

You are expected to complete the exercise during your lab session, show your instructor your work, and submit it into D2L. If you do not finish, then submit whatever you have by 8:00 PM on the day of your lab for late marking. This will, however, cost you a deduction of 10% of the maximum mark.

## PHP

You will develop a PHP app that dynamically reads images and text files from the */images* folder then render this information into a Bootstrap 3.x table. Once you are done, you will deploy your application to Azure.

## STEPS

### STARTUP

Start by downloading and extracting a file named *php\_toon\_lab.zip*. Rename the *php\_toon\_lab* folder to *LastName\_Firstname\_php\_toon*. You will find .png, .txt and .php files in the folder.

### INSTALLING PHP AND RUNNING THE WEB SERVER

1. Extract the .zip file into a known location on your computer. On lab computers, it is suggested that you extract the .zip file into *d:\work\php*.
2. Start the web server: `php.exe -S localhost:8888`

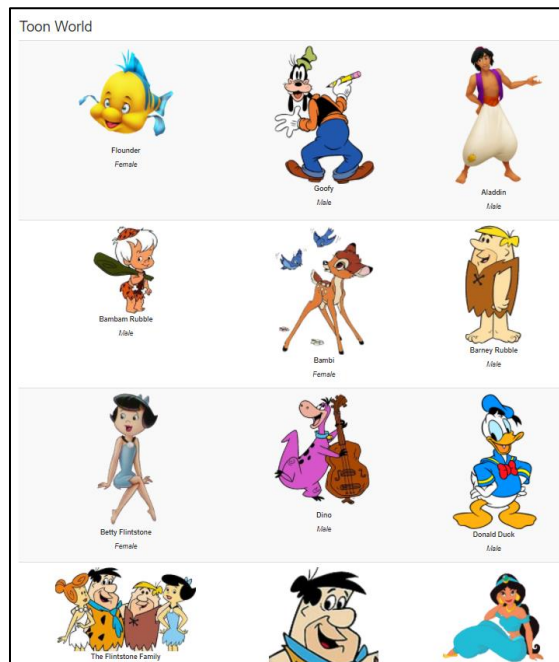
You should see that the web server is started and listening for requests on port 8888. Minimize the command line window and keep it running.

3. In a browser, browse to *http://localhost:8888/index.php*. You should see the following:



4. Add a link to the bootstrap 3.x library to *index.php*.
5. In the */images* folder each toon character has an image file (example: *aladdin.png*) and a text file with the name of the image filename followed by .txt (example: *aladdin.png.txt*) that contains the name and gender of the cartoon character.

6. For each cartoon character, display the image, name and gender in a 3-columns bootstrap table as shown below:



7. After you have determined that the application works to your satisfaction, you will deploy the website to Azure.

Read the following article for instructions on how to deploy a web app from a local Git repository on your computer to a remote Git repository on Azure.

[Deploying web apps to Azure using Git](#)

#### SUBMISSION

- Show the deployed website to the lab instructor who will give you a mark on the spot.
- Zip all the files comprising your web site to filename *LastName\_FirstName\_set\_week09.zip*. (Example: Doe\_Jane\_1B\_week09.zip) and upload it to the Week-09 dropbox in D2L.
- While submitting your solution to D2L's dropbox, you must indicate the URL of your deployed site inside a D2L dropbox comment.

#### HINTS:

- Find out more about the *glob* command in PHP to help you filter files by extensions
- The PHP *file\_get\_contents* command reads the content of a text file.
- The *explode* PHP command can help you parse a comma separated file

## MARKING GUIDE

COMP1536 PHP/Azure lab exercise marking guide:

Name \_\_\_\_\_ Set \_\_\_\_\_

| Task  | Max Mark | Actual Mark |
|---|----------|-------------|
| Images and files are being read from /images folder and rendered on web page. | 3        |             |
| Cartoon characters are neatly displayed in a Bootstrap 3.x table              | 2        |             |
| Website is deployed to Azure  | 5        |             |
| TOTAL:  | 10       |             |