



# ASSIGNMENT 1

## Git and GitHub

(handout for students)

### Total: 28 marks

This Git, GitHub, assignment **is creative**. We will look for and mark:

1. Good use of Git and GitHub
2. Good code practices (e.g. comments, formatting, consistent capitalisation, naming, etc.)
3. Creativity that is taken to implement the answer

Total marks will be awarded for demonstrating concepts fully, there will be partial marks available for attempts.

### There is one questions to this assignment:

1. Using Git and GitHub

### What to submit:

Share a **link** to the GitHub repository for this assignment via Slack, **and** add your assigned instructor as a collaborator to this repository.

### Top tips:

- Start early
- Read all requirements carefully before starting
- Check the mark distributions as provided below

## Question 1: Using Git and GitHub

**Set up GitHub accounts for yourself and create a repository for you to work in.** Demonstrate Git and GitHub usage for collaborative projects using pull requests, reviews and more!

**Make sure to add your assigned instructor as a collaborator to your individual repository for marking and review purposes.**

Marks:

A. Demonstration of setting up GitHub and use of README (14 marks)

B. Knowledge and demonstrated use of GitHub commands (14 marks)

You should:

- + Create a **GitHub account**
- + Create a **private repository** for this assignment, name it *CFG-Assignments*, this repository will be used for the rest of your CFGDegree Foundation Module Assignments.
- + Create a **README.md file** that contains useful information about you, your previous CFGdegree projects, or what you'll be using GitHub for in this assignment.
- + Use at least **6 different markdown** text formatting **features**. See: [Basic writing and formatting syntax](#)
- + With a file(s) of your choice, demonstrate the following:
  - Checking the status
  - Creating a branch
  - Adding files to a branch
  - Adding commits with meaningful messages
  - Opening a pull request
  - Merging and deploying to main branch

If needed, take screenshots of the process and add to your README file.

- + Create **.gitignore** (can be empty) and briefly explain what it is for
- + Create **requirements.txt** (can be empty) and briefly explain what it is for