System Engineering Bi-Weekly Report 2

Project title: Hospital Surveys

Team Number: 17

Team Members: Min Yen Lau, Bahdan Kapionkin, Shengtong Jiang

Date: 12 November 2019 – 6 December 2019

Report Overview:

Over the course of these two weeks, the list of requirements for the project have been finalized, and research on the possible frameworks to be used on the web app was done. We used this time to understand exactly what the clients have requested, through meetings and the reading examples provided by the client.

List of tasks completed:

Week 1 & 2 (11 Nov – 23 Nov):

Task Category	Description	Priority	Status
Client Meeting	Arranged a meeting with clients (GOSH Drive) on the 23rd of November, to update the clients on the progress of our project.	High	**Completed**
Reading Examples - Homework	We went through the reading examples provided by our client. These are sample questionnaire forms that are done by pen and paper, to be modelled by our questionnaire web-app.	Medium	**Completed**
Related Projects - Research	We did some research on Google Forms and Survey Monkey, which are closely related to our project.	Medium	**Completed**

Week 3 & 4 (24 Nov – 6 Dec):

Task Category	Description	Priority	Status
Gathering User Requirements - Finalized	After discussing with clients through email, we managed to finalize the MoSCoW list of requirements for the project, as shown below.	High	**Completed**
Frameworks - Research	Did research on various back-end frameworks to possibly use, e.g. Django, Flask, as well as front-end frameworks e.g. Vue, React, Angular.	Low	**Completed**

MoSCoW List of Requirements:

Must Have	• Designed as a Progressive Web App to allow completion of questionnaires using tablets and phones. • Admin panel for GOSH staff to create and manage multiple questionnaires. • Page that provides patients access to questionnaires. • Database to store answers from questionnaires. • Hosted on Heroku.
Should Have	• Separate questionnaires for inpatients and outpatients. • Simple design and UI for patients answering questionnaires. • Acceptance of different types of answers for the questionnaire designs e.g. drop-down, MCQ, sliders, text.
Could Have	• Different UI designs for different patient age groups answering questionnaires. • Statistics to analyse the answers obtained from questionnaires. • Trends to analyse responses over time.
Won't Have	• Log-in system for patients answering questionnaires. • Multilingual surveys.

Estimate if project is running on time: Yes

Plan for the next two weeks:

- Finalize the frameworks to be used for our web-app.
- Hands on attempt on Django and React, to start building on our prototypes.
- Start working on deliverables 1, which is due next term.