



Lightweight Start-up Company Kit

CS Team 10 Bi-Weekly Report
COMP204P – Software Engineering
16/12/2016

Team 10

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Overview

The team over the last fortnight, has made significant progress on the project, now that the requirements have been negotiated during the last fortnight. The requirements have now also been sorted using the FURPS framework, so categorised using Functionality, Usability, Reliability, Performance and Supportability. Along with the requirements, we developed use cases for the software which has allowed us to start looking at the possible architecture and design of the extension as well as the experimentations and prototyping.

With the experimentations, we have started to make some of the basic features and testing them out such as copying snippets of code which the use has highlighted into a separate file and also generating a simple HTML file.

Finally, we have also been looking more into research of technologies which are available for us to use, the types of testing that we should use as well as the frameworks that should be used with the technologies and languages that we wish to use.

Meetings

Due to Scenario Week 4, we didn't hold any meetings between the 12th of December and the 16th of December. Although we did talk over Slack.

02/12/2016 – 7:00pm

Place: Skype

Outline: Splitting up experimentation

Attendees: Sam Pham, Javier Mesa

In this meeting, we just discussed about what experiments we should do for this project and who would be handling them. And so allocated work on writing up content for the website and further research into technologies we could use.

06/12/2016 – 2:00pm

Place: Malet Place 1.05

Outline: Demonstrate the website to the TA and ask questions

Attendees: Javier Mesa, Sam Pham and Saheed Busari

For this meeting we talked with our TA. Showing him our website and asking him what else should we add. Also we talked about how prototypes and how we should approach them.

09/12/2016 – 1:00pm

Place: Science Library

Outline: Discuss mock-ups and architecture

Attendees: Javier Mesa, Sam Pham

During this meeting, we discussed the mock-ups we came up with for the extension and the website, giving suggestions for improvements on each other's design. We also talked about the architecture of the software with the help of the use cases we made earlier.

Complete Tasks

Below is a list of completed tasks:

- Come up with the final design of the website and updated its content with the latest materials that the team had produced
- Research on possible technologies and frameworks that can be incorporated into the project
- Further development of the website and including redone and new content
- Some experimentations have been done
- Designing and proof of concepts for the project has been partly done as well as prototyping

Although we have made significant progress on the project, we are not happy with where we are with it. The content of the website wasn't complete and up to the standard that we would've hoped it to be, but then it was to be expected as there were only two members in the team and the delayed negotiating of requirements. We will try to catch up and update the website over the Christmas break.

Individual Reports

Sam Pham

Since the last bi-weekly report, I been working mainly on the website. Making it look more unique and less bland that it was before. I've also been updating and adding content to the website. I created the content such as use cases and the FURPS categorisation of the requirements. Along with this, I have also been looking into other technologies we can use such as Powershell, Ace editor and NUnit. I have also created some mock ups of what the generated website could potentially look like and experimented with VS extensions to generate HTML pages.

Javier Pasual Mesa

During the past two weeks I have been working on writing up some parts of the website, making the logo for the website and drawing flow diagrams which show how the extension we are developing will ideally work. On top of this, I have been creating mockups of what the final application will look like in Photoshop. I developed the prototype for our extension, which currently has the functionality of making files and saving code selected by the user to them. Additionally, brief descriptions can be added to these snippets, and sections of code selections can also be created. In order to develop this I had to carry out research on some basic C# and how VSIX extensions work in Visual Studio.

In the Next Two Weeks

Over the next two weeks, we hope to further continue our research and experimentation on the project. At the same time add more content and improve current content on the website to bring it up to the standard we expect.

So the following team meetings over the next two weeks with probably include the following:

- Continue to research possible technologies and frameworks we can use
- Further experimentation, revisions and discussions of the prototype
- Catch up and update the website