

Appendix B. Work Plan

Week 1-2, 26 January 2015.

- Meeting to discuss initial plan
- Background research
 - Research on similar open-source projects and FTPS client projects on different platforms and languages
 - Research on existing solutions to solve conflicts when synchronised client offline for a long time, and 2 or more client update at the same time.
 - Conduct requirement analysis for each component of the system and document these requirements. Design the functionality of the system.
 - Research on IDE features and how to use them.
- Work on android samples code
- Implementation (Android)
 - basic FTPS connection for uploading and downloading files.
- Milestone: Submit Initial Plan, 2 February

Week 3-4, 9 February 2015.

- Understanding the way relevant Android API works and try different functions which will be used in the Android application
- Implementation (Android)
 - Selection of directories to be synchronise
 - Comparing two file directories.
- Implementation (Desktop)
 - basic FTPS connection for uploading and downloading files.
- Design the user interfaces for the application, taking into account the usability features researched, by creating a non-functional prototype of each view.
- Create use cases to model interactions between the user and different system components.
- Create a class diagram to model structure of the system.
- Milestone: Design phase complete.

Week 5-6, 23 February 2015.

- Implementation (Android)
 - Handling conflicts when two file update at the same time.
 - Handling user offline for a long time.
 - Application interfaces.
- Implementation (Desktop)
 - Selection of directories to be synchronise
 - Comparing two file directories.
 - Application interfaces.
- Milestone: complete manually synchronous files with FTPS server

Week 7, 9 March 2015.

- Buffer week, allowing time for the unexpected.
- Project progress review meeting

Week 8, 16 March 2015.

- Implementation (Android)
 - synchronous in background.
- Implementation (Desktop)
 - Handling conflicts when two file update at the same time.
 - Handling user offline for a long time.
 - synchronous in background.
- Complete all the layouts and designs for both mobile and desktop applications.
- Milestone: Implementation phase complete.

Week 9, 23 March 2015.

- Refine and test the application. (Ongoing)
- Produce test cases based on the requirements specified and the intended functionality.
- Conduct the testing using the test cases created.

Easter Recess, 30 March 2015.

Week 10-12, 20 April 2015.

- Project progress review meeting
- Evaluate the system using results from testing.
- Report writing (Ongoing)
 - Draft design of the application
 - Implementation approaches for the application
 - Testing application results
 - Identify and document future improvements.
 - Write up reflection of project and finalise report.
 - Complete code of the application
- Milestone: Submit Final Report, 5 May, and Project VIVA.