CIS 12
Lab Assignment 11

Part 6 of this lab requires that you completed the banking database in Lab 6. You will be using items from this lab on future labs.

Part 1 - Handling File Uploads (pg. 344)

This part will take some preparation, and possibly some server configuring. I was able to run this on my default XAMPP settings on both my Mac and my Win10 machine; no configuring necessary.

1. Ensure that your XAMPP server is running
2. Browse to http://localhost. Click on **phpinfo** link on the top right side of the page.
3. Read step 1 on page 346. Basically, what you should do is use the phpinfo page to see if your server will be able to upload files on default.
4. It's a long page, but if you were to search for the word "upload" (CTL - F in Win or CMD - F in Mac), you could scroll down to where the options are.
5. Make sure that the following options have values in them: **file_uploads, max_file_uploads, upload_max_file_size,** and **upload_tmp_dir**. If they do, you are configured. You don't have to do anything else. Skip to item 7 in this lab procedure.

file_uploads	On	On
max_file_uploads	20	20
upload_max_filesize	128M	128M
upload_tmp_dir	/Applications/XAMPP/xamppfiles/temp/	/Applications/XAMPP/xamppfiles/temp/

6. If not, then you will have to configure php.ini to configure the server. Follow steps 2 - 6 on page 346 - 348.
7. Read step 7 and refer to Picture D on page 348. You will create a folder called **uploads** and save it in the **htdocs** folder alongside **ch11** folder.
8. Ensure the permissions on the **uploads** folder gives the server access to read and write privileges. To ensure this works, set the permissions of the folder so that users, admin, and everyone can read and write to this folder.
   1. To set permissions on a Mac, right click on the uploads folder and select Get Info, as in Picture E on page 349.
   2. To set permissions on Windows 10, right click on the uploads folder and select Properties, then select the Security tab, as in Picture C on page 348.
9. Create a folder under **ch11** called **js**.
10. You will eventually be creating this hierarchy, which is slightly different than the book. (The unavailable.png file will be in the ch11 folder.) I've bolded the folders.

    htdocs —> uploads
    —> ch11 —> js —> function.js
    —> images.php
    —> show_image.php
    —> upload_image.php
    —> unavailable.png
11. Follow steps 1 - 14 on pages 351 - 355 to create **upload_image.php** (Script 11.2) file.

12. You can download and use any picture on the internet that is 512 KB or under. (Please keep it G rated) I will also provide a png file for you to use also on Canvas. Save the png files you downloaded anywhere on your computer. Upload them from that directory.
13. Using a browser, browse to **http://localhost/ch11**. Click on the **upload_image.php** file and upload a jpeg or png file to your uploads folder. **Screenshot the use of the form and the contents of the uploads folder.**

Part 2 - PHP and Javascript - Creating the JavaScript (pg. 356)

1. We are going to use JavaScript and PHP to give the webpage extra functionality. In this case, it will allow an image to pop up after a link is clicked. For this to work, ensure that you've created the hierarchy above and save the script in the **js** folder.
2. Follow steps 1 - 9 on pages 358 - 360.

Part 3 - PHP and Javascript - Creating the PHP Script (pg. 360)

1. Now we are going to code the PHP side of the script.
2. Ensure that you have either downloaded the png file on my website, or downloaded some png or jpg files <= 512 kb from the internet. You can do both if you are feeling adventurous.
3. Ensure you save these files in the **ch11** folder inside the **htdocs** folder
4. Follow steps 1 - 12 on pages 361 - 363 to create the **images.php** file.
5. Ensure you save the file in the **ch11** folder inside the **htdocs** folder as well.
6. On step 11, the author directs you to test this file you created (images.php) and view it through (upload_image.php). Using a browser, browse to **http://localhost/ch11**. Click on **images.php** and click on a link. It will error on you. That's intended. **Screenshot the error.**

Part 4 - Understanding HTTP Headers (pg. 364)

1. Follow steps 1 - 10 on pages 366 - 368 to create the file **show_image.php**
2. Ensure you save the file in the **ch11** folder inside the **htdocs** folder.
3. Using a browser, browse to **http://localhost/ch11**. Click on **images.php** and click on a link. It will now give you the image. **Screenshot the image.**

Part 5 - Date and Time Functions (pg. 370)

1. Follow steps 1 - 6 on page 372 to upgrade the **images.php** file. This will allow the link to also display the date and time on the page.
2. Using a browser, browse to **http://localhost/ch11**. Click on **images.php** and verify that the date and time displays. **Screenshot the result.**

Part 6 - Performing Transactions (Pg. 374)

1. To do this part successfully, you will need to have completed t**he banking database (Part 2 of Lab 6).** If you don't have that completed, refer to the Lab 6 module on Canvas.
2. Turn on MySQL Server.
3. Ensure that **the banking database** is populated in the server.
4. Follow steps 1 - 14 on pages 374 - 379 to create **transfer.php** file.
5. Test it in the browser. Transfer any amount, of at least $5000, from one account to another. **Screenshot this before the transfer and after the transfer.** Use whatever accounts in the

drop down menus that you want. When I did this, I transferred $5000 from David's checking to savings.