*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](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  + Work with others on shared files (e.g., handle file change conflicts/out of date repositories)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.