**PROFESSIONAL PORTFOLIO REPORT**

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**Project uploaded and shared on GitHub (28th August 2017)**

1. **What I did to get started on GitHub**

I was somewhat a bit familar with GitHub, and had previously uploaded and committed files and folders. I researched GitHub on wikipedia.org and found fascinating facts. GitHub is a web-based [Git](https://en.wikipedia.org/wiki/Git) or [version control repository](https://en.wikipedia.org/wiki/Repository_%28version_control%29) and [Internet hosting service](https://en.wikipedia.org/wiki/Internet_hosting_service). It is mostly used for code. It offers all of the [distributed version control](https://en.wikipedia.org/wiki/Distributed_version_control) and [source code management](https://en.wikipedia.org/wiki/Source_code_management) (SCM) functionality of Git as well as adding its own features. It provides [access control](https://en.wikipedia.org/wiki/Access_control) and several collaboration features such as [bug tracking](https://en.wikipedia.org/wiki/Bug_tracking_system), [feature requests](https://en.wikipedia.org/wiki/Software_feature), [task management](https://en.wikipedia.org/wiki/Task_management), and [wikis](https://en.wikipedia.org/wiki/Wiki)

The site provides [social networking](https://en.wikipedia.org/wiki/Social_networking)-like functions such as feeds, followers, wikis (using [wiki software](https://en.wikipedia.org/wiki/Wiki_software) called [Gollum](https://en.wikipedia.org/wiki/Gollum_Wiki)) and a [social network graph](https://en.wikipedia.org/wiki/Collaboration_graph) to display how developers work on their versions ("[forks](https://en.wikipedia.org/wiki/Fork_%28software_development%29)") of a repository and what fork (and branch within that fork) is newest. A user must create an account in order to contribute content to the site, but public repositories can be browsed and downloaded by anyone. With a registered user account, users are able to discuss, manage, create repositories, submit contributions to others' repositories, and [review changes to code](https://en.wikipedia.org/wiki/Code_review). GitHub is mostly used for code.

\*\*Please note: In order to upload Portfolio Website (zipped) to GitHub, I did the following:-

I created a repository and after cloning repository I simply used $ git add . and $ git commit - "Add existing file" and $ git push origin master to upload the COMPLETE portfolio website

This project can be easily deployed on WAMP web server. Just create 2 files (1) 'Professional Portfolio Project', and a sub-directory (2) 'Portfolio Website'. Then in 'Portfolio Website' directory include all the folders in the zipped portfolio website, and when it's finished, put the created folder 'Professional Portfolio Project' (which contained sub folders and files) into www folder in WAMP directory on your computer - **PLEASE SEE SCREENSHOT BELOW**. I've made all the hyperlink references so that this website should run smoothly, and those labs that require a server (AJA, PHP, etc), have hyperlinks containing 'http://localhost/....etc, etc'.

The path which contains the project should look like this:-

c:/wamp64/www/Professional Portfolio Project/Portfolio Website

(or)

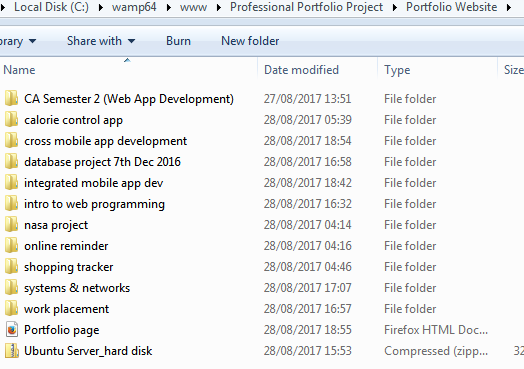
http:/localhost/ Professional Portfolio Project/Portfolio Website

I’ve used localhost/...in hyperlinks throughout the project for those pages which require WAMP web server to load. WAMP server is essential to be able to view this project and I hope the instructions above on how to set it up are helpful.

1. **Structure of my repository and descriptive summary of projects included**

This report is for the Professional Portfolio requirement for BSc Web Technologies & Prgoramming, GMIT, Galway. It is in place of work experience, and is deemed an equivalent professional alternative to work experience. This project and report will be uploaded on GitHub and shared with academic staff at GMIT.

The snapshot below is the structure of my files. Currently they are in my local host directory (WAMP64), under www, then under /Professional Portfolio Project/Portfolio Website. The full path on my computer is **c:/wamp64/www/Professional Portfolio Project/Portfolio Website** – then the directories as detailed below. In each of the folders as seen below, there are other sub files. I will list them accordingly.



**CA Semester 2 (Web App Development)**

There are 13 subfolders in above folder (week 1 to week 13) also PDF doc (Intro to Module Topics and Assessments). With each week 1,2,3,....13, there are further sub-files which should be self apparent. CA stands for continuous assessment and for the above, I listed every lab in that module (ie) Web App Development. These folders are all linked in the module website, to connect to labs completed and PDF’s. They are merely stored in above folder. This project needs to be run on WAMP server, to access certain labs (ie) AJAX & PHP labs. The folders are divided into 13 weeks covering advanced areas in web programming, such as Javascript Objects, Literal Notation, Constructor Notation, Multiple Objects, Javascript Events, Event Listeners, creating event on parent node to demonstrate event delegation, Javascript Exception Handling, JSON formatted stored value in Javascript, AJAX, JSONP, JQuery, PHP.

**calorie control app**

Consists of www folder (with index.htm, js, css, and other sub files). This is an ionic app project, that allows a user to input daily calories and calculates min, average & maximum calories for each meal. There is a description on the module website, when it is run on WAMP server.

**cross mobile app development**

This folder contains numerous files from above module completed in Semester 1, such as HTML DOM, Ionic & Git installation, MVC, etc. All links are in module website (main page is Portfolio page.html). Links to all folders outlined here are contained on this page.

**database project 7th Dec 2016**

This folder also contains files (ie) car\_parts - SQL script .sql, report for database project, module descriptor, sql queries (DELETE, INSERT, SELECT, UPDATE).

**integrated mobile app dev**

This folder contains numerous labs and lectures (Ionic, Angular JS, Services, Routing, Transmitting Data, etc).

**intro to web programming**

This folder contains files relating to 1st Semester introduction to Web Programming (bootstrap, Javascript, CSS, etc.

**nasa project**

This folder contains the www files for this ionic mobile app (with images taken from NASA Satellite for NASA Astrology Picture of the Day. It also contains the specification for the project.

**online reminder**

This folder contains the www files for this ionic mobile app (which is a JSONBLOB API single online reminder, where a user can input data into the fields, which is either saved, deleted or retained. Once deleted it is deleted from JSONBLOB also. Two hidden fields (date created and time created) appear on JSONBLOB when the reminder is saved.

**shopping tracker**

This folder contains the www files for this ionic shopping tracker app, using angular JS. A user adds from a pre-defined list of groceries on the app (with prices) and clicks add. The total amount is calculated on separate page after items placed in basket.

**systems & networks**

This folder contains labs from both computer systems and networks, including how to schedule a task in Linux, creating a virtual server in Azure, creating a shell script, assignments, etc.

**work placement**

This folder contains the module descriptor. In place of finding work place, THIS professional portfolio project is deemed equivalent.

**Portfolio page**

This is the main portfolio page.html, from which everything should be run. It is the ‘hub’ of the project and contains all links to labs, lectures, other folders, etc.

**Ubuntu Server\_hard disk**

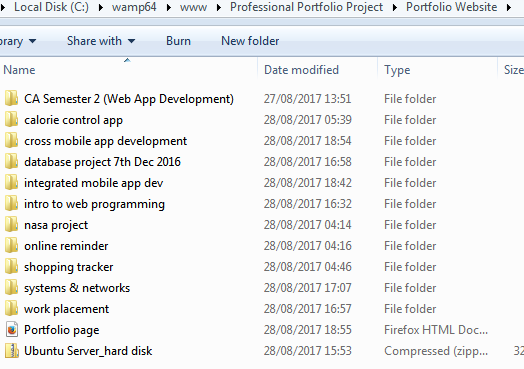
This is a instance of virtual hypervisor, which was for a Build Linux System using Oracle Virtual Box. It’s a zipped file and can be unzipped and downloaded.

3. **Deploying this project onto a web server**

The instructions for deploying this project are as follows:**-**

1. Must have WAMP server installed.
2. Unzip the file which contains this project on GitHub to the www folder in WAMP server (ie) if you are using WAMP64, unzip and download this project into the www folder.
3. Create the following path (sub folders) before copying the project:-

**c:/wamp64/www/Professional Portfolio Project/Portfolio Website**



1. The above files should be imported into ‘Portfolio Website’ and ‘Portfolio page.html should appear in between all the folders, just as in the snapshot above. Click on Portfolio page.html to navigate to all the pages, as this is the page which contains all the links to everything else.