

# **COLLABORATIVE NETWORK CONSTRUCTION**

By

Jeremy Louis

Submitted to the Faculty of  
the Information Engineering Technology Program  
in Partial Fulfillment of the Requirements for  
the Degree of Bachelor of Science  
in Information Engineering Technology

University of Cincinnati  
College of Applied Science

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Date

## **Acknowledgements/Dedication**

I would like to take this time to thank everyone that has helped me to complete this project. I received help from Prof. Shannon McClintock, Dr. Ashraf Saad, Prof. Robert Schlemmer, Dr. Sam Geonetta, and the students in the IET program. Thank you Prof. McClintock for helping me with the networking portion of this project. Thank you Dr. Saad for helping me with the web portion of this project. Thank you Prof. Schlemmer for helping me with the database portion of this project. Thank you Dr. Geonetta for helping me with the documentation involved with this project. I would also like to thank the students in the IET program that have helped me out with this project. Thanks to everyone's help this project was a success.

# Table of Contents

<b>Section</b>	<b>Page</b>
Acknowledgements	i
Table of Contents	ii
List of Figures	iv
Abstract	v
1. Statement of Problem	1
1.1 Networking	3
1.2 Web Server	4
1.3 Database Server	4
2. The Product Description and Intended Use	5
3. The User Profile	5
4. Design Protocols	6
4.1 Multi-OS Networking	6
4.1.1 Organization Flowchart	6
4.1.2 Interface Design/Navigation	6
4.1.3 Icons/Graphical Symbols	7
4.1.4 Color Scheme	7
4.1.5 Help	7
4.2 Web Development	8
4.2.1 Organization Flowchart	8
4.2.2 Interface Design/Navigation	8
4.2.3 Icons/Graphical Symbols	9
4.2.4 Color Scheme	9
4.2.5 Help	9
4.3 Database Deployment	10
4.3.1 Organization Flowchart	10
4.3.2 Interface Design/Navigation	11
4.3.3 Icons/Graphical Symbols	11
4.3.4 Color Scheme	11
4.3.5 Help	11
5. Timeline	12
6. Budget	13
7. Precise Statement of Deliverables	14

<b>Section</b>	<b>Page</b>
8. Proof of Design	15
9. Conclusions and Recommendations	26
Appendix A. Networking	27
A.1 Windows NT Server Installation	27
A.2 Windows NT Server Configuration	33
A.3 Windows 2000 Server Installation	40
A.4 Windows 2000 Server Configuration	45
A.5 Linux Server Installation	47
A.6 Linux Server Configuration	50
A.7 Windows NT Workstation Installation	51
A.8 Windows NT Workstation Configuration	55
A.9 Windows 2000 Professional Installation	56
A.10 Windows 2000 Professional Configuration	58
A.11 Windows 98 Installation	59
A.12 Windows 98 Configuration	62
A.13 Linux Workstation Installation	63
A.14 Linux Workstation Configuration	66
Appendix B. Database	74
Appendix C. Web	75
C.1 index.html	75
C.2 login.asp	77
C.3 help.html	79
C.4 newuser.html	82
C.5 newuser.asp	86
C.6 updateuser.asp	88
C.7 updateuserresponse.asp	93
C.8 checkout.asp	96
C.9 checkoutresponse.asp	99
C.10 checkin.asp	102
C.11 checkinresponse.asp	105
C.12 logout.asp	108
References	109

## List of Figures

Figure 1. This shows the network infrastructure that was used.	6
Figure 2. This shows the web infrastructure that was used.	8
Figure 3. This shows the database infrastructure that was used.	10
Figure 4. This shows the first page of the web site.	15
Figure 5. This shows the form the user must fill out, to create a new account on the system.	16
Figure 6. This is the account confirmation screen.	17
Figure 7. This is the update user page.	18
Figure 8. This is confirmation that the user is updated.	19
Figure 9. This is the check out video page.	20
Figure 10. This is the check out page, with a selection.	21
Figure 11. This is the check out confirmation page.	22
Figure 12. This is the video check in page.	23
Figure 13. This is the check in page, with a selection.	24
Figure 14. This is the check in confirmation page.	25
Figure 15. This is the help page.	26

## **Abstract**

I have analyzed the current needs of IT companies. IT companies are looking for people that are educated in networking, database, and web development. These three parts of IT go hand in hand, meaning that you usually don't have one without the other. In order to develop a web site you need a network to deploy it on. In order to track customer information through a web site you need to have a database to store the information. I have analyzed the skills and technologies required to achieve this. By constructing a network, building a database, and developing a web site I will be able to make my skills marketable in the IT field.

# COLLABORATIVE NETWORK CONSTRUCTION

## 1. Statement of Problem

With the fast growth in technology more companies are creating and expanding their computer technology. By doing this, it helps them to be more productive and also helps to increase sales. In order to get their computer technology upgraded they have to find people that are educated and experienced in information technology (IT). Companies today need someone to implement various computer technologies, depending on the company's needs.

The first part of the problem is that many companies today have multiple file systems. This happens when a company is using PC and Unix computers. For example if someone has work on a PC and they need to access it on a Unix machine then they have to figure out a way to get the information from one machine to the other. In order to do this they currently would have to use a disk, tape, or transfer program to make this happen. The much simpler solution is to merge the file systems together so that the same data can be shared on both PC and Unix computers. SDRC, a company that I have been co-oping for, about five months ago merged their NT and Unix file systems. This greatly simplified work to the employees because files were constantly being transferred. This move helped them to increase productivity because now time doesn't need to be wasted on transferring files.

The second part of the problem is that many companies don't have the ability to sell themselves on the Web to increase sales. Toyota, a major car dealer, has recently made an e-business initiative. They have expanded their sales by opening up a market on the Web. Also many grocery stores are following the trend by using the Web to increase sales. The problem is that this takes someone with strong knowledge in IT to implement. This can be resolved by taking a computer and installing the necessary Web and e-mail server applications on it. Once this is done then the company can be on the Web to post information. (3, pg. 56) (1, pg. 142-146)

The third part of the problem is that many companies today don't have the ability to share information and resources. Ticket Master has recently made use of a database by moving the ticket sales online. They are using a database to store the ticket information. They have also made sales accessible by the Web. Information can be shared by creating a database server that all of the employees can connect to. Once they are connected to the database they can share information. Resources are also very important to share. For example companies don't want to buy a printer for every computer. That would be a waste of money for the company. A printer can be setup to be shared by multiple computers. (2, pg. 87-88)

## **1.1 Networking**

In order for computers to be able to share information three pieces must be setup: hardware, operating systems, and applications. The first piece that must be setup is all the computers need to be physically connected to each other. In order to do this the computers must all have network cards installed. Once the network cards are installed the computer must be connected together using wires. The type of wires to be used would depend on the type of network that is desired. All of the computers need to be wired into a hub. Now that the computers are physically connected to each other they need operating system. Once again this would depend on what the computers need to be used for. Most companies today use either Windows NT Workstation/Server or Unix. After the operating system is installed, applications need to be installed so that they interact with the network.

## **1.2 Web Servers**

In order to setup a Web server a computer is needed that is connected to the network, and also has a constant Internet connection. One application is required to setup a Web server. In order for the Web server to work, an application must be installed and configured. An example of an application that can be used for this purpose is Microsoft Internet Information Server. Once the software is installed and configured, Web pages can be created that can be seen from anyone on the Internet.

## **1.3 Database Server**

Databases are widely used by companies to store and access shared information. They have a variety of styles and types that can be used. Databases are also being used for a variety of different tasks. In order to be able to use a database, a database server needs to be setup. In order to setup a database server an application must be installed and configured. An example of a database server that can be used is Microsoft SQL Server. Once the software is installed and configured a database can be created. Once this is done, multiple users can access the database simultaneously. For users to be able to access the database, the database server must be attached to the network or connected to the internet.

## **2. The Product Description and Intended Use**

This project involves Multi-OS Networking, Web Development, and Database Deployment to form a collaborative network construction. These three parts form a collaborative network construction. The Multi-OS Networking brings together different operating systems and puts them on the same domain and setup shares so data can be transferred between systems. The operating systems that are being used are Windows NT Server, Windows NT Workstation, Windows 2000 Server, Windows 2000 Professional, Windows 98, Linux Server, Linux Workstation. Web Development provides a front-end for a database. This front-end will be accessible from any computer on the network. The front-end will allow users to insert, update, and delete customer information from a database. I am using HTML and ASP to code the Web pages for the sample site. Database Deployment provides the back-end for the Web pages. This database will store the information passed to it, from the user. I am using SQL Server 7 for the database. This project creates a solution for networking technologies.

## **3. The User Profile**

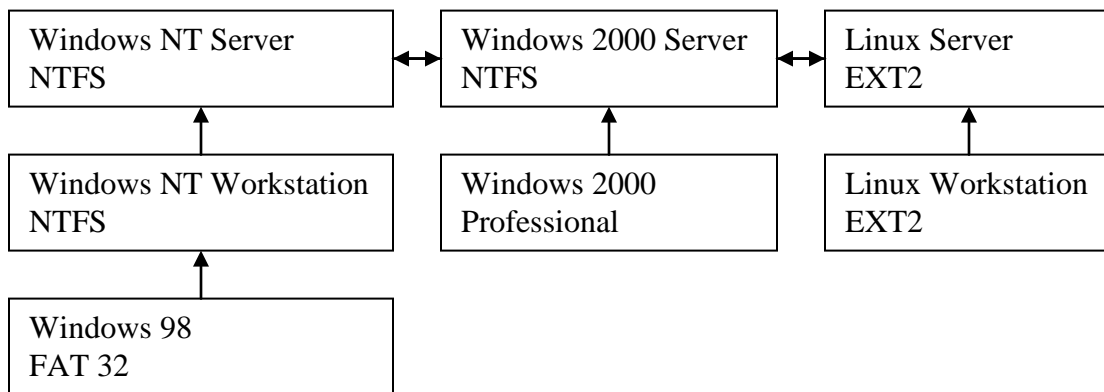
Users will vary in knowledge depending on the job they perform. Users will be trained according to what they need to use. For example, if someone needed to use one of the Linux boxes to run a 3D CAD program, then the user would need to be trained on the Linux OS and the 3D CAD program. Typically the Linux computers are used to run intensive applications. The Windows computers will be used to handle the Web and database portions.

## 4. Design Protocols

### 4.1 Multi-OS Networking

#### 4.1.1 Organization Flowchart

This diagram illustrates the use of the different operating systems. This represents the hierarchy of the computer connections and how they communicate. The boxes below represent the different computers in the network project. The operating system and file allocation type used for each computer are listed in each box. The workstations are connected to the servers. The servers are connected to each other using a two-way trust. The connections are illustrated with arrows.



**Figure 1. This shows the network infrastructure that was used.**

#### 4.1.2 Interface Design/Navigation

The interface for this part of the project will consist of the operating systems themselves. Each user will be able to logon to each computer. That way the users will be able to go from computer to computer if needed.

### **4.1.3 Icons/Graphical Symbols**

The key interface will depend on which computer users log on to and the task they need to perform. If they are using a windows interface, then they will mainly be using the mouse for interaction. If they are doing command level work, then they will mainly be using the keyboard for interaction. All seven operating systems have a Windows and command level interface that can be used.

### **4.1.4 Color Scheme**

For the user accounts that I created, I set up roaming profiles. This enables users to customize the color scheme for the operating system they are using. They can set things like the background, font, and start menu. Each user can create a custom profile that will fit their personality.

### **4.1.5 Help**

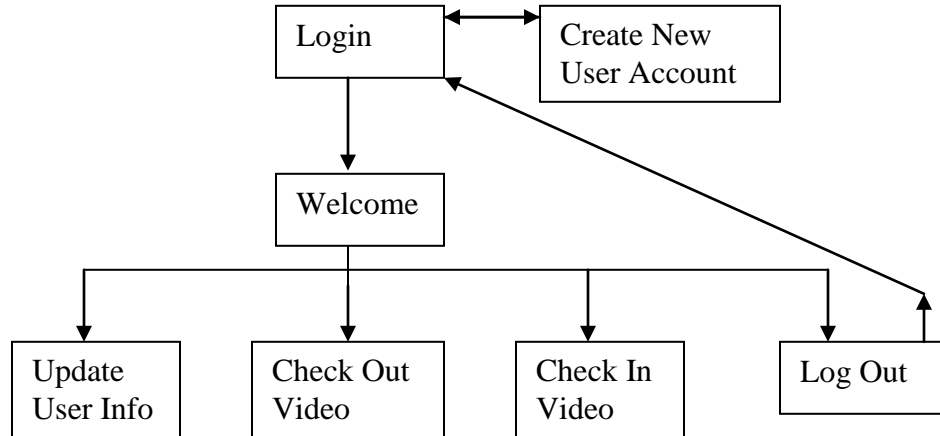
The operating systems provide help that can accessed from the computers. The Windows computers have help available on the Start Menu. The Linux computers have help available from the Windows interface and at the command line level. In Linux if help is needed with a command then the user can typically read the manual about it by typing “man command”, where command is the command that you need help with.

Help for someone that’s trying to setup the same type of environment that I have set up will be provided. I have been working on documentation as I proceed with this project. So far I have documented the steps involved in installing each of the seven operating systems. I have also documented some of the important software installs, such as IIS and SQL Server.

## 4.2 Web Development

### 4.2.1 Organization Flowchart

This diagram illustrates the basic design of the Web pages involved in the web portion of this project. This represents the hierarchy of the way the web pages are laid out and the way they are connected together. The boxes below represent the different Web pages involved in the project. Listed in the boxes below are the basic functions used for each page. The pages are all connected. The connections are illustrated with arrows.



**Figure 2. This shows the web infrastructure that was used.**

### 4.2.2 Interface Design/Navigation

I have provided an area map at the top of all of the pages in the site. The top area map will provide the basic navigation that is needed to operate the site. The user will begin by logging in or creating a new user account. After they are logged in they can then proceed to update user info, check out a video, check in a video, or log out of the system.

### **4.2.3 Icons/Graphical Symbols**

The key part in the user interaction for this site is the area map. From the area map the user can navigate around the site. The area map exists on every page to keep navigation uniform throughout the site.

### **4.2.4 Color Scheme**

I currently have the pages set up with a light colored background and black text. This could be modified to match the needs of the user at a later time.

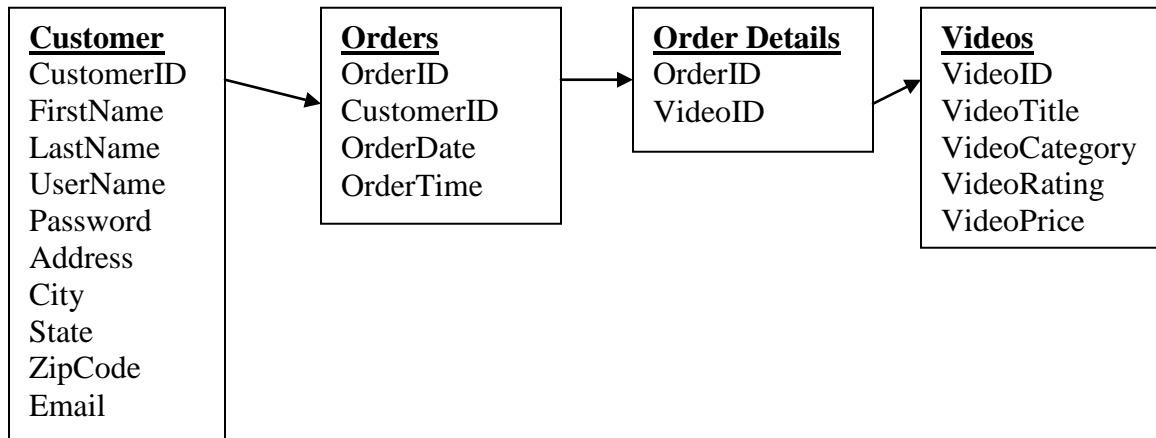
### **4.2.5 Help**

I will provide a help page that the users can go to for help. The help page will be accessible from the area map. The help page will explain how to navigate around the site. I will also briefly explain how the customer information is stored and retrieved.

## 4.3 Database Deployment

### 4.3.1 Organization Flowchart

This diagram illustrates the basic structure of the database that will be implemented. This represents the hierarchy of the way the database is structured and connected together. The boxes below represent the tables in the database. Listed in the boxes below are the fields that are contained within the database. The connections between tables are illustrated with arrows.



**Figure 3. This shows the database infrastructure that was used.**

### **4.3.2 Interface Design/Navigation**

The interface design and navigation will be through the Web front-end part of this project. The user will not have any direct access to this database. This is for security and confidentiality reasons.

### **4.3.3 Icons/Graphical Symbols**

This section is also handled in the Web portion of this project.

### **4.3.4 Color Scheme**

This section is also handled in the Web portion of this project.

### **4.3.5 Help**

This section is also handled in the Web portion of this project.

## 5.1 Timeline

	June	July	August	September	October	November	December	January	February	March
<b>Research</b>										
<b>Documentation</b>										
<b>Design</b>										
<b>Implementation</b>										
<b>Initial Setup</b>										
<b>Detailed Configuration</b>										
<b>Testing</b>										
<b>Emergency Testing</b>										
<b>Emergency Fixing</b>										
<b>Milestones</b>	Finish overall design and implementation ideas			Finish OS installations and basic configurations			Finish application configuration and installation			Project complete and flawless

## **6. Budget**

### **Hardware**

Windows 2000 Server	\$4,000.00
Windows NT Server	\$3,000.00
Linux Server	\$3,000.00
Windows 2000 Professional	\$1,500.00
Windows NT Workstation	\$1,000.00
Windows 98	\$1,000.00
Linux Workstation	\$1,000.00

### **Software**

Windows NT Server	\$300.00
Windows NT Workstation	\$100.00
Windows 2000 Server	\$1,000.00
Windows 2000 Professional	\$300.00
Linux	\$0.00
IIS	\$0.00
SQL Server	\$900.00

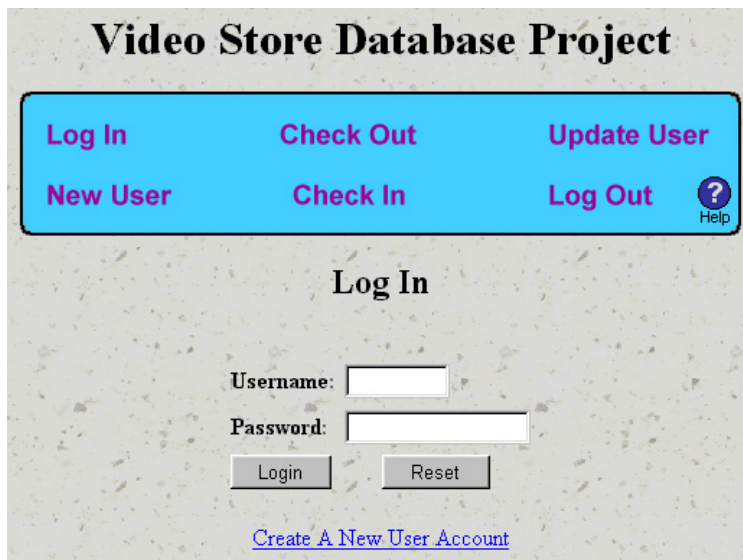
**Total** **\$17,100.00**

## **7. Precise Statement of Deliverables**

I plan on delivering all seven operating systems networked together, including Windows NT Server, Windows NT Workstation, Windows 2000 Server, Windows 2000 Professional, Windows 98, Linux Server, and Linux Workstation. All seven computers will be networked on the same domain. I will set up a share that can be viewed from any computer. I have also created roaming profiles for the users. I will have IIS and SQL Server installed on one of the servers. I will provide sample web pages that will provide a front-end for my project. I will also implement the database that will provide the back-end for my project. Database transactions can be handled through the Web pages that will be published.

## 8. Proof of Design

The Web site front end is tied to the database backend. Both the Web site and the database are running on the network. The purpose of the Web site is to keep track of, which users, have which videos, checked out. The Web site begins with a login page. From the login page a user can do one of three options. A user can login with a user/password, create a new account, or view the help page. If a user bookmarks a page within the site that isn't one of these pages, the user will be redirected to the login page. This way the system can keep track of the user. The login information about a user is stored in a session cookie. The cookie is destroyed when the user logs out or closes the browser window. Below is a picture of the first page that a user will see when they enter the site.



The screenshot shows the first page of the 'Video Store Database Project'. At the top, the title 'Video Store Database Project' is displayed in a large, bold, black font. Below the title is a blue rectangular navigation bar containing six menu items: 'Log In', 'Check Out', 'Update User', 'New User', 'Check In', and 'Log Out'. A 'Help' icon (a question mark in a circle) is located in the bottom right corner of this bar. Below the navigation bar, the text 'Log In' is centered. Underneath, there are two input fields: 'Username:' followed by a text box, and 'Password:' followed by a text box. Below these fields are two buttons: 'Login' and 'Reset'. At the bottom of the page, there is a blue hyperlink that reads 'Create A New User Account'.

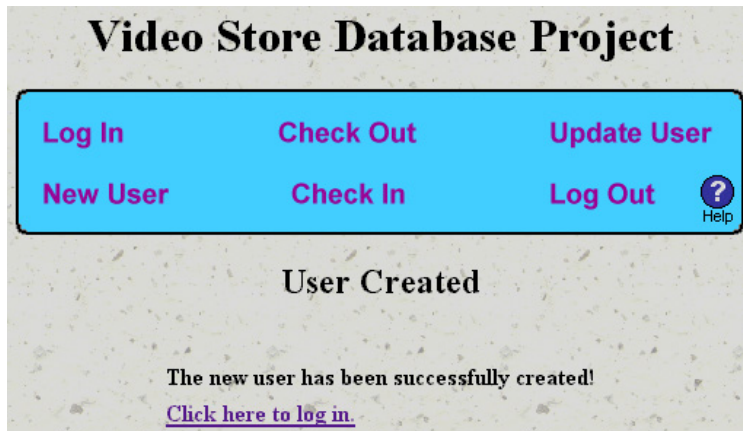
**Figure 4.** This shows the first page of the web site.

If a user selects “Create A New User Account” from the login page, then the user will be taken to the create account page. This page will provide the user to select a username/password, and provide their personal information. All fields are required in order for a user to create a new account on the system. JavaScript was used to handle client-side error checking. Once the user fills in the form and clicks the “Create Account” form, the information is passed on. The picture below is the create account form.

The screenshot shows a web page titled "Video Store Database Project". At the top, there is a navigation bar with buttons for "Log In", "Check Out", "Update User", "New User", "Check In", "Log Out", and a "Help" icon. Below the navigation bar is the heading "Create New User Account". The form contains the following fields: Username, Password, Confirm Password, First Name, Last Name, Street Address, City, State (a dropdown menu), Zip Code, and Email Address. At the bottom of the form are two buttons: "Create Account" and "Reset".

**Figure 5. This shows the form the user must fill out, to create a new account on the system.**

Once the user fills out the create account form, the data from the form is passed on to an asp page. The asp page verifies and records the new account information into the database. Once the information is stored in the database the user will now be able to logon to the system. The picture below is the confirmation that the user receives, about the account being created.



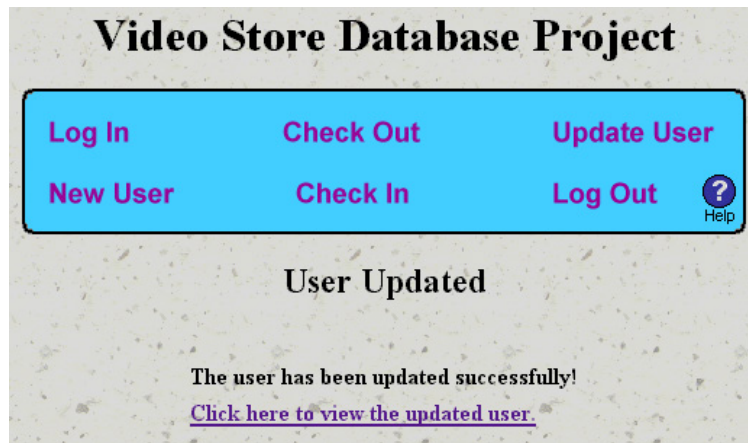
**Figure 6. This is the account confirmation screen.**

Once a user has created an account, the user can then log into the system. To log in the user needs to go to the login page and enter their username and password. Once the user has logged in, they are taken to the update account page. This page displays all of the users information in text fields. The user can update and of their information. If the user decides to update date any of their information, all they have to do is make the change and click the “submit” button. The picture below shows the update user form.

The screenshot shows a web application interface for the 'Video Store Database Project'. At the top, there is a navigation bar with buttons for 'Log In', 'Check Out', 'Update User', 'New User', 'Check In', 'Log Out', and a 'Help' icon. Below the navigation bar, the main heading is 'Update User'. The form contains several input fields with the following data: First Name: Jeremy, Last Name: Louis, Username: jlouis, Password: \*\*\*\*\*, Confirm Password: \*\*\*\*\*, Street Address: 521 Park Way Rd., City: Cincinnati, State: OH, Zip Code: 45103, and Email Address: louisja@email.uc.edu. A 'Submit' button is located at the bottom of the form.

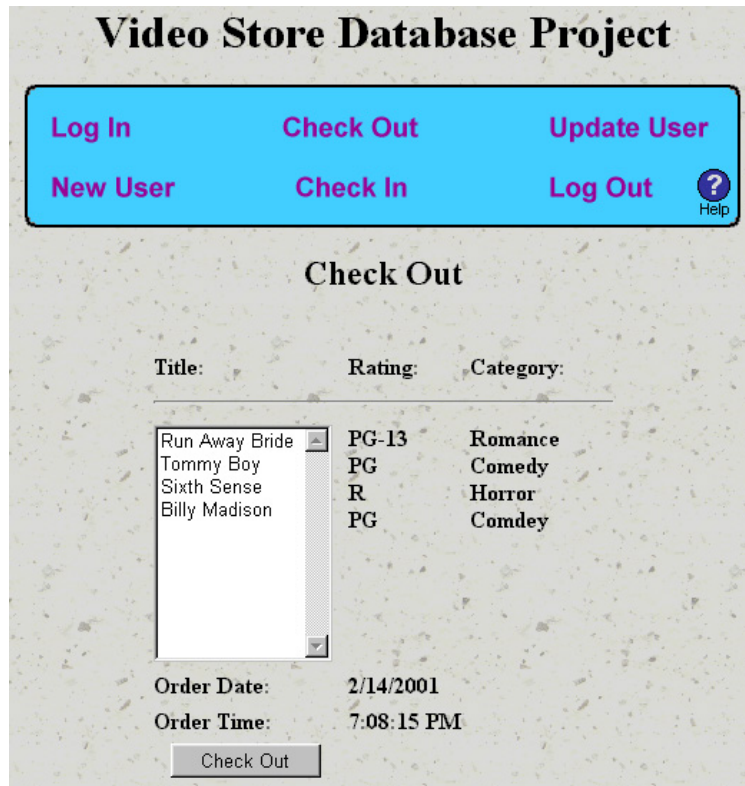
**Figure 7. This is the update user page.**

If a user updates their information page they will be taken to an asp page that updates the fields in the database with the changes that were made. Once the database has been updated the user will receive a confirmation. The picture below shows the confirmation that the user will receive.



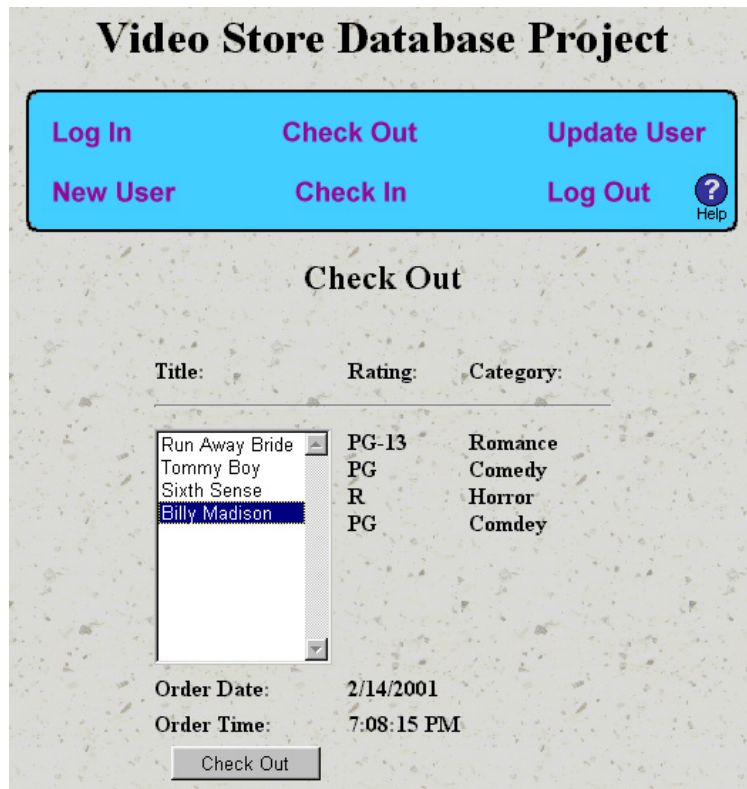
**Figure 8. This is a confirmation that the user is updated.**

If a user wants to check out a video, they begin by going to the check out page. To get to the check out page, the user can click on the area in the blue box, which is labeled “Check Out.” Once the user is at the check out page, they can check out a video by clicking on the video title and then clicking the “Check Out” button. The picture below shows the check out page.



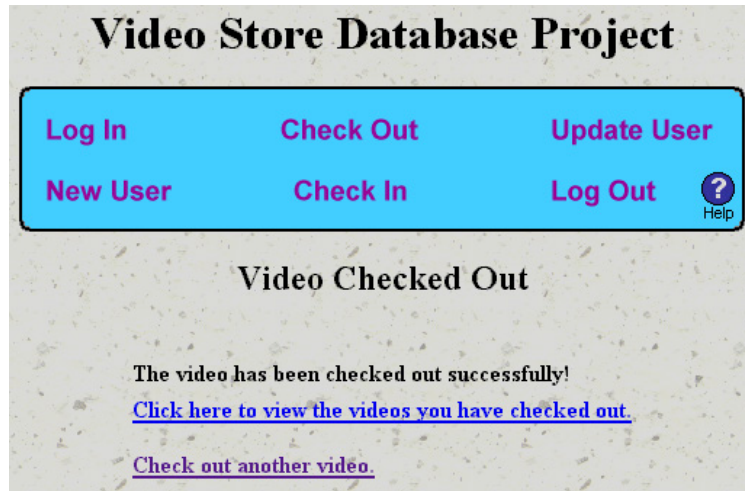
**Figure 9. This is the check out video page.**

Once the user selects a video by title, the video title will form a blue box around the selection. This indicates that the video has been selected. Once the video selection is submitted, the data sent on. The picture below shows what it will look like when a user selects a video.



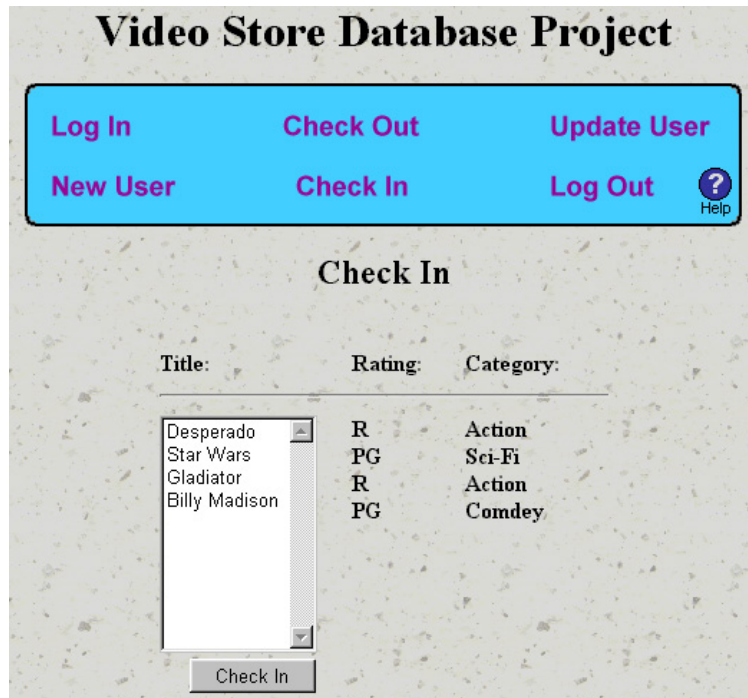
**Figure 10. This is the check out page, with a selection.**

Once a video is selected for check out, the information is sent to an asp page. The asp page updates the database and sends a confirmation back to the user. The picture below shows the confirmation page that the user will receive.



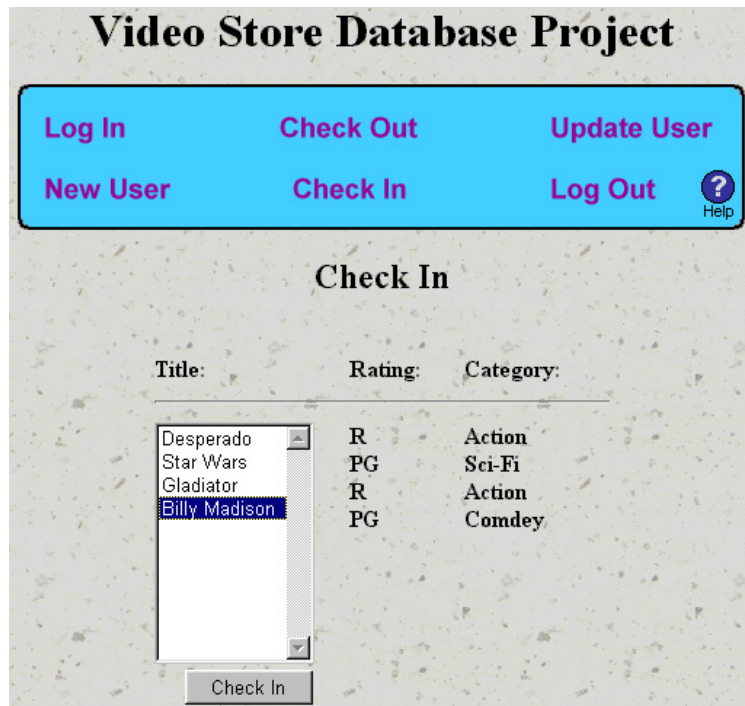
**Figure 11. This is the check out confirmation page.**

If a user wants to check in a video, they begin by going to the check in page. To get to the check in page, the user can click on the area in the blue box, which is labeled “Check In.” Once the user is at the check in page, they can check in a video by clicking on the video title and then clicking the “Check In” button. The picture below shows the check in page.



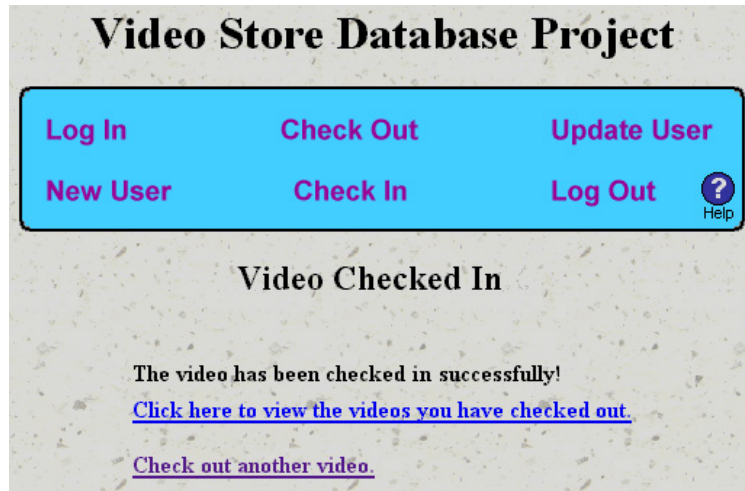
**Figure 12.** This is the video check in page.

Once the user selects a video by title, the video title will form a blue box around the selection. This indicates that the video has been selected. Once the video selection is submitted, the data sent on. The picture below shows what it will look like when a user selects a video.



**Figure 13. This is the check in page, with a selection.**

Once a video is selected for check in, the information is sent to an asp page. The asp page updates the database and sends a confirmation back to the user. The picture below shows the confirmation page that the user will receive.



**Figure 14. This is the check in confirmation page.**

If a user goes to the help page, they will receive information about the site. The information provides a general overview. It also explains how to use the site to update user information and navigation. The picture to the right shows the help page.

**Video Store Database Project**

Log In      Check Out      Update User  
New User      Check In      Log Out      ? Help

## Help

### How To Use This Site

#### Account information

If you **have an account** then enter your username and password in the fields provided then click "Log In."

If you **don't have an account** then click on "Create a New User Account." From the next screen fill out the fields with your information and click "Create Account." Once your account is created go to the Log In page.

#### Once logged in

Once you are logged in you are taken to the Customer Information page. From here you can make changes to the customer information or proceed on.

#### To check out a video

Go to the Check Out section and click on the video that you want to check out. Then click on the "Check Out" button.

#### To check in a video

Go to the Check In section and click on the video that you want to check in. Then click on the "Check In" button.

---

### Description

This on-line application is used for keeping track of customers and videos. This is used to keep track of which customers, have what videos, checked-out. When a customer wants to check-out, or check-in a video, this on-line application can be used.

---

### Navigation

Navigation of this site has been kept easy for simplicity. You start at the main log-on screen [http://129.137.101.71/louis\\_video](http://129.137.101.71/louis_video). Once you are logged in simply click on the different sections of the blue image at the top of the screen.

---

### Technical

This video store database project is used to store customer and video information. These web pages are tied into a database. By using the web pages customer and video information can be stored in the database for later retrieval. The database consists of four tables. One table stores the customer information such as:

- First Name
- Last Name
- Street Address
- City
- State
- Zip Code
- Email Address

The second table stores the information about the videos themselves. The video table stores information such as:

- Video Title
- Rating
- Genre
- Price

The other two tables are used to store information that ties the two tables together. When a video is checked-out by a customer then the tables store the time/date the video was checked-out.

For more information about this site send an email to [louisia@email.uc.edu](mailto:louisia@email.uc.edu).

**Figure 15. This is the help page.**

## **9. Conclusions and Recommendations**

For future references I would have done the project differently if possible. As far as the networking aspect I ran into several problems with the jazz disks. The problems could have been avoided if I had used hard drives instead. Unfortunately all I had to work with were jazz disks. I did enjoy the challenge because I am aware that when I graduate and find a real job, that I will usually have to work around problems due to resource restrictions.

Overall I feel that this project was a great success. I ran into complications along the way but I was able to work around them. I was able to create a network consisting of variety of OS'. I was also able to get a web server and database server up and running. I also was able to create a database and web pages that communicated with it. This was a large project with a steep learning curve, but it turned out great. I was striving for the experience that this project would entail. I feel that because I was able to complete this project I will be able to make myself more valuable in the IT field. I have already explained this project to potential companies and they sounded impressed. I am glad that I choose this project.

## Appendix A. Networking

### A.1 Windows NT Server Installation

Windows NT Server

-----  
Create Partition Size  
1024 MB

-----  
File System  
NTFS

-----  
Choose Directory  
C:\WINNT

-----  
Copying Files...

-----  
Name and Organization  
Name: JAL  
Organization: JAL Organization

-----  
Enter CD Key

-----  
Licensing Modes  
Per Server for 20 concurrent connections

-----  
Computer Name  
Name: JAL\_WINNTS

-----  
Server Type  
Primary Domain Controller

-----  
Emergency Repair Disk  
No

## Select Components

### Accessibility Options

Includes options to change keyboard, sound, display, and mouse behavior for people with mobility, hearing, and visual impairments.

### Accessories

#### Calculator

Enables you to perform calculations.

#### Character Map

Enables you to insert symbols and characters into documents.

#### Clipboard Viewer

Enables you to store or view information in a clipboard.

#### Clock

Enables you to put an analog or digital clock on your desktop.

#### Desktop Wallpaper

Includes background images and pictures for your Windows NT desktop.

#### Document Templates

Allows you to easily create new documents for your most common programs.

#### Imaging

Image Viewer and OLE custom controls.

#### Mouse Pointers

A variety of easy-to-see pointer sizes for your mouse.

#### Object Packager

Enables you to insert an embedded or linked object into a document.

#### Paint

Enables you to create, modify, or view pictures.

#### Quick View

Enables you to preview a document without opening it.

#### Screen Savers

Display moving images when your computer is idle to prevent damage to your screen.

#### WordPad

Editor for creating short memos and documents.

### Communications

#### Chat

Allows you to converse with other Windows NT users over a network.

#### HyperTerminal

Enables you to connect to other computers and online services (requires a modem).

#### Phone Dialer

Enables you to use your computer to dial a phone through a modem.

### Games

- Freecell
- Minesweeper
- Pinball
- Solitaire

Multimedia

- CD Player
  - Utility to play music CDs with your computer.
- Jungle Sound Scheme
- Media Player
  - Utility to play audio and video clips.
- Musica Sound Scheme
- Robotz Sound Scheme
- Sample Sounds
- Sound Recorder
  - Utility to record and play sounds with a sound card.
- Utopia Sound Scheme
- Volume Control
  - Utility to adjust the volume from a sound card.

Windows Messaging

- Internal Mail
  - Allows you to access Internet Mail.
- Microsoft Mail
  - Allows you to access Microsoft Mail Post Offices.
- Windows Messaging
  - Integrated Mail, MAPI, and other messaging applications.

-----  
Wired to the Network

-----  
Install IIS

-----  
Install Network Drivers

- 3COM 905B TX

Network Protocols

- TCP/IP Protocol
- NWLink IPX/SPX Transport

Network Services

- Microsoft Internet Information Server 2.0
- RPC Configuration
- NetBIOS Interface

Workstation  
Server

-----  
Testing the NIC

3COM NIC Diagnostics

-----  
Do you wish to use DHCP?  
No

-----  
Computer Name: JAL\_WINNTS  
Domain: JAL  
Administrator Name: administrator  
Administrator Password: Usual

-----  
Microsoft Internet Information Server  
Internet Service Manager  
World Wide Web Service  
WWW Service Samples  
Internet Service Manager (HTML)  
Gopher Service  
FTP Service  
ODBC Drivers & Administration

Install Directory: C:\WINNT\System32\inetsrv

Publishing Directories  
World Wide Web Publishing Directory: C:\InetPub\wwwroot\  
FTP Publishing Directory: C:\InetPub\ftproot  
Gopher Publishing Directory: C:\InetPub\gophroot

-----  
Message:

Microsoft Internet Information Server 2.0 Setup

You do not have an internet domain name declared for this machine. To insure proper gopher functionality, an Internet domain name should be configured through the Network Control Panel Applet.

-----  
Install Drivers

Select ODBC driver to install: SQL Server

-----  
Date/Time Properties

Set Date & Time and Time Zone

-----  
Log In  
-----

## A.2 Windows NT Server Configuration

### Windows NT Server Configuration

-----  
I created the user directories.

I went into Windows Explorer and created the directory C:\users

I then went to the properties on the folder users and shared the folder.

-----  
Sharing

Shared As:

Not Shared

Share As:

Share Name: users

Comment:

User Limit:

Maximum Allowed

Allow \_ Users

Permissions

Everyone - Full Control

-----  
Security

Permissions

Replace Permissions on Subdirectories

Replace Permissions on Existing Files

Name:

Administrator - Full Control

CREATOR OWNER - Full Control

Everyone - Read

Server Operators - Change

SYSTEM - Full Control

Auditing

Ownership

Directory Name: C:\users

Owner: Administrator

-----  
I created 5 directories inside of C:\users

-----  
win2ks

Properties

Sharing

(O) Not Shared

() Shared As:

Security

Permissions

[V] Replace Permissions on Subdirectories

[V] Replace Permissions on Existing Files

Name:

Administrators - Full Control

CREATOR OWNER - Full Control

Everyone - Read

Server Operators - Change

SYSTEM - Full Control

win2ks - Full Control

Auditing

Ownership

Directory Name: C:\users\win2ks

Owner: win2ks

-----  
win2kw

Properties

Sharing

(O) Not Shared

() Shared As:

Security

Permissions

[V] Replace Permissions on Subdirectories

[V] Replace Permissions on Existing Files

Name:

Administrators - Full Control

CREATOR OWNER - Full Control

Everyone - Read

Server Operators - Change

SYSTEM - Full Control

win2kw - Full Control

Auditing

Ownership

Directory Name: C:\users\win2kw

Owner: win2kw

-----  
win98

Properties

Sharing

(O) Not Shared

() Shared As:

Security

Permissions

[V] Replace Permissions on Subdirectories

[V] Replace Permissions on Existing Files

Name:

Administrators - Full Control

CREATOR OWNER - Full Control

Everyone - Read

Server Operators - Change

SYSTEM - Full Control

win98 - Full Control

Auditing

Ownership

Directory Name: C:\users\win98

Owner: win98

-----  
winnts

Properties

Sharing

(O) Not Shared

() Shared As:

Security

Permissions

[V] Replace Permissions on Subdirectories

[V] Replace Permissions on Existing Files

Name:

Administrators - Full Control

CREATOR OWNER - Full Control

Everyone - Read

Server Operators - Change

SYSTEM - Full Control

winnts - Full Control

Auditing

Ownership

Directory Name: C:\users\winnts

Owner: winnts

-----  
winntw

Properties

Sharing

(O) Not Shared

() Shared As:

Security

Permissions

[V] Replace Permissions on Subdirectories

[V] Replace Permissions on Existing Files

Name:

Administrators - Full Control

CREATOR OWNER - Full Control

Everyone - Read

Server Operators - Change

SYSTEM - Full Control

winntw - Full Control

Auditing

Ownership

Directory Name: C:\users\winntw

Owner: winntw

-----

-----  
I created 5, domain user accounts.

Start | Programs | Administrative Tools | User Manager for Domains

User | New User

-----  
User Properties

Username: win2ks

Full Name: Windows 2000 Server

Description: Windows 2000 Server

Password: win2ks

Confirm Password: win2ks

[] User Must Change Password at Next Logon

[] User Cannot Change Password

[V] Password Never Expires

[] Account Disabled

Group Memberships (Groups)

Member of: Domain User

User Environment Profile (Profile)

User Profiles

User Profile Path: \\jal\_winnts\users\win2ks\profile.pds

Logon Script Name:

Home Directory

Local Path:

Connect U: To \\jal\_winnts\users\win2ks

-----  
User Properties

Username: win2kw

Full Name: Windows 2000 Workstation

Description: Windows 2000 Workstation

Password: win2kw

Confirm Password: win2kw

User Must Change Password at Next Logon

User Cannot Change Password

Password Never Expires

Account Disabled

Group Memberships (Groups)

Member of: Domain User

User Environment Profile (Profile)

User Profiles

User Profile Path: \\jal\_winnts\users\win2kw\profile.pds

Logon Script Name:

Home Directory

Local Path:

Connect U: To \\jal\_winnts\users\win2kw

-----  
User Properties

Username: win98

Full Name: Windows 98

Description: Windows 98

Password: win98

Confirm Password: win98

User Must Change Password at Next Logon

User Cannot Change Password

Password Never Expires

Account Disabled

Group Memberships (Groups)

Member of: Domain User

User Environment Profile (Profile)

User Profiles

User Profile Path: \\jal\_winnts\users\win98\profile.pds

Logon Script Name:

Home Directory

Local Path:

Connect U: To \\jal\_winnts\users\win98

-----  
User Properties

Username: winnts

Full Name: Windows NT Server

Description: Windows NT Server

Password: winnts

Confirm Password: winnts

User Must Change Password at Next Logon

User Cannot Change Password

Password Never Expires

Account Disabled

Group Memberships (Groups)

Member of: Domain User

User Environment Profile (Profile)

User Profiles

User Profile Path: \\jal\_winnts\users\winnts\profile.pds

Logon Script Name:

Home Directory

Local Path:

Connect U: To \\jal\_winnts\users\winnts

-----  
User Properties

Username: winntw

Full Name: Windows NT Workstation

Description: Windows NT Workstation

Password: winntw

Confirm Password: winntw

User Must Change Password at Next Logon

User Cannot Change Password

Password Never Expires

Account Disabled

Group Memberships (Groups)

Member of: Domain User

User Environment Profile (Profile)

User Profiles

User Profile Path: \\jal\_winnts\users\winntw\profile.pds

Logon Script Name:

Home Directory

( ) Local Path:

(O) Connect U: To \\jal\_winnts\users\winntw

-----

-----  
Installed and Configured Microsoft SQL Server 7.0

Install SQL Server 7.0 Components

Database Server - Standard Edition

Select Install Method

Local Install - Install to local machine

User Information

Name: JAL

Company: JAL Organization

Setup Type

Typical

Destination Folders

Program Files: C:\MSSQL7

Data Files: C:\MSSQL7

Services Accounts

Use the same account for each service

Service Settings

Use a domain user account

Username: administrator

Password: Usual

Domain: JAL

Choose Licensing Mode

Per Server for 5 concurrent connections

-----

### A.3 Windows 2000 Server Installation

Windows 2000 Server

-----  
Create Partition Size  
1500 MB

-----  
File System  
NTFS

-----  
Directory Set Automatically  
C:\WINNT

-----  
Copying Files...

-----  
Installing Devices...

-----  
Regional Settings  
System Locale: English (United States)  
Keyboard Layout: US Keyboard Layout

-----  
Personalize Your Software  
Name: JAL  
Organization: JAL Organization

-----  
Licensing Modes  
Per Server. Number of concurrent connections: 20

-----  
Computer Name and Administrator Password  
Computer Name: JAL\_WIN2KS  
Administator Password: Usual  
Confirm Password: Usual

-----  
Windows 2000 Components

Accessories and Utilities

- Accessibility Wizard
- Accessories
  - Calculator
  - Character Map
  - Clipboard Viewer
  - Desktop Wallpaper
  - Document Templates
  - Mouse Pointers
  - Object Packager
  - Paint
  - WordPad

- Communications
  - Chat
  - HyperTerminal
  - Phone Dialer

- Games
  - Freecell
  - Minesweeper
  - Pinball
  - Solitaire

- Multimedia
  - CD Player
  - Media Player
  - Sample Sounds
  - Sound Recorder
  - Utopia Sound Scheme
  - Volume Control

#### Certificate Services

- Certificate Services CA
  - Allows you to create a Certification Authority on your server for issuing digital certificates.

- Certificate Services Web Enrollment Support
  - Allows you to publish web pages on your server to submit requests and retrieve certificates from a Certification Authority.

#### Indexing Services

- Enables fast full-text searching of files.

#### Internet Information Services (IIS)

- Common Files
- Documentation
- File Transfer Protocol (FTP) Server
- FrontPage 2000 Server Extensions
- Internet Information Services Snap-In
- Internet Services Manager (HTML)

- NNTP Service
  - NNTP Service
- SMTP Service
  - SMTP Service
- Visual InterDev RAD Remote Deployment Support
- World Wide Web Server

#### Management and Monitoring Tools

- Connection Manager Components
  - Installs Connection Manager Administration Kit and the Phone Book Service.
- Network Monitor Tools
  - Analyzes and troubleshoots packets of data transferred over the network.
- Simple Network Management Protocol
  - Includes agents that monitor the activity in network devices and report to the network console workstation.

#### Message Queuing Services

- Message Queuing provides loosely-coupled and reliable network communication services.

#### Networking Services

- COM Internet Services Proxy
  - Enables DCOM (Distributed Component Object Model) to travel over HTTP via the Internet Information Server (IIS).
- Domain Name System (DNS)
  - Set up a DNS server that answers query and update requests for DNS names.
- Dynamic Host Configuration Protocol (DHCP)
  - Sets up a DHCP server that automatically assigns temporary IP addresses to client computers on the same network.
- Internet Authentication Service
  - Enables authentication, authorization and accounting of dial-up and VPN users. IAS supports the RADIUS protocol.
- QoS Admission Control Service
  - Allows you to specify the quality of the network connection for each subnet.
- Simple TCP/IP Services
  - Supports the following TCP/IP services: Character Generator, Daytime, Discard, Echo, and Quote of the Day.
- Site Server ILS Services
  - Scans TCP/IP stacks and updates directories with the most current user information.
- Windows Internet Name Service (WINS)
  - Sets up a WINS server that registers and resolves NetBIOS names for clients.

## Other Network File and Print Services

- File Services for Macintosh
- Print Services for Macintosh
- Print Services for Unix

## Remote Installation Services

Provides the ability to remotely install Windows 2000 Professional on remote boot enabled client computers.

## Remote Storage

A set of services and administrative tools that you can use to store data from infrequently used files on magnetic tape.

## Script Debugger

Identifies errors in script programs running on your computer.

## Terminal Services

- Client Creator Files
  - Enables creation of installation disks for Terminal Services Clients.
- Enable Terminal Services
  - Enables Terminal Services software on your computer.

## Terminal Services Licensing

Configures this computer as a Terminal Services license server that provides client licenses.

## Windows Media Services

- Windows Media Services
  - Windows Media Services, which support streaming media.
- Windows Media Services Admin
  - Administrative interface for Windows Media Services.

---

## Modem Dialing Information

- Country: United States of America
- Area Code: 513
- Outside Line:
- Line Type: Tone dialing

---

## Date and Time Settings

- Setup Date & Time, and Time Zone.

---

## Networking Settings

Custom Settings

Client for Microsoft Networks

File and Printer Sharing for Microsoft Networks

Internet Protocol (TCP/IP)

-----  
Workgroup or Computer Domain

No, this computer is not on a network with a domain.

Workgroup: WORKGROUP

-----  
Installing Components...

-----  
Log In  
-----

## A.4 Windows 2000 Server Configuration

### Windows 2000 Server Configuration

-----  
Installation of Active Directory to Create a New Domain

Domain Controller Type  
Domain controller for a new domain

Create Tree or Child Domain  
Create a new domain tree

Create or Join Forest  
Create a new forest of domain trees

New Domain Name  
Full DNS name for new domain: JAL\_DOMAIN

NetBIOS Domain Name  
Domain NetBIOS Name: JAL\_DOMAIN

Database and Log Locations  
Database Location: C:\WINNT\NTDS  
Log Location: C:\WINNT\NTDS

Shared System Volume  
Folder Location: C:\WINNT\SYSVOL

I recieved this error message while seting up the domain:  
The wizard cannot contact the DNS server that handles the name "JAL\_DOMAIN" to determine if it supports dynamic update. Confirm your DNS configuration, or install and configure a DNS server on this computer.

Configure DNS  
Yes, install and configure DNS on this computer

Permissions  
Permissions compatible with pre-Windows 2000 servers.

Directory Services Restore Mode Administrator Password  
Password: Usual  
Confirm Password: Usual

Error:  
The operation failed with the following error:

The specified path is invalid.

-----  
Configure DNS Server

Root Server

This is the first DNS server on this network.

Forward Lookup Zone

Yes, create a forward lookup zone

Zone Type

Standard Primary

Zone Name

zone.jal.com

Zone File

Create a new file with this file name: zone.jal.com.dns

Reverse Lookup Zone

Yes, create a reverse lookup zone

Zone Type

Standard Primary

Reverse Lookup Zone

Network ID: 129.137.100

Zone File

Create a new file with this file name: 100.137.129.in-addr.arpa.dns

-----  
Installing Routing and Remote Access Server

Common Configurations

Manually configured server

Start the server with default settings.

-----

## A.5 Linux Server Installation

Linux Server

-----  
Choose a Language  
English

-----  
Keyboard Type  
US

-----  
Installation Method  
Local CD-ROM

-----  
Installation Path  
Install

-----  
Installation Class  
Server

-----  
Configure Mouse  
Microsoft Intelli Mouse PS/2

-----  
Montior Setup  
Samsung SyncMaster 700b

-----  
Screen Configuration  
Don't Probe

-----  
Screen Resolution  
24 bit 800x600

-----  
Video Memory  
8 Meg

-----  
Clockchip Configuration

No Clockchip Setting

-----  
Install LAN Networking

Yes

-----  
Probe for Network Card Found

3COM 3c59x

-----  
Boot Protocol

Static IP Address

-----  
Configure TCP/IP

IP Address: 129.137.100.149

Netmask: 255.255.254.0

Default Gateway: 129.137.100.144

Primary Name Server: 129.137.100.146

-----  
Configure Network

Domain Name: JAL

Host Name: JAL\_LINUXS

Secondard Nameserver (IP):

Tertiary Nameserver (IP):

-----  
Configure Timezones

US/Eastern

-----  
Root Password

Password: Usual

Password (again): Usual

-----  
Boot Disk

No

This relays on booting off of the boot disk instead of using the MBR.

-----  
Rebooted Computer..

Had to boot off of boot disk. It wouldn't boot without it.

-----  
Logged In

Ran startx to start the X-Windows Session

-----

## A.6 Linux Server Configuration

### Linux Server Configuration

-----  
Disk Free (I used "df -k" to find out the following disk information)

File System	1024-Blocks	Used	Available	Capacity	Mounted On
/dev/sda8	256592	20244	223096	8%	/
/dev/sda1	23300	803	21294	4%	/boot
/dev/sda6	637491	2485	602075	0%	/home
/dev/sda5	637491	244048	360512	40%	/usr
/dev/sda7	256592	6281	237059	3%	/var

### Installed and Configured Samba

This was setup to connect to the JAL Domain.

Configuration File: /etc/smb.conf

Rebooted Computer and Logged In  
Connection to Domain works.

### Modified Hosts Name List

Add the computers that reside on the JAL Domain

Configuration File: /etc/hosts

127.0.0.1	localhost	localhost.localdomain
129.137.100.149	JAL_LINUXS	JAL_LINUXS.JAL
129.137.100.150	JAL_LINUXW	JAL_LINUXW.JAL
129.137.100.146	JAL_WINNTS	JAL_WINNTS.JAL
129.137.100.147	JAL_WINNTW	JAL_WINNTW.JAL
129.137.100.144	JAL_WIN2KS	JAL_WIN2KS.JAL
129.137.100.153	JAL_WIN2KW	JAL_WIN2KW.JAL
129.137.100.148	JAL_WIN98	JAL_WIN98.JAL

-----  
I need to create Linux accounts on this server.

linuxs  
linuxw

## A.7 Windows NT Workstation Installation

Windows NT Workstation

-----  
Create Partition Size  
1024 MB

-----  
File System  
FAT  
NTFS

-----  
Choose Directory  
C:\WINNT

-----  
Copying Files...

-----  
Restart Computer

-----  
Setup Options  
Custom

-----  
Name: JAL  
Organization: JAL Organization

-----  
Computer Name  
Name: JAL\_WINNTW

-----  
Administrator Account  
Password: Usual  
Confirm Password: Usual

-----  
Emergency Repair Disk  
No

-----  
Accessibility Options

Includes options to change keyboard, sound, display, and mouse behavior for people with mobility, hearing, and visual impairments.

#### Accessories

##### Calculator

Enables you to perform calculations.

##### Character Map

Enables you to insert symbols and characters into documents.

##### Clipboard Viewer

Enables you to store or view information in a clipboard.

##### Clock

Enables you to put an analog or digital clock on your desktop.

##### Desktop Wallpaper

Includes background images and pictures for your Windows NT desktop.

##### Document Templates

Allows you to easily create new documents for your most common programs.

##### Imaging

Image Viewer and OLE custom controls.

##### Mouse Pointers

A variety of easy-to-see pointer sizes for you mouse.

##### Object Packager

Enables you to insert an embedded or linked object into a document.

##### Paint

Enables you to create, modify, or view pictures.

##### Quick View

Enables you to preview a document without opening it.

##### Screen Savers

Display moving images when your computer is idle to prevent damage to your screen.

##### WordPad

Editor for creating short memos and documents.

#### Communications

##### Chat

Allows you to converse with other Windows NT users over a network.

##### HyperTerminal

Enables you to connect to other computers and online services (requires a modem).

##### Phone Dialer

Enables you to use your computer to dial a phone through a modem.

#### Games

##### Freecell

##### Minesweeper

##### Pinball

Solitaire

Multimedia

CD Player

Utility to play music CDs with your computer.

Jungle Sound Scheme

Media Player

Utility to play audio and video clips.

Musica Sound Scheme

Robotz Sound Scheme

Sample Sounds

Sound Recorder

Utility to record and play sounds with a sound card.

Utopia Sound Scheme

Volume Control

Utility to adjust the volume from a sound card.

Windows Messaging

Internal Mail

Allows you to access Internet Mail.

Microsoft Mail

Allows you to access Microsoft Mail Post Offices.

Windows Messaging

Integrated Mail, MAPI, and other messaging applications.

-----  
Do not connect this computer to a network at this time.

This computer will participate on a network.

Wired to the network.

Remote access to the network.

-----  
Date/Time Properties

Date & Time

Time Zone

-----  
Display Properties

Settings

-----  
Copying Files...

-----  
Restart Computer

-----  
Log In  
-----

## A.8 Windows NT Workstation Configuration

### Windows NT Server Configuration

-----  
Install Service Pack 6a with 128 bit encryption.

-----  
Errors

-----  
Problem:

Error Message Appearing in Event Viewer

The server service terminated with the following error:  
Not enough server storage is available to process this command.

Solution:

Installed Service Pack 6a with 128 bit encryption.  
-----

## A.9 Windows 2000 Professional Installation

Windows 2000 Professional (Workstation)

-----  
Create Partition Size  
1200 MB

-----  
File System  
NTFS

-----  
Directory Set Automatically  
C:\WINNT

-----  
Copying Files...

-----  
Regional Settings  
Locale Settings  
English (United State)  
Keyboard Layout  
US Keyboard Layout

-----  
Personalize Your Software  
Name: JAL  
Organization: JAL Organization

-----  
Computer Name and Administrator Password  
Computer Name: JAL\_WIN2KS  
Administrator Password: Usual  
Confirm Password: Usual

-----  
Modem Dialing Information  
Country: United States of America  
Area Code: 513  
Outside Line:  
Dial Type: Tone

-----  
Date and Time Settings

Set date and time.  
Set time zone.

---

Networking Settings  
Custom Settings

---

Networking Components  
Client for Microsoft Networks  
File and Printer Sharing for Microsoft Networks  
Internet Protocol (TCP/IP)

---

Workgroup or Computer Domain  
No, this computer is not on a network. (I haven't created the domain yet.)  
Workgroup: WORKGROUP

---

Installing Components...

---

Users of This Computer  
Users must enter a user name and password to use this computer.

---

Log In

---

## **A.10 Windows 2000 Professional Configuration**

## A.11 Windows 98 Installation

### Windows 98

---

#### Select Directory

C:\Windows

---

#### Setup Options

Type of Setup

Customer

---

#### Accessibility

Accessibility Options

Tools to change keyboard, sound, display, and mouse for disabled.

Accessibility Tools

Magnifier and large pointer.

#### Accessories

Calculator

Imaging

Quick View

Windows Scripting Host

Write scripts to automate tasks.

WordPad

#### Communications

Dial-Up Networking

Connect out of computer.

Dial-Up Server

Connect into computer.

HyperTerminal

Microsoft NetMeeting

Virtual Private Networking

#### Internet Tools

Microsoft Front Page Express

Microsoft VRML 2.0 Viewer

Personal Web Server

Real Audio Player 4.0

#### System Tools

Backup

Clipboard Viewer

Disk Compression Tools  
Drive Converter (FAT 32)  
Group Policies  
    Group based support for system policies  
Net Watcher  
    Monitors Network Server and Connections  
System Monitor  
System Resources Meter

-----  
Computer Name: JAL\_WIN98

Workgroup: WORKGROUP

Computer Description: Windows 98 Computer

-----  
Computer Settings  
    Keyboard Layout  
        United States  
    Regional Settings  
        English (US)

-----  
Establishing Your Location  
    United States

-----  
Copying Files...

-----  
Name: JAL

Company: JAL Company

-----  
Accept License Agreement

-----  
Enter Code

-----  
Date/Time Properties  
    Date & Time  
    Time Zone

-----  
Log In  
-----

## **A.12 Windows 98 Configurations**

Windows 98 Configuration

-----  
Copied win98 directory from CD.

-----  
Install Drivers for Network Card

3Com EtherLink XL 10/100 PCI TX NIC (3C905B-TX)

-----  
Install Drivers for Modem

U.S. Robotics 56k Fax Internal

-----  
Install Drivers for Video Card

ATI Rage PRO

-----

## A.13 Linux Workstation Installation

Linux Workstation

-----  
Choose a Language  
English

-----  
Keyboard Type  
US

-----  
Installation Method  
Local CD-ROM

-----  
Installation Path  
Install

-----  
Installation Class  
Workstation

-----  
Configure Mouse  
Microsoft Intelli Mouse PS/2

-----  
Montior Setup  
Samsung SyncMaster 700b

-----  
Screen Configuration  
Don't Probe

-----  
Screen Resolution  
24 bit 800x600

-----  
Video Memory  
8 Meg

-----  
Clockchip Configuration

No Clockchip Setting

-----  
Install LAN Networking  
Yes

-----  
Probe for Network Card Found  
3COM 3c59x

-----  
Boot Protocol  
Static IP Address

-----  
Configure TCP/IP  
IP Address: 129.137.100.150  
Netmask: 255.255.254.0  
Default Gateway: 129.137.100.144  
Primary Name Server: 129.137.100.146

-----  
Configure Network  
Domain Name: JAL  
Host Name: JAL\_LINUXW  
Secondard Nameserver (IP):  
Tertiary Nameserver (IP):

-----  
Configure Timezones  
US/Eastern

-----  
Root Password  
Password: Usual  
Password (again): Usual

-----  
Boot Disk  
No

This relays on booting off of the boot disk instead of using the MBR.

-----  
Rebooted Computer..  
Had to boot off of boot disk. It wouldn't boot without it.

-----  
Logged In

Ran startx to start the X-Windows Session

-----

## A.14 Linux Workstation Configuration

### Linux Server Configuration

-----  
Disk Free (I used "df -k" to find out the following disk information)

File System	1024-Blocks	Used	Available	Capacity	Mounted On
/dev/sda8	256592	20244	223096	8%	/
/dev/sda1	23300	803	21294	4%	/boot
/dev/sda6	637491	2485	602075	0%	/home
/dev/sda5	637491	244048	360512	40%	/usr
/dev/sda7	256592	6281	237059	3%	/var

-----  
Installed and Configured Samba

This was setup to connect to the Windows NT "JAL" Domain.

Configuration File: /etc/smb.conf

-----  
# This is the main Samba configuration file. You should read the  
# smb.conf(5) manual page in order to understand the options listed  
# here. Samba has a huge number of configurable options (perhaps too  
# many!) most of which are not shown in this example  
#  
# Any line which starts with a ; (semi-colon) or a # (hash)  
# is a comment and is ignored. In this example we will use a #  
# for commentry and a ; for parts of the config file that you  
# may wish to enable  
#  
# NOTE: Whenever you modify this file you should run the command "testparm"  
# to check that you have not many any basic syntactic errors.  
#  
#===== Global Settings =====  
[global]  
  
# workgroup = NT-Domain-Name or Workgroup-Name  
workgroup = JAL  
  
# server string is the equivalent of the NT Description field  
server string = Samba Server  
  
# This option is important for security. It allows you to restrict  
# connections to machines which are on your local network. The  
# following example restricts access to two C class networks and

```

# the "loopback" interface. For more examples of the syntax see
# the smb.conf man page
; hosts allow = 192.168.1. 192.168.2. 127.

# if you want to automatically load your printer list rather
# than setting them up individually then you'll need this
    printcap name = /etc/printcap
    load printers = yes

# It should not be necessary to spell out the print system type unless
# yours is non-standard. Currently supported print systems include:
# bsd, sysv, plp, lprng, aix, hpux, qnx
; printing = bsd

# Uncomment this if you want a guest account, you must add this to /etc/passwd
# otherwise the user "nobody" is used
; guest account = pguest

# this tells Samba to use a separate log file for each machine
# that connects
    log file = /var/log/samba/log.%m

# Put a capping on the size of the log files (in Kb).
    max log size = 50

# Security mode. Most people will want user level security. See
# security_level.txt for details.
    security = server
# Use password server option only with security = server
    password server = jal_winnts

# Password Level allows matching of _n_ characters of the password for
# all combinations of upper and lower case.
; password level = 8
; username level = 8

# You may wish to use password encryption. Please read
# ENCRYPTION.txt, Win95.txt and WinNT.txt in the Samba documentation.
# Do not enable this option unless you have read those documents
; encrypt passwords = yes
; smb passwd file = /etc/smbpasswd

# Unix users can map to different SMB User names
; username map = /etc/smbusers

# Using the following line enables you to customise your configuration

```

```

# on a per machine basis. The %m gets replaced with the netbios name
# of the machine that is connecting
; include = /etc/smb.conf.%m

# Most people will find that this option gives better performance.
# See speed.txt and the manual pages for details
  socket options = TCP_NODELAY

# Configure Samba to use multiple interfaces
# If you have multiple network interfaces then you must list them
# here. See the man page for details.
; interfaces = 192.168.12.2/24 192.168.13.2/24

# Configure remote browse list synchronisation here
# request announcement to, or browse list sync from:
#   a specific host or from / to a whole subnet (see below)
; remote browse sync = 192.168.3.25 192.168.5.255
# Cause this host to announce itself to local subnets here
; remote announce = 192.168.1.255 192.168.2.44

# Browser Control Options:
# set local master to no if you don't want Samba to become a master
# browser on your network. Otherwise the normal election rules apply
; local master = no

# OS Level determines the precedence of this server in master browser
# elections. The default value should be reasonable
; os level = 33

# Domain Master specifies Samba to be the Domain Master Browser. This
# allows Samba to collate browse lists between subnets. Don't use this
# if you already have a Windows NT domain controller doing this job
; domain master = yes

# Preferred Master causes Samba to force a local browser election on startup
# and gives it a slightly higher chance of winning the election
; preferred master = yes

# Use only if you have an NT server on your network that has been
# configured at install time to be a primary domain controller.
# domain controller = <NT-Domain-Controller-SMBName>
  domain controller = jal_winnts

#   # Enable this if you want Samba to be a domain logon server for
# Windows95 workstations.
; domain logons = yes

```

```

# if you enable domain logons then you may want a per-machine or
# per user logon script
# run a specific logon batch file per workstation (machine)
; logon script = %m.bat
# run a specific logon batch file per username
; logon script = %U.bat

# Where to store roving profiles (only for Win95 and WinNT)
# %L substitutes for this servers netbios name, %U is username
# You must uncomment the [Profiles] share below
; logon path = \\%L\Profiles\%U

# All NetBIOS names must be resolved to IP Addresses
# 'Name Resolve Order' allows the named resolution mechanism to be specified
# the default order is "host lmhosts wins bcst". "host" means use the unix
# system gethostbyname() function call that will use either /etc/hosts OR
# DNS or NIS depending on the settings of /etc/host.config, /etc/nsswitch.conf
# and the /etc/resolv.conf file. "host" therefore is system configuration
# dependant. This parameter is most often of use to prevent DNS lookups
# in order to resolve NetBIOS names to IP Addresses. Use with care!
# The example below excludes use of name resolution for machines that are NOT
# on the local network segment
# - OR - are not deliberately to be known via lmhosts or via WINS.
; name resolve order = wins lmhosts bcst

# Windows Internet Name Serving Support Section:
# WINS Support - Tells the NMBD component of Samba to enable it's WINS
Server
; wins support = yes

# WINS Server - Tells the NMBD components of Samba to be a WINS Client
# Note: Samba can be either a WINS Server, or a WINS Client, but NOT
both
; wins server = w.x.y.z

# WINS Proxy - Tells Samba to answer name resolution queries on
# behalf of a non WINS capable client, for this to work there must be
# at least one WINS Server on the network. The default is NO.
; wins proxy = yes

# DNS Proxy - tells Samba whether or not to try to resolve NetBIOS names
# via DNS nslookups. The built-in default for versions 1.9.17 is yes,
# this has been changed in version 1.9.18 to no.
dns proxy = yes

```

```

# Case Preservation can be handy - system default is _no_
# NOTE: These can be set on a per share basis
; preserve case = no
; short preserve case = no
# Default case is normally upper case for all DOS files
; default case = lower
# Be very careful with case sensitivity - it can break things!
; case sensitive = no

#----- Share Definitions -----
[homes]
    comment = Home Directories
    browseable = no
    writable = yes

# Un-comment the following and create the netlogon directory for Domain
Logons
; [netlogon]
; comment = Network Logon Service
; path = /home/netlogon
; guest ok = yes
; writable = no
; share modes = no

# Un-comment the following to provide a specific roving profile share
# the default is to use the user's home directory
;[Profiles]
; path = /home/profiles
; browseable = no
; guest ok = yes

# NOTE: If you have a BSD-style print system there is no need to
# specifically define each individual printer
[printers]
    comment = All Printers
    path = /var/spool/samba
    browseable = no
# Set public = yes to allow user 'guest account' to print
    guest ok = no
    writable = no
    printable = yes

# This one is useful for people to share files
;[tmp]

```

```

; comment = Temporary file space
; path = /tmp
; read only = no
; public = yes

# A publicly accessible directory, but read only, except for people in
# the "staff" group
;[public]
; comment = Public Stuff
; path = /home/samba
; public = yes
; writable = yes
; printable = no
; write list = @staff

# Other examples.
#
# A private printer, usable only by fred. Spool data will be placed in fred's
# home directory. Note that fred must have write access to the spool directory,
# wherever it is.
;[fredsprn]
; comment = Fred's Printer
; valid users = fred
; path = /homes/fred
; printer = fred_s_printer
; public = no
; writable = no
; printable = yes

# A private directory, usable only by fred. Note that fred requires write
# access to the directory.
;[fredsdir]
; comment = Fred's Service
; path = /usr/somewhere/private
; valid users = fred
; public = no
; writable = yes
; printable = no

# a service which has a different directory for each machine that connects
# this allows you to tailor configurations to incoming machines. You could
# also use the %u option to tailor it by user name.
# The %m gets replaced with the machine name that is connecting.
;[pchome]
; comment = PC Directories
; path = /usr/pc/%m

```

```

; public = no
; writable = yes

# A publicly accessible directory, read/write to all users. Note that all files
# created in the directory by users will be owned by the default user, so
# any user with access can delete any other user's files. Obviously this
# directory must be writable by the default user. Another user could of course
# be specified, in which case all files would be owned by that user instead.
;[public]
; path = /usr/somewhere/else/public
; public = yes
; only guest = yes
; writable = yes
; printable = no

# The following two entries demonstrate how to share a directory so that two
# users can place files there that will be owned by the specific users. In this
# setup, the directory should be writable by both users and should have the
# sticky bit set on it to prevent abuse. Obviously this could be extended to
# as many users as required.
;[myshare]
; comment = Mary's and Fred's stuff
; path = /usr/somewhere/shared
; valid users = mary fred
; public = no
; writable = yes
; printable = no
; create mask = 0765

```

-----

Rebooted Computer and Logged In  
Connection to Domain works.

-----

### Modified Hosts Name List

Add the computers that reside on the JAL Domain

Configuration File: /etc/hosts

127.0.0.1	localhost	localhost.localdomain
129.137.100.150	JAL_LINUXW	JAL_LINUXW.JAL
129.137.100.149	JAL_LINUXS	JAL_LINUXS.JAL
129.137.100.146	JAL_WINNTS	JAL_WINNTS.JAL
129.137.100.147	JAL_WINNTW	JAL_WINNTW.JAL
129.137.100.144	JAL_WIN2KS	JAL_WIN2KS.JAL
129.137.100.153	JAL_WIN2KW	JAL_WIN2KW.JAL
129.137.100.148	JAL_WIN98	JAL_WIN98.JAL

-----

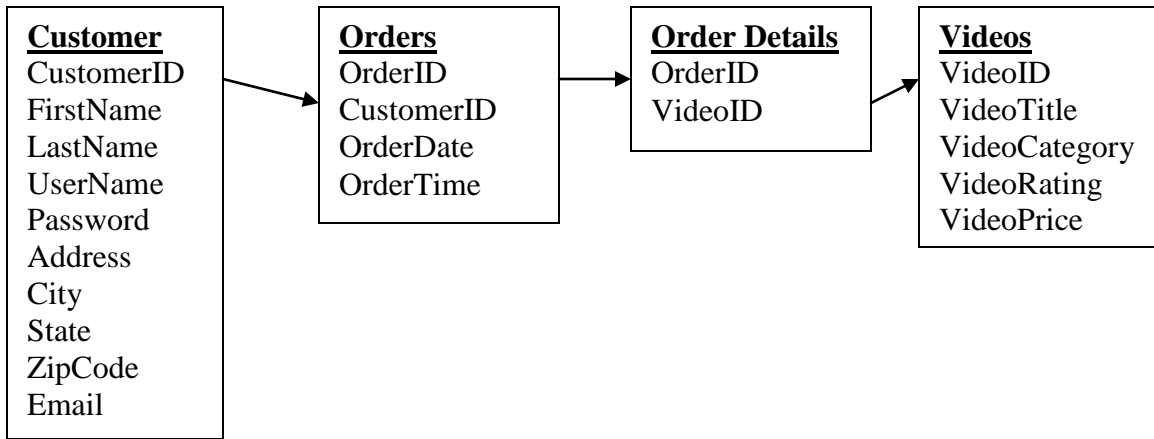
I need to create Linux accounts on this server.

linuxs

linuxw

-----

## Appendix B. Database



## Appendix C. Web

### C.1 index.html

```
<html>
<head>
<title>Video Store Database</title>
</head>
<body background="/jlouis_video/images/background.gif">

<script LANGUAGE="JavaScript">
function checkform (thisform) {
  if (thisform.UserName.value == null || thisform.UserName.value == "") {
    alert ("You must specify a User Name.");
    thisform.UserName.focus() ;
    return false;
  }
  if (thisform.Password.value == null || thisform.Password.value == "") {
    alert ("You must specify a Password.")
    thisform.Password.focus() ;
    return false;
  }
}
</script>

<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80"
HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38"
HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42"
HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>

<form Method="Post" Action="login.asp" onSubmit="return checkform(this)">

<h1 align="center">Video Store Database Project</h2>

<center></center>

<h2 align="center">Log In</h2>
```

```
<br>
```

```
<table align="center">
```

```
<tr>
```

```
<td><b>Username:</b></td>
```

```
<td><input id="UserName" name="UserName" size="8" maxlength="8"></td>
```

```
</tr>
```

```
<tr>
```

```
<td><b>Password:</b></td>
```

```
<td><input id="Password" name="Password" type="password" size="15"
maxlength="15"></td>
```

```
</tr>
```

```
<tr>
```

```
<td align="center"><input id="submit" name="submit" type="submit" value=" Login
"></td>
```

```
<td align="center"><input type="reset" value=" Reset " id="reset" name="reset"></td>
```

```
</tr>
```

```
</table>
```

```
<p align="center"><a href="newuser.html">Create A New User Account</a></p>
```

```
</form>
```

```
</body>
```

```
</html>
```

## C.2 login.asp

```
<%
'This is the connect string for the database
strDSN = "Driver={SQL Server}; Server=129.137.100.140; User ID=louis;
PWD=password; Database=jlouis_video"

'get the users information
UserName=Request.Form("UserName")
Password=Request.Form ("Password")

'Double Check the data
if UserName = "" then
'Response.Write ("UserName")
'Response.Write ("Password")
    Response.Redirect ("/jlouis_video/")
elseif Password = "" then
    Response.Redirect ("/jlouis_video/")
end if

'lets look them up in the database
'Database Connection Objects
Set ObjConn = Server.CreateObject ("ADODB.Connection")
Set ObjCmd = Server.CreateObject ("ADODB.Command")
Set objParam = Server.CreateObject ("ADODB.Parameter")
Set objRst = Server.CreateObject ("ADODB.Recordset")
'open the connection
objConn.Open strDSN

strSQL = "select UserName,UserPasswd from Customer where UserName="" &
UserName & "" & "and UserPasswd="" & Password & ""

objRst.Open strSQL, objConn

'Are they there
If objRst.EOF And objRst.BOF Then
    'Close the recordset and connection.
    objRst.Close
    objConn.Close
    'Destroy the objects
    Set objRst = Nothing
    Set objConn = Nothing
    Response.Redirect "/jlouis_video/"
End If

'Set the cookie
```

```
Response.Cookies("uid") = UserName
```

```
'take them to the right page
```

```
Response.Redirect ("/jlouis_video/updateuser.asp")
```

```
%>
```

### C.3 help.html

```
<html>
<head>
<title>Video Store Database - Help</title>
</head>

<body background="/jlouis_video/images/background.gif">

<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80"
HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38"
HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42"
HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>

<form Method="Post" Action="login.asp" onSubmit="return checkform(this)"
id="form1" name="form1">

<h1 align="center">Video Store Database Project</h1>

<center></center>

<h2 align="center">Help</h2>

<br>

<table align="center" width="500">
<tr><td>

<h3>How To Use This Site</h3>

<h4>Account information</h4>

<p>If you <b>have an account</b> then enter your username and password in the fields
provided then click &quot;Log In.&quot;</p>

<p>If you <b>don't have an account</b> then click on &quot;Create a New User
Account.&quot; From the next screen fill
```

out the fields with your information and click "Create Account." Once your account is created go to the Log In page.

#### Once logged in

Once you are logged in you are taken to the Customer Information page. From here you can make changes to the customer information or proceed on.

#### To check out a video

Go to the Check Out section and click on the video that you want to check out. Then click on the "Check Out" button.

#### To check in a video

Go to the Check In section and click on the video that you want to check in. Then click on the "Check In" button.

---

### Description

This on-line application is used for keeping track of customers and videos. This is used to keep track of which customers, have what videos, checked-out. When a customer wants to check-out, or check-in a video, this on-line application can be used.

---

### Navigation

Navigation of this site has been kept easy for simplicity. You start at the main log-on screen [http://129.137.101.71/jlouis\\_video](http://129.137.101.71/jlouis_video). Once you are logged in simply click on the different sections of the blue image at the top of the screen.

---

### Technical

This video store database project is used to store customer and video information. These web pages are tied into a database. By using the web pages customer and video information can be stored in the database for later retrieval. The database consists of four tables. One table stores the customer information

such as:</p>

```
<ul>
<li>First Name</li>
<li>Last Name</li>
<li>Street Address</li>
<li>City</li>
<li>State</li>
<li>Zip Code</li>
<li>Email Address</li>
</ul>
```

<p>The second table stores the information about the videos themselves. The video table stores information such as:</p>

```
<ul>
<li>Video Title</li>
<li>Rating</li>
<li>Genre</li>
<li>Price</li>
</ul>
```

<p>The other two tables are used to store information that ties the two tables together. When a video is checked-out by a customer then the tables store the time/date the video was checked-out.</p>

<p>For more information about this site send an email to <a href="mailto:louisja@email.uc.edu">louisja@email.uc.edu</a>.</p>

```
</td></tr>
</table>
```

```
</form>
</body>
</html>
```

## C.4 newuser.html

```
<html>
<head>
<title>Video Store Database - New User</title>
</head>
<body background="/jlouis_video/images/background.gif">

<script LANGUAGE="JavaScript">
function checkform (thisform) {
//
  if (thisform.UserName.value == null || thisform.UserName.value == "") {
    alert ("You must specify a User Name.")
    thisform.UserName.focus() ;
    return false;
  }
  if (thisform.Password.value == null || thisform.Password.value == "") {
    alert ("You must specify a Password.")
    thisform.Password.focus() ;
    return false;
  }
  if (thisform.CPassword.value == null || thisform.CPassword.value == "") {
    alert ("You must specify a Confirm Password.")
    thisform.CPassword.focus() ;
    return false;
  }
  if (thisform.Password.value != thisform.CPassword.value) {
    alert ("Your Password must be the same as your Confirm Password.")
    thisform.CPassword.focus() ;
    return false;
  }
  if (thisform.FirstName.value == null || thisform.FirstName.value == "") {
    alert ("You must specify your First Name.")
    thisform.FirstName.focus() ;
    return false;
  }
  if (thisform.LastName.value == null || thisform.LastName.value == "") {
    alert ("You must specify your Last Name.")
    thisform.LastName.focus() ;
    return false;
  }
  if (thisform.Address.value == null || thisform.Address.value == "") {
    alert ("You must specify your Address.")
    thisform.Address.focus() ;
    return false;
  }
}
```

```

if (thisform.City.value == null || thisform.City.value == "") {
    alert ("You must specify your City.")
    thisform.City.focus() ;
    return false;
}
if (thisform.State.value == null || thisform.State.value == "") {
    alert ("You must specify your State.")
    thisform.State.focus() ;
    return false;
}
if (thisform.Zip.value == null || thisform.Zip.value == "") {
    alert ("You must specify your Zip.")
    thisform.Zip.focus() ;
    return false;
}
}
}
</script>

<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80"
HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38"
HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42"
HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>

<form Method="Post" Action="newuser.asp" onSubmit="return checkform(this)">

<h1 align="center">Video Store Database Project</h1>

<center></center>

<h2 align="center">Create New User Account</h2>

<br>

<table align="center">
<tr>
<td><b>Username:</b></td>
<td><input id="UserName" name="UserName" size="8" maxlength="8"></td>

```

```
</tr>

<tr>
<td><b>Password:</b></td>
<td><input id="Password" name="Password" type="password" size="15"
maxlength="15"></td>
</tr>

<tr>
<td><b>Confirm Password:</b></td>
<td><input id="CPassword" name="CPassword" type="password" size="15"
maxlength="15"></td>
</tr>

<tr>
<td><b>First Name:</b></td>
<td><input id="FirstName" name="FirstName" size="20" maxlength="20"></td>
</tr>

<tr>
<td><b>Last Name:</b></td>
<td><input id="LastName" name="LastName" size="20" maxlength="20"></td>
</tr>

<tr>
<td><b>Street Address:</b></td>
<td><input id="Address" name="Address" size="30" maxlength="30"></td>
</tr>

<tr>
<td><b>City:</b></td>
<td><input id="City" name="City" size="20" maxlength="20"></td>
</tr>

<tr>
<td><b>State:</b></td>
<td><input id="State" name="State" size="2" maxlength="2"></td>
</tr>

<tr>
<td><b>Zip Code:</b></td>
<td><input id="Zip" name="Zip" size="10" maxlength="10"></td>
</tr>

<tr>
<td><b>Email Address:</b></td>
```

```
<td><input id="Email" name="Email" size="30" maxlength="30"></td>
</tr>

<tr>
<td align="middle"><input id="submit" name="submit" type="submit" value=" Create
Account "></td>
<td align="middle"><input type="reset" value=" Reset " id="reset" name="reset"></td>
</tr>
</table>

</form>

</body>
</html>
```

## C.5 newuser.asp

```
<% @ Language=VBScript %>
<html>
<head>
<title>Video Store Database - New User Created</title>
</head>
<body background="/jlouis_video/images/background.gif">

<% UserName=Request.Form("UserName") %>
<% Password=Request.Form("Password") %>
<% FirstName=Request.Form("FirstName") %>
<% LastName=Request.Form("LastName") %>
<% Address=Request.Form("Address") %>
<% City=Request.Form("City") %>
<% State=Request.Form("State") %>
<% Zip=Request.Form("Zip") %>
<% Email=Request.Form("Email") %>
<% CheckOut="No" %>

<%
' declaring variables
Dim DataConn
Dim CmdAddRecord
Dim MYSQL

Set DataConn = Server.CreateObject("ADODB.Connection")
Set CmdAddRecord = Server.CreateObject("ADODB.Recordset")

' The line below shows how to use a system DSN instead of a DNS-LESS connection
DataConn.Open "DSN=jlouis", "louis", "password"
' DataConn.Open "DBQ=" & Server.MapPath("../_database/database.mdb") &
";Driver={Microsoft Access Driver (*.mdb)};"

MYSQL = "SELECT customer.* FROM customer"

CmdAddRecord.Open MYSQL, DataConn, 1, 3

CmdAddRecord.AddNew
CmdAddRecord.Fields("UserName") = UserName
CmdAddRecord.Fields("UserPasswd") = Password
CmdAddRecord.Fields("FirstName") = FirstName
CmdAddRecord.Fields("LastName") = LastName
CmdAddRecord.Fields("StreetAddress") = Address
CmdAddRecord.Fields("City") = City
CmdAddRecord.Fields("State") = State
```

```
CmdAddRecord.Fields("ZipCode") = Zip
CmdAddRecord.Fields("CheckOut") = CheckOut
CmdAddRecord.Fields("EmailAddress") = Email
CmdAddRecord.Update
```

```
' closing objects and setting them to nothing
' not necessary but a good habit
CmdAddRecord.Close
Set CmdAddRecord = Nothing
DataConn.Close
Set DataConn = Nothing
%>
```

```
<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80"
HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38"
HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42"
HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>
```

```
<h1 align="center">Video Store Database Project</h1>
```

```
<center></center>
```

```
<h2 align="center">User Created</h2>
```

```
<br>
```

```
<table align="center">
<tr>
<td><b>The new user has been successfully created!</b></td>
</tr>
<tr>
<td><a href="/jlouis_video/"><b>Click here to log in.</b></a></td>
</tr>
</table>
</body>
</html>
```

## C.6 updateuser.asp

```
<%
Check=Request.Cookies("uid")
if Check = "" then
    Response.Redirect ("/jlouis_video/")
end if
%>

<%
strDSN = "Driver={SQL Server}; Server=129.137.100.140; User ID=louis;
PWD=password; Database=jlouis_video"

Set ObjConn = Server.CreateObject ("ADODB.Connection")
Set ObjCmd = Server.CreateObject ("ADODB.Command")
Set objParam = Server.CreateObject ("ADODB.Parameter")
Set objRst = Server.CreateObject ("ADODB.Recordset")
' Sets up variable to retrieve data from DB connection
Set CmdPopulateDB = Server.CreateObject("ADODB.Recordset")

objConn.Open strDSN

UserName=Request.Cookies("uid")

' Retrieves data from DB connection and assigns it to a variable
SQL="SELECT FirstName, LastName, UserPasswd, StreetAddress, City, State,
ZipCode, EmailAddress FROM Customer where UserName="" & UserName & """"
CmdPopulateDB.Open SQL, ObjConn
%>

<html>
<head>
<title>Video Store Database - Update User</title>
</head>

<script LANGUAGE="JavaScript">
function checkform (thisform) {
//
    if (thisform.UserName.value == null || thisform.UserName.value == "") {
        alert ("You must specify a User Name.")
        thisform.UserName.focus() ;
        return false;
    }
    if (thisform.Password.value == null || thisform.Password.value == "") {
        alert ("You must specify a Password.")
        thisform.Password.focus() ;
    }
}
```

```

    return false;
}
if (thisform.CPassword.value == null || thisform.CPassword.value == "") {
    alert ("You must specify a Confirm Password.")
    thisform.CPassword.focus() ;
    return false;
}
if (thisform.Password.value != thisform.CPassword.value) {
    alert ("Your Password must be the same as your Confirm Password.")
    thisform.CPassword.focus() ;
    return false;
}
if (thisform.FirstName.value == null || thisform.FirstName.value == "") {
    alert ("You must specify your First Name.")
    thisform.FirstName.focus() ;
    return false;
}
if (thisform.LastName.value == null || thisform.LastName.value == "") {
    alert ("You must specify your Last Name.")
    thisform.LastName.focus() ;
    return false;
}
if (thisform.Address.value == null || thisform.Address.value == "") {
    alert ("You must specify your Address.")
    thisform.Address.focus() ;
    return false;
}
if (thisform.City.value == null || thisform.City.value == "") {
    alert ("You must specify your City.")
    thisform.City.focus() ;
    return false;
}
if (thisform.State.value == null || thisform.State.value == "") {
    alert ("You must specify your State.")
    thisform.State.focus() ;
    return false;
}
if (thisform.Zip.value == null || thisform.Zip.value == "") {
    alert ("You must specify your Zip.")
    thisform.Zip.focus() ;
    return false;
}
}
}
</script>

```

```

<body background="/jlouis_video/images/background.gif">

```

```
<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80"
HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38"
HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42"
HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>
```

```
<form Method="post" Action="updateuserresponse.asp" onSubmit="return
checkform(this)">
```

```
<h1 align="center">Video Store Database Project</h1>
```

```
<center></center>
```

```
<h2 align="center">Update User</h2>
```

```
<br>
```

```
<table align="center">
```

```
<tr>
```

```
<td><b>First Name:</b></td>
```

```
<td>
```

```
<input type="text" id="FirstName" name="FirstName" size="20" maxlength="20"
value="<% Response.Write CmdPopulateDB("FirstName") %>">
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td><b>Last Name:</b></td>
```

```
<td>
```

```
<input type="text" id="LastName" name="LastName" size="20" maxlength="20"
value="<% Response.Write CmdPopulateDB("LastName") %>">
```

```
</td>
```

```
</tr>
```

```
<tr>
```

```
<td><b>Username:</b></td>
```

```
<td>
```

```

<input type="text" id="UserName" name="UserName" size="8" maxlength="8"
value="<% Response.Write UserName %>">
</td>
</tr>

<tr>
<td><b>Password:</b></td>
<td>
<input type="password" id="Password" name="Password" size="15" maxlength="15"
value="<% Response.Write CmdPopulateDB("UserPasswd") %>">
</td>
</tr>

<tr>
<td><b>Confirm Password:</b></td>
<td>
<input type="password" id="CPassword" name="CPassword" size="15" maxlength="15"
value="<% Response.Write CmdPopulateDB("UserPasswd") %>">
</td>
</tr>

<tr>
<td><b>Street Address:</b></td>
<td>
<input type="text" id="Address" name="Address" size="30" maxlength="30"
value="<% Response.Write CmdPopulateDB("StreetAddress") %>">
</td>
</tr>

<tr>
<td><b>City:</b></td>
<td>
<input type="text" id="City" name="City" size="20" maxlength="20" value="<%
Response.Write CmdPopulateDB("City") %>">
</td>
</tr>

<tr>
<td><b>State:</b></td>
<td>
<input type="text" id="State" name="State" size="2" maxlength="2" value="<%
Response.Write CmdPopulateDB("State") %>">
</td>
</tr>

```

```
<tr>
<td><b>Zip Code:</b></td>
<td>
<input type="text" id="Zip" name="Zip" size="10" maxlength="10" value="<%
Response.Write CmdPopulateDB("ZipCode") %>">
</td>
</tr>

<tr>
<td><b>Email Address:</b></td>
<td>
<input type="text" id="Email" name="Email" size="30" maxlength="30" value="<%
Response.Write CmdPopulateDB("EmailAddress") %>">
</td>
</tr>

<tr>
<td>
<input type="submit" value="Submit" id="submit" name="submit">
</td>
</tr>

<tr>
<td colspan="2"></td>
</tr>
</table>
</form>

</body>
</html>
```

## C.7 updateuserresponse.asp

```
<%
Check=Request.Cookies("uid")
if Check = "" then
    Response.Redirect ("/jlouis_video/")
end if
%>

<html>
<head>
<title>Video Store Database - Update User Response</title>
</head>
<body background="/jlouis_video/images/background.gif">

<% UserName=Request.Form("UserName") %>
<% Password=Request.Form("Password") %>
<% FirstName=Request.Form("FirstName") %>
<% LastName=Request.Form("LastName") %>
<% Address=Request.Form("Address") %>
<% City=Request.Form("City") %>
<% State=Request.Form("State") %>
<% Zip=Request.Form("Zip") %>
<% Email=Request.Form("Email") %>

<%
' declaring variables
Dim DataConn
Dim CmdAddRecord
Dim MYSQL

Set DataConn = Server.CreateObject("ADODB.Connection")
Set CmdUpdateRecord = Server.CreateObject("ADODB.Recordset")

' The line below shows how to use a system DSN instead of a DNS-LESS connection
DataConn.Open "DSN=jlouis", "louis", "password"
' DataConn.Open "DBQ=" & Server.MapPath("../_database/database.mdb") &
";Driver={Microsoft Access Driver (*.mdb)};"

MYSQL = "SELECT customer.* FROM customer where UserName=" & UserName &
""

CmdUpdateRecord.Open MYSQL, DataConn, 1, 3

' CmdAddRecord.AddNew
CmdUpdateRecord.Fields("UserName") = UserName
```

```
CmdUpdateRecord.Fields("UserPasswd") = Password
CmdUpdateRecord.Fields("FirstName") = FirstName
CmdUpdateRecord.Fields("LastName") = LastName
CmdUpdateRecord.Fields("StreetAddress") = Address
CmdUpdateRecord.Fields("City") = City
CmdUpdateRecord.Fields("State") = State
CmdUpdateRecord.Fields("ZipCode") = Zip
CmdUpdateRecord.Fields("EmailAddress") = Email
CmdUpdateRecord.Update
```

```
' closing objects and setting them to nothing
' not necessary but a good habit
CmdUpdateRecord.Close
Set CmdUpdateRecord = Nothing
DataConn.Close
Set DataConn = Nothing
%>
```

```
<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80"
HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38"
HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42"
HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>
```

```
<h1 align="center">Video Store Database Project</h1>
```

```
<center></center>
```

```
<h2 align="center">User Updated</h2>
```

```
<br>
```

```
<table align="center">
<tr>
<td><b>The user has been updated successfully!</b></td>
</tr>
```

```
<tr>
```

```
<td><a href="/jlouis_video/updateuser.asp"><b>Click here to view the updated
user.</b></a></td>
</tr>
</table>

</body>
</html>
```

## C.8 checkout.asp

```
<%
Check=Request.Cookies("uid")
if Check = "" then
    Response.Redirect ("/jlouis_video/")
end if
%>

<%
strDSN = "Driver={SQL Server}; Server=129.137.100.140; User ID=louis;
PWD=password; Database=jlouis_video"

Set ObjConn = Server.CreateObject ("ADODB.Connection")
Set ObjCmd = Server.CreateObject ("ADODB.Command")
Set objParam = Server.CreateObject ("ADODB.Parameter")
Set objRst = Server.CreateObject ("ADODB.Recordset")
' Sets up variable to retrieve data from DB connection
Set CmdPopulateDB = Server.CreateObject("ADODB.Recordset")

objConn.Open strDSN

UserName=Request.Cookies("uid")

' Retrieves data from DB connection and assigns it to a variable
SQL="SELECT VideoTitle, VideoCategory, VideoRating FROM Videos where
CheckedOut='No'"
CmdPopulateDB.Open SQL, ObjConn
%>

<html>
<head>
<title>Video Store Database - Check Out</title>
</head>

<script LANGUAGE="JavaScript">
function checkform (thisform) {
    if (thisform.VideoTitle.value == "") {
        alert ("You must select a title in order to check out a video.")
        thisform.VideoTitle.focus() ;
        return false;
    }
}
</script>

<body background="/jlouis_video/images/background.gif">
```

```

<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80"
HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38"
HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42"
HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>

```

```

<form Method="Post" Action="checkoutresponse.asp">

```

```

<h1 align="center">Video Store Database Project</h1>

```

```

<center></center>

```

```

<h2 align="center">Check Out</h2>

```

```

<br>

```

```

<table align="center">
<tr>
<td width="130"><b>Title:</b></td>
<td width="75"><b>Rating:</b></td>
<td width="100"><b>Category:</b></td>
</tr>

```

```

<tr>
<td colspan=3><hr></td>
</tr>

```

```

<tr>
<td colspan="1">
<% Response.Write "<SELECT size=10 id=VideoTitle name=VideoTitle">
do until CmdPopulateDB.EOF or CmdPopulateDB.BOF
Response.Write "<OPTION>" & CmdPopulateDB("VideoTitle")& "</OPTION>"
CmdPopulateDB.MoveNext
loop
CmdPopulateDB.MoveFirst
Response.Write "</SELECT>" %>
</td>

```

```

<td valign=top>
<% do until CmdPopulateDB.EOF or CmdPopulateDB.BOF
Response.Write "<b>" & CmdPopulateDB("VideoRating")& "</b><BR>"
CmdPopulateDB.MoveNext
loop
CmdPopulateDB.MoveFirst %>
</td>

```

```

<td valign=top>
<% do until CmdPopulateDB.EOF or CmdPopulateDB.BOF
Response.Write "<b>" & CmdPopulateDB("VideoCategory")& "</b><BR>"
CmdPopulateDB.MoveNext
loop
CmdPopulateDB.MoveFirst %>
</td>
</tr>

```

```

<tr>
<td><b>Order Date:</b></td>
<td><b><% Response.Write (Date) %></b><input name="OrderDate" type="hidden"
size="10" maxsize="10" value="<% Response.Write (Date) %>"></td>
</tr>

```

```

<tr>
<td><b>Order Time:</b></td>
<td><b><% Response.Write (Time) %></b><input name="OrderTime" type="hidden"
size="10" maxsize="10" value="<% Response.Write (Time) %>"></td>
</tr>

```

```

<tr>
<td align="center"><input id="submit" name="submit" type="submit" value=" Check
Out "></td>
</tr>
</table>

```

```

</body>
</html>

```

## C.9 checkoutresponse.asp

```
<%
Check=Request.Cookies("uid")
if Check = "" then
    Response.Redirect ("/jlouis_video/")
end if
%>

<html>
<head>
<title>Video Store Database - Check Out Response</title>
</head>
<body background="/jlouis_video/images/background.gif">

<% VideoTitle=Request.Form("VideoTitle") %>
<% OrderDate=Request.Form("OrderDate") %>
<% OrderTime=Request.Form("OrderTime") %>
<% CheckedOut="Yes" %>
<% CheckOut="Yes" %>
<% UserName=Request.Cookies("uid") %>

<%
' declaring variables
Dim DataConn
Dim CmdUpdateRecord
Dim CmdUpdateRecord2
Dim MYSQL

Set DataConn = Server.CreateObject("ADODB.Connection")
Set CmdUpdateRecord = Server.CreateObject("ADODB.Recordset")
Set CmdUpdateRecord2 = Server.CreateObject("ADODB.Recordset")
Set CmdAddRecord = Server.CreateObject("ADODB.Recordset")
Set CmdAddRecord2 = Server.CreateObject("ADODB.Recordset")

' The line below shows how to use a system DSN instead of a DNS-LESS connection
DataConn.Open "DSN=jlouis", "louis", "password"
' DataConn.Open "DBQ=" & Server.MapPath("../_database/database.mdb") &
";Driver={Microsoft Access Driver (*.mdb)};"

MYSQL = "SELECT * FROM Videos where VideoTitle='" & VideoTitle & "'"
MYSQL2 = "SELECT * FROM Customer where UserName='" & UserName & "'"
MYSQL3 = "SELECT * FROM Orders"
MYSQL4 = "SELECT * FROM OrderDetails"

CmdUpdateRecord.Open MYSQL, DataConn, 1, 3
```

```

CmdUpdateRecord2.Open MYSQL2, DataConn, 1, 3
CmdAddRecord.Open MYSQL3, DataConn, 1, 3
CmdAddRecord2.Open MYSQL4, DataConn, 1, 3

' This retrieves the CustomerID from the Customer table for the user that is logged in.
CustomerID = CmdUpdateRecord2.Fields("CustomerID")

' This retrieves the VideoID from the Videos table for the video that was selected for
check out.
VideoID = CmdUpdateRecord.Fields("VideoID")

' CmdUpdateRecord Update
CmdUpdateRecord.Fields("CheckedOut") = CheckedOut
CmdUpdateRecord.Update
CmdUpdateRecord.Close

' CmdUpdateRecord2 Update
CmdUpdateRecord2.Fields("CheckOut") = CheckOut
CmdUpdateRecord2.Update
CmdUpdateRecord2.Close

' CmdAddRecord Add
CmdAddRecord.AddNew
CmdAddRecord.Fields("CustomerID") = CustomerID
CmdAddRecord.Fields("OrderDate") = OrderDate
CmdAddRecord.Fields("OrderTime") = OrderTime
CmdAddRecord.Update
' This retrieves the OrderID from the Orders table for the order that was just created.
OrderID = CmdAddRecord.Fields("OrderID")
CmdAddRecord.Close

' CmdAddRecord2 Add
CmdAddRecord2.AddNew
CmdAddRecord2.Fields("OrderID") = OrderID
CmdAddRecord2.Fields("VideoID") = VideoID
CmdAddRecord2.Update
CmdAddRecord2.Close

' closing objects and setting them to nothing
' not necessary but a good habit
Set CmdUpdateRecord = Nothing
DataConn.Close
Set DataConn = Nothing
%>

<map NAME="NavMap">

```

```
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80"
HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38"
HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42"
HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>
```

```
<h1 align="center">Video Store Database Project</h1>
```

```
<center></center>
```

```
<h2 align="center">Video Checked Out</h2>
```

```
<br>
```

```
<table align="center">
```

```
<tr>
```

```
<td><b>The video has been checked out successfully!</b></td>
```

```
</tr>
```

```
<tr>
```

```
<td><p><a href="/jlouis_video/checkin.asp"><b>Click here to view the videos you have
checked out.</b></a></p>
```

```
<p><a href="/jlouis_video/checkout.asp"><b>Check out another video.</b></p></td>
```

```
</tr>
```

```
</table>
```

```
</body>
```

```
</html>
```

## C.10 checkin.asp

```
<%
Check=Request.Cookies("uid")
if Check = "" then
    Response.Redirect ("/jlouis_video/")
end if
%>

<%
strDSN = "Driver={SQL Server}; Server=129.137.100.140; User ID=louis;
PWD=password; Database=jlouis_video"

Set ObjConn = Server.CreateObject ("ADODB.Connection")
Set ObjCmd = Server.CreateObject ("ADODB.Command")
Set objParam = Server.CreateObject ("ADODB.Parameter")
Set objRst = Server.CreateObject ("ADODB.Recordset")
' Sets up variable to retrieve data from DB connection
Set CmdPopulateDB = Server.CreateObject("ADODB.Recordset")
Set CmdPopulateDB2 = Server.CreateObject("ADODB.Recordset")

objConn.Open strDSN

UserName=Request.Cookies("uid")
CheckOut="Yes"
CheckedOut="Yes"

SQL2="SELECT CustomerID from Customer WHERE USERNAME="" & UserName &
""
CmdPopulateDB2.Open SQL2, ObjConn
CustomerID = CmdPopulateDB2.Fields("CustomerID")

' SQL="SELECT Videos.VideoTitle FROM Customer INNER JOIN Orders ON
Customer.CustomerID = Orders.CustomerID INNER JOIN OrderDetails ON
Orders.OrderID = OrderDetails.OrderID INNER JOIN Videos ON OrderDetails.VideoID
= Videos.VideoID WHERE (Customer.CheckOut = CheckOut) AND
(Videos.CheckedOut = CheckedOut) AND (Customer.CustomerID ="" & CustomerID &
"")"
SQL="SELECT Videos.* FROM Customer INNER JOIN Orders ON
Customer.CustomerID = Orders.CustomerID INNER JOIN OrderDetails ON
Orders.OrderID = OrderDetails.OrderID INNER JOIN Videos ON OrderDetails.VideoID
= Videos.VideoID WHERE (Customer.CheckOut = CheckOut) AND
(Videos.CheckedOut = CheckedOut) AND (Customer.CustomerID ="" & CustomerID &
"")"
CmdPopulateDB.Open SQL, ObjConn
```

```

' Retrieves data from DB connection and assigns it to a variable
' SQL="SELECT * FROM Videos where CheckedOut="" & CheckedOut & ""
' CmdPopulateDB.Open SQL, ObjConn
%>

<html>
<head>
<title>Video Store Database - Check In</title>
</head>

<script LANGUAGE="JavaScript">
function checkform (thisform) {
    if (thisform.VideoTitle.value == null || thisform.VideoTitle.value == "") {
        alert ("You must select a title in order to check in a video.")
        thisform.VideoTitle.focus() ;
        return false;
    }
}
</script>

<body background="/jlouis_video/images/background.gif">

<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80"
HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38"
HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42"
HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>

<form Method="Post" Action="checkinresponse.asp">

<h1 align="center">Video Store Database Project</h2>

<center></center>

<h2 align="center">Check In</h2>

<br>

```

```

<table align="center" border="0">
<tr>
<td width="130"><b>Title:</b></td>
<td width="75"><b>Rating:</b></td>
<td width="100"><b>Category:</b></td>
</tr>

<tr>
<td colspan=3><hr></td>
</tr>

<tr>
<td colspan="1"><SELECT size=10 id=VideoTitle name=VideoTitle>
<% do until CmdPopulateDB.EOF or CmdPopulateDB.BOF
Response.Write "<OPTION>" & CmdPopulateDB("VideoTitle")& "</OPTION>"
CmdPopulateDB.MoveNext
loop %>
<% CmdPopulateDB.MoveFirst %>
</SELECT></td>

<td valign=top>
<% do until CmdPopulateDB.EOF or CmdPopulateDB.BOF
Response.Write "<b>" & CmdPopulateDB("VideoRating")& "</b><BR>"
CmdPopulateDB.MoveNext
loop %>
<% CmdPopulateDB.MoveFirst %>
</td>

<td valign=top>
<% do until CmdPopulateDB.EOF or CmdPopulateDB.BOF
Response.Write "<b>" & CmdPopulateDB("VideoCategory")& "</b><BR>"
CmdPopulateDB.MoveNext
loop %>
<% CmdPopulateDB.MoveFirst %>
</td>
</tr>

<tr>
<td align="center"><input id="submit" name="submit" type="submit" value=" Check In
"></td>
</tr>
</table>

</body>
</html>

```

## C.11 checkinresponse.asp

```
<%  
Check=Request.Cookies("uid")  
if Check = "" then  
    Response.Redirect ("/jlouis_video/")  
end if  
>%  
  
<html>  
<head>  
<title>Video Store Database - Check In Response</title>  
</head>  
<body background="/jlouis_video/images/background.gif">  
  
<% VideoTitle=Request.Form("VideoTitle") %>  
<% CheckedOut="No" %>  
<% CheckOut="No" %>  
<% UserName=Request.Cookies("uid") %>  
  
<%  
' Declare the Connection  
Dim DataConn  
  
' Declare the Records  
Dim CmdUpdateRecord  
Dim CmdUpdateRecord2  
Dim CmdSelectRecord  
Dim CmdDeleteRecord  
Dim CmdDeleteRecord2  
  
' Declare the SQL Statements  
Dim SQLSV  
Dim SQLSC  
Dim SQLSO  
Dim SQLDO  
Dim SQLDOD  
  
' Set the Connection  
Set DataConn = Server.CreateObject("ADODB.Connection")  
  
' Set the Records  
Set CmdUpdateRecord = Server.CreateObject("ADODB.Recordset")  
Set CmdUpdateRecord2 = Server.CreateObject("ADODB.Recordset")  
Set CmdSelectRecord = Server.CreateObject("ADODB.Recordset")  
Set CmdDeleteRecord = Server.CreateObject("ADODB.Recordset")
```

```

Set CmdDeleteRecord2 = Server.CreateObject("ADODB.Recordset")

' Establish the Connection
' The line below shows how to use a system DSN instead of a DNS-LESS connection
DataConn.Open "DSN=jlouis", "louis", "password"
' DataConn.Open "DBQ=" & Server.MapPath("../_database/database.mdb") &
";Driver={Microsoft Access Driver (*.mdb)};"

' Create the SQL statements
SQLSV = "SELECT * FROM Videos where VideoTitle='" & VideoTitle & "'"
SQLSC = "SELECT * FROM Customer where UserName='" & UserName & "'"

CmdUpdateRecord.Open SQLSV, DataConn, 1, 3
CmdUpdateRecord2.Open SQLSC, DataConn, 1, 3

' This retrieves the CustomerID from the Customer table for the user that is logged in.
CustomerID = CmdUpdateRecord2.Fields("CustomerID")

SQLSO = "SELECT * FROM Orders INNER JOIN OrderDetails ON Orders.OrderID =
OrderDetails.OrderID INNER JOIN Videos ON OrderDetails.VideoID =
Videos.VideoID WHERE Videos.VideoTitle='" & VideoTitle & "'"
CmdSelectRecord.Open SQLSO, DataConn, 1, 3

' This retrieves the VideoID from the Videos table for the video that was selected for
check out.
VideoID = CmdUpdateRecord.Fields("VideoID")

' This retrieves the OrderID from the Orders table for the order that was just created.
OrderID = CmdSelectRecord.Fields("OrderID")

SQLDO = "DELETE FROM Orders WHERE OrderID='" & OrderID & "'"
SQLDOD = "DELETE FROM OrderDetails WHERE OrderID='" & OrderID & "'"

' Delete the Order from the OrderDetails table.
CmdDeleteRecord2.Open SQLDOD, DataConn

' Delete the Order from the Orders table.
CmdDeleteRecord.Open SQLDO, DataConn

' CmdUpdateRecord Update
CmdUpdateRecord.Fields("CheckedOut") = CheckedOut
CmdUpdateRecord.Update

' CmdUpdateRecord2 Update
CmdUpdateRecord2.Fields("CheckOut") = CheckOut
CmdUpdateRecord2.Update

```

```
' Close the objects that are opened
CmdUpdateRecord.Close
CmdUpdateRecord2.Close
CmdSelectRecord.Close
'CmdDeleteRecord.Close
'CmdDeleteRecord2.Close
Set CmdUpdateRecord = Nothing
DataConn.Close
Set DataConn = Nothing
%>
```

```
<map NAME="NavMap">
<area SHAPE="RECT" COORDS="18,21,75,41" HREF="/jlouis_video/">
<area SHAPE="RECT" COORDS="18,63,106,80"
HREF="/jlouis_video/newuser.html">
<area SHAPE="RECT" COORDS="179,21,276,38"
HREF="/jlouis_video/checkout.asp">
<area SHAPE="RECT" COORDS="188,63,268,80" HREF="/jlouis_video/checkin.asp">
<area SHAPE="RECT" COORDS="366,21,479,42"
HREF="/jlouis_video/updateuser.asp">
<area SHAPE="RECT" COORDS="366,63,440,84" HREF="/jlouis_video/logout.asp">
<area SHAPE="RECT" COORDS="469,58,494,95" HREF="/jlouis_video/help.html">
</map>
```

```
<h1 align="center">Video Store Database Project</h1>
```

```
<center></center>
```

```
<h2 align="center">Video Checked In</h2>
<br>
```

```
<table align="center">
<tr>
<td><b>The video has been checked in successfully!</b></td>
</tr>
```

```
<tr>
<td><p><a href="/jlouis_video/checkin.asp"><b>Click here to check in another
video.</b></a></p>
<p><a href="/jlouis_video/checkout.asp"><b>Check out a video.</b></p></td>
</tr>
</table>
</body>
</html>
```

## C.12 logout.asp

```
<%  
'Clear the cookie  
Response.Cookies("uid") = ""  
  
'Redirect user to the login page  
Response.Redirect ("/jlouis_video/")  
%>
```

## References

- 1) Armstrong, Larry and Kerwin, Kathleen and Thorton, Emily. "Toyota Unbound." *Business Week*. May 1, 2000. 142-146.
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- 3) Royalty, Doug. "More Groceries Move To The Net." *Business Week*. May 1, 2000. 56.
- 4) Honeycutt, Jerry. *Using Windows NT Server 4*. Que Corporation, 1997.
- 5) Sheldon, Bob and Ethan Wilansky. *Microsoft Windows 2000 Server*. Microsoft Corporation, 2000.
- 6) Red Hat Software Incorporated. *The Complete Red Hat Linux Installation Guide 5.2*. Red Hat Software Incorporated, 1998.
- 7) Petersen, Richard. *Linux The Complete Reference*. McGraw-Hill Incorporated, 1996.
- 8) Komarinski, Mark. *Linux Companion The Essential Guide for Users and System Administrators*. Prentice-Hall Incorporated, 1996.