

# Systems Engineering - Team 38

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## Overview

The past two weeks we have mainly focused on two main tasks. Firstly, we have started development, working in HTML5, CSS3 and AngularJS. The skeleton of the front-end is finished, and styling elements have been applied with HTML and CSS. The web-app is responsive and offers smooth transitions, task accomplished using AngularJS routing. In terms of the specific parts of the application we have developed further, the front-end of the home screen is ready, and progress is being made on the cluster overview page. As we haven't yet implemented database logic, these two views are currently being developed using mock-up AngularJS objects, that would need to be fed into the UI using SQL queries, rather than being hard-coded into the system. At the same time, we have developed a basic signup / login screen.

Secondly, another portion of our time was dedicated to the elevator pitch. We created the slides and synchronised with the other teams during our meeting, created a script for the pitch and delivered it on Thursday morning. We made sure to keep our client up to date with the progress made with our elevator pitch by running them through the it during the meeting. We have accommodated their suggestions into our final slides and presentation.

## Meetings

**TUESDAY, 26 JANUARY 2016**

In this meeting, we ran through the initial product we have since we started coding, showing the progress to our client so that he can check if this is what he had in mind, and also get feedback and suggestions to add to our code. Besides that, we also showed him the slides for elevator pitch and ran him through what we planned to say. We made some amendments according to his suggestions.

## Goals for the next two weeks

- Synchronise with teams 39 and 40 about database APIs.
- Create a basic database system for the main functionality.
- Create database logic for the login page.
- Link up database with front-end.
- Continue developing the front-end of the other sections.

## Individual Section

### **RALUCA VACARU**

During the past weeks, I mostly worked on the main application. In terms of functionality, I created AngularJS mock-up objects and integrated them into the UI using Angular-specific HTML tags, routing and event handling, both for the homepage and for the cluster overview. In terms of interfaces, I have written all the HTML mark-ups and CSS styling for the app. I am currently reading more in depth about different JavaScript libraries that handle presenting information in graphic ways, such as pie charts, in order to start working on the 3D version of the cluster overview. I also wrote the script for the elevator pitch, incorporated our client's feedback into the slides and delivered the presentation.

### **YEE CHONG TAN**

For this period, I have been working on the login page and dealing with user authentication of the app. In the process of doing so, I also picked up Angular JS and implemented it in our app so that it can give smooth user experience. Besides that, I also did some research into opening and displaying a file within an app because the document overview page and saved for later page need it. I also prepared the slides for the elevator pitch.