

System Engineering Bi-Weekly Report

Project title: Hospital Surveys

Team Number: 17

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Date: 13 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 (13 Nov – 23 Nov):

- Arranged a meeting with clients (GOSH Drive) on the 23rd of November, to update the clients on the progress of our project.
- Discussed about the various possible front-end and back-end frameworks to be used by our questionnaire web-app.
- Went through the reading examples provided by the client of sample questionnaire forms that are done by paper forms, to be modelled by our questionnaire web-app.

Week 3 & 4 (24 Nov – 6 Dec):

- 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.
- After discussing with clients through email, we managed to finalize the MoSCoW list of requirements for the project, as shown below.

Must Have	<ul style="list-style-type: none">• Admin panel for GOSH staff to create and manage multiple questionnaires.• Designed as a Progressive Web App to allow completion of questionnaires using tablets and phones.• Acceptance of different types of answers for the questionnaire designs e.g. drop-down, MCQ, sliders, text.• Database to store answers from questionnaires.• Hosted on Heroku
Should Have	<ul style="list-style-type: none">• Separate questionnaire designs for inpatients and outpatients.• Simple design and UI for patients answering questionnaires.

Could Have	<ul style="list-style-type: none"> • Different UI designs for different patient age groups answering questionnaires. • Statistics to analyse the answers obtained from questionnaires e.g. trends, patterns, etc.
Won't Have	<ul style="list-style-type: none"> • 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 these frameworks, to start building on our prototypes.