Dylan Zelasko

CITC 2390

Mid-Term Project

**Overview:**

My website is for ‘Doug’s Burger Shack,’ a hypothetical chain restaurant based out of Johnson City. The website has a few functionalities: an index page, a menu, a location list, and an employee only section that allows for the enrollment of Doug’s Club members as well as the search of a database of current members. There are 12 values that are kept in a database for each member.

**Domain:**

The URL for the website (I have not purchased it) would be dougsburgershack.com. It is to the point and available per Domain.com.

**Implementation:**

The website is a series of html documents that are linked through relationships to one another as well as a JavaScript document containing the various functions used by the website. The database will be stored as a CSV file that can be accessed through the webpage. The website will be made as easy as possible to deploy through Apache. I will include thorough instructions at the end of this document with instructions for deployment.

**Login Information:**

The username and password required to add members as well as check the database of members is as follows:

Username: grandpappy27

Password: welovedoug

**Images Used:**

Burger1: https://unsplash.com/photos/burger-with-lettuce-and-tomato-D4GjwNpXtV0 by Nathan Dumlao

**Deployment:**

The first step is having your Linux environment ready. The simplest method for our purposes will be a virtual machine. Please download and configure your virtual machine software of choice (VMware Workstation Pro is the one I have used for this project) as well as the most recent .iso file for Ubuntu. Once you have these, you will wish to create a new virtual machine using your .iso file. The default settings through VMware will suffice.

Once your environment is set, please open the terminal. A good hotkey for this is ctrl + alt + t. In terminal, please enter the following:

sudo apt update

sudo apt install apache2

Now that we have Apache installed, we will move the website files into the /var/www/html directory. We intend to replace the index file in this directory. Once we have the files in the proper directory, we will restart Apache with the following command:

sudo systemctl restart apache2

Once this is done, please boot your browser and enter ‘localhost’ to confirm Doug’s Burger Shack website displays. For further deployment, we will need to edit the .conf file that enables this webpage. To do so, enter the following:

cd

cd /etc/apache2/sites-available

sudo nano 000-default.conf

If for any reason this does not bring the correct file into nano editor, please type dir in the directory for the applicable file name. From here, make any changes necessary to launch the website with the correct url per your use case. This would be done with the ServerName field. Once everything is complete, please enter ctrl+s followed by ctrl+x to save and then exit the file. Repeat the command to restart Apache.

sudo systemctl restart Apache2

From here, when you enter the correct ServerName url, the website should appear. If any further issues are noted or additional assistance required, please contact me for assistance.