Practical Lab Exercises
Lab- Introduction

Web Programming (F28WP)

Introduction

In this lab, you'll get started with the course by familiarizing yourself with key concepts (including revising principles and practices introduce in F27WD)

1.0 GitHub

Tasks:

- Work through the various exercises for GitHub to familiarize yourself with working with GitHub (e.g., understanding essentials of version control, hello world, forking, creating readme for repository, tracking statistics for a repository).

    - https://guides.github.com

- Essential abilities include:
    - Create, clone and update a repository on GitHub
    - Clone the repository locally on different machines
    - Work with others on shared files (e.g., handle file change conflicts/out of date repositories)

- Work with friends to familiarize yourself with working with others
- Try cloning a different public repository from GitHub (e.g., https://github.com/nodejs/node)
- Look at the GitHub statistics for your and other repositories on GitHub (e.g., number of commits, which lines changed, how often, …)

2.0 Team Work

Essential you're comfortable with GitHub and able to work with others as the coursework requires you to manage a complex web programming project as a team (i.e., 3-5 people).

Think about who you want to work with – as next week you'll need to let the lecturer know who your teams and the details for your project (e.g., repository names, usernames, aims/goals, plan, ..).

3.0 University Domain (http://www2.macs.hw.ac.uk/~studentID/index.html)

Check you're able to access your 'H' drive, which should have a 'public_html' folder. This folder is mapped to 'www2.macs.hw.ac.uk/~studentID'. Create a test html file (e.g., index.html) and add it to your public folder to ensure you're able to see your file in the web browser.

You'll use this folder as a means to test out examples and resources in future labs, including your coursework.