

# The Future Workplace - ATOS

Previously, we were developing the application by using swift, and we worked on it more than a week. However, it seemed too complicated and very difficult to work on, so we asked Graham Roberts for help, and then in our lab sessions our TAs suggested us to use Apache Cordova instead. Therefore, we switched the platform from Swift to PhoneGap which is a distribution of Apache Cordova for building mobile applications. As we changed the platform, we had very little time left, so it was hard to finish the PoC design completely.

For building the application, we did a research on HTML, jQuery, jQuery Mobile and CSS languages in order to get an overview about them. Then we began to implement our knowledge to develop the first prototype. For the prototype, we started to make 'Teams', 'Add a team', 'News Feed', 'To do list', 'Messages', and 'Feeling' pages, although they are not completely done because of the time limit. So, we plan to complete all of them in the next term, as well as add all the features we were asked to include in the application.

In order to enable the source code to be seen and updated by both team members, Github is used to create a git repository. This will make it easy to edit each other's parts in the development of the application, to add changes and help each other to build the application much faster and easier.

Moreover, during the lab session our TAs told us that we were supposed to present all the requirements and some of the use cases. So, we made a table of functional and non-functional requirements by categorising them and as well as displaying their priorities. Also, we created 3 use cases to show some particular functions of the application in a right way. In addition, we made a Gantt Chart to display the progress of our team during this term period.

As one of our project deliverables for the end of this term was to submit our website link, we filled all the contents of our website and updated some of the previous ones. In addition, the

second deliverable was the group video, so we made a video which included the most important information about our project and research.

**Tasks completed during these 2 weeks:**

- Finalised all the requirements by presenting them in tables with categories and priorities
- Created 3 written use cases to show some of the features of our application
- Updated the website and added more contents to it
- Built the first prototype
- Made the group video
- Did a research about the languages HTML, jQuery Mobile, CSS, jQuery for developing the application
- Created a git repository in Github
- Created a Gantt Chart to show the project progress

The part Laman did was to write the final bi-weekly report. Also she did a research about the languages supposed to be used and then worked on the 'Teams' and 'Add a team' pages of the application. She presented all the functional and non-functional requirements with their categories and priorities, and created 3 use cases which show different features of the application. Also, she made the group video with Nathalie's help which was one of our project deliverables, and which displays all the main things we have completed this term.

The part Nathalie did was to organise the last part of the project and get everything on track. She has gathered all information and put it into the website, building it with a bootstrap template. She put all the functional and non-functional requirements that Laman gathered into tables and added all

the plans we had for this term. Plans for next term is yet to be completed. She has also created a git repository in Github for sharing the code we will create in the future. This will make it easier for both to see updates, changes and track errors in the code. We can also merge the code together using Github. She has also created the finalised Gantt Chart which has shown the process of the project during the last three months. The chart shows which elements that are completed and which elements that are in process. The elements that still are in process are the finalised version of the prototype as there was little time in the end because we had to change the source code we initially started with. She has also helped Laman create the video including filming and editing. In the video we represented the project, requirements and sketches of the prototype.