# COMP0016 Systems Engineering Bi-Weekly Report 6

**Project Title:** Hospital Surveys

**Team Number:** 17

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

**Date:** 28 February 2020 – 13 March 2020

## Report Overview:

For these two weeks, we continuously add functionalities into our website, mostly about statistical things, like the bar charts showing the average age of patients. Therefore, some api is required to return useful information for front end to do the statistics, front-end views showing the statics is also needed.

## List of Tasks Completed:

| Task Category | Description | Priority | Status |
|---|---|---|---|
| Web-app Hosting | We have hosted the React front-end and Django back-end on Heroku over the same server, by specifying various configurations on the back-end and using a Procfile. | High | **Completed** |
| Django back-end REST API | Finished Django back-end REST API endpoints for viewing, editing questionnaires, as well as endpoints for answering questionnaires. | High | **Completed** |
| React front-end Admin Panel | **Users can now use a fully functioning admin panel front-end to edit and manage questionnaires.** | High | **Completed** |
| Django research – authentication | Did research on Django authentication to help with user authentication. We looked into libraries such as Django rest-auth / all-auth for token based authentication. | Medium | **Completed** |
| React research – authentication | Did research on React Redux in order to store the token from the Django backend after user logs in into the web-app. | Medium | **Completed** |

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|---|---|---|---|
| Back-end api returning patient information | Information include average age of patient answering the questionnaire, age range of questionnaire, date that questionnaires are completed | Medium | **Completed** |
| Front-end web-page showing the result of statics | Charts showing the analysis of information, include line charts, bar charts. | Medium | **Completed** |

## Estimate if project is running on time: Yes

## Problems from the Last Report:

| Problem | Description | Priority | Status |
|---|---|---|---|
| CORS issue for web-app hosting | It was difficult to host the web-app on different servers due to CORS policy. | High | **Resolved** |
| Questionnaire choices cannot be edited yet. | The back-end REST API endpoints for editing questionnaires was not implemented yet. | High | **Resolved** |
| Questionnaire responses still cannot be posted. | The back-end REST API endpoints for posting questionnaire answers was not ready, and the React front-end was also not ready as well. | Medium | **Resolved** |
| The admin panel is still unsecure | There is still no log in system for admins to log into the admin panel. Thus, we are planning to implement user authentication. | Medium | **Resolved** |

## Problems to be solved before the next report:

## Plan for the next two weeks:

- Finish the report website.
- Prepare the final presentation.
- Record the video presenting functionalities.