Portfolio Project

Getting started

Having worked with GitHub desktop in class I was somewhat familiar with this tool. Never the less when starting this project I set out completing a starter course in Git on codecademy. This helped to refresh my memory of the common commands used on the Git command line interface. Next I watched some short tutorials on Youtube which demonstrate how to link your local repository to a remote repository on github.com. These tutorials where also helpful later in the project when I needed to fall back to a pervious commit using git log and git reset commands.

Navigating the site

At the top of each page there is a Navigation bar with a link to the home page on the left, an external link to my linkedin profile and to the right a drop down menu to each of the six module webpage’s. These are also listed in the body of the home page. Some module pages have a link to a labs webpage, Assessments and a Project. Some labs are displayed at the bottom of the page while others have their own webpage with a link at the top leading back to the modules main lab page. Some assessments are displayed on the website while others are linked to my GitHub account where they are shared to the public to download. This is the same for the projects.

How my repository is structured

For this repository I created the root folder ‘**Git-Repository-Proj**’ and stored my main web pages here as php files. These include the index (home) page and the six module pages, three modules each for semester one and two. Also this report and the CSS style sheet for the main pages are located here. Below is a breakdown of all the other sub folders and the website structure;

**Includes**:

In this folder the repeated HTML for the main web pages, Header/index/footer is located here. These files are called within the home and module php files. This was to not only have a more efficient code design but to keep a similar feel and look when a user navigates through the different pages.

**labSem1/labSem2:**

For the course Labs I created two folders, one for each semester. Semester one has labs for ‘Introduction to Web Programming’ and ‘Cross Platform Mobile Application Development’. Semester two has labs for modules ‘Web Application Development’ and ‘Integrated Mobile Application Development’.

Each folder contains two php files for the different modules lab webpage, lab txt files and the PDF’s for the labs. Also there are sub folders in each for the labs JS, CSS, images and HTML files which are added to the bottom of the main labs web page when a lab is selected or loaded as a new webpage with a return link on top.

Some PDF files for projects in Semester one and two are also located here. One SQL file for the database labs is available in labSem2 folder to download.

**Shop:**

Module ‘Introduction to Web Programming’ contains the sports shop assignment. This is a simple website with some pages to list different items a shop would have for sale. Not function is added to the site. The purpose was to show design and style to a multi page website.

**recipeWebsite:**

The Fine foods recipe website was a project at end of semester one for the module ‘Introduction to Web Programming’. Like the sports shop website this had also to include some external sites and page where a user can add items to a cart. It also had to be responsive so bootstrap was used.

**WebDevAssessments:**

The assessments in module ‘Web Application Development’ are contained in this folder. This includes the PDF’s, HTML and sub folders for JS, CSS and data files. The first assessment is adding a names object to local storage. The second is using AJAX to pull data from a json file and displaying it on a webpage. For the seasons labs an AJAX request was sent to an external address and the data was displayed with some animation style.

**AppDev2Assessments:**

The assessments in module ‘Integrated Mobile Application Development’ is contained here but just the PDF for the NASA assessment as the files are located on Github. This was an ionic application which pulled and displayed images and data from NASA’s API for picture of the day. Depending on the user input a set amount of days is set and then the data for each is retrieved.

**OnlineReminder:**

For the module ‘Integrated Mobile Application Development’ in semester one there was a project to create an Ionic application where user data is stored on an external json website. This is stored on my Github acc so only the PDF is stored in this folder.

**CarPartsDatabase:**

This folder contains all the PDF’s for the project in module ‘Database Technologies’ in semester two. The SQL used to create the database is located within the report. I had to design a relational database and populate it with some real world data. I then tested each of Codds rules against the database.

Other projects/assignments contained in the portfolio

There are links to other projects and assignments, some located on GitHub, which were not mentioned above. These include;

**Shopping tracker Assignment:**

Ionic application built as a group assignment. A list of food items which are assigned a price can be added or removed from a shopping list. A total of the order is displayed and a list of each items count on another page.

**Recipe project on Ionic:**

Designed on ionic for android is a application based on displaying recipes for dinner, lunch and dessert. With the use of a side menu some functionality is added to the user to add more items to edit items in a list, view the phones photo album, add lunch items with new picture from camera and a calculator to cover Grams to Oz.

**Fine Foods At Home:**

Located in semester two module ‘Web Application Development’ is a final year project based on the recipe website from semester one. Here a database is created for the website and used to store user accounts for login and to store orders which can be made on the website.

**Virtual Machine Setup Assignment:**

Located in the labSem1 folder is two reports for module ‘System and Network Technologies’ in semester one. Using VMware and Azure a windows and Ubuntu server were created. The steps for each were documented in the reports. Some batch jobs were created and scheduled to run for each server. The output for this was then sent via a file by email to a designated email address.

Thoughts on GitHub

I found developing a project on Git was easy to implement and a very valuable resource as a fall back when an error was made and you wanted to rollback to a certain point in the project. Early into the development of the portfolio one such error was made and from viewing the Git logs I was able to fall back to a specific point in my project. This also compounded the need to be descriptive in the commit messages.