**Portfolio**

**User Stories**

I contributed to many user stories in the groups planning stages of our project. An example of four of these which I was responsible for are available in the document “User Stories”. I came up with stories which were analysed by the group and edited when needed, I then came up with a list of testable Acceptance Criteria for each story. Stories were given a priority based on Must-Have, Should-Have, Could-Have, Won’t-Have, and were assigned story points by a game of planning poker which I participated in for all stories. I led most or all discussions with our client/developer partner group when critiquing and seeking approval of our sprint plan and stories.

**Server and database setup**

In the group I was solely responsible for setting up and Amazon EC2 Server. I set up a LAMP Stack on the server and installed Mysql and Github ready for the team to use. I also initially set up our database and tables using the initial designs and statements which can be found in the file “Database Design”. This file also contains some information about changes that I have made to the tables since their initial creation.

**Code for Downloading**

The main Story and subtasks I completed during Sprint 1 of Release 1 was centred around downloading files. For this I worked between two php files (which has now become three) which are included: “directory.php”, “directory\_header.php”, “download\_functions.php”.  
In download\_functions I created two main functions: One which will download a file and one which will check to make sure a user owns the file. This second function works but isn’t yet used when download, as while I am writing this user sessions and logins don’t exist.

In directory and directory\_header I simply handled what happens when a user clicks to download a file and passed my download functions the filename and location of the selected file. This was done to work with the code James had already created for directory, and directory\_header. (Credit to James for creating those files and most of the code in them)

**Testing**

Testing code was done both manually and automated. Using Selenium was new for me and I had some issues in the process. I planned to test functionality of different stories based on their acceptance criteria and recorded the steps that should work to fill the criteria and demonstrate the main goal of the stories. I have a Selenium test Suite and five test cases in a folder called “Testing”, each of these should be names relevantly. Tests for Signing up and logging in were straight forward but I was challenged to properly test the action of uploading and downloading files due to file locations being different between different computers that I attempted the test on which I tried to get around by using a file called test.txt which had to be present in C drive. Selenium is proving very useful but I am still grasping it and only half my tests have been truly useful and repeatable for the project so far.