



ECSE 456 - Turbodega

Project Supervisor: Professor Daniel Varro (daniel.varro@mcgill.ca)

Meetings scheduled on Mondays at 5:00 PM at Armstrong, 3rd floor

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Date	Summary of Topics
November 5, 2018	Presented the updated version of the website and the developed test for user interface. Based on the feedback received, the catalogue page will include the option of viewing skus sorted by producers/categories, the bidding history page will be modified for easy flow, and the active bid page will have a default table with semantics. The team will also begin working on the presentation slides.
November 12, 2018	Presented the new version of the website and the draft of the presentation slides. Based on the feedback received, the login page will have signing in as the default option, the catalogue page will include a search button to find specific skus and the update information page will be a separate entity. The team will work on completing the presentation slides by using the theme used for the website for the presentation, adding a project management slide to cover the meetings, adding a technological overview slide to mention the tools used, and adding some animations.
November 18, 2018	The team did a discussion over Facebook messenger regarding the latest version of the site. Another meeting among the team is scheduled for November 22, 2018 at 6pm in Trottier to practice for the presentation.

Table 1: Group Meetings and Meetings with Advisors

Engineering Tools

Concerning the tools used to build the UI of the web application, Bootstrap suits our needs for now. However, we will have to eventually rewrite parts of our code base using React for modularity purposes. This will ensure that what we have built will be easily expandable if needs be. With respect to the backend, we haven't had the opportunity to start working with Node.js yet, so it is a bit hard for us to judge how well it would suit our needs. Nonetheless, considering that it is widely used in the industry, it should likely be fine. Regarding testing tools, we still have some work to do in order to get proficient with the use of Mockito, but from what we have seen with examples of the framework's use, we are confident it should be suitable for our project. Lastly, GitHub is great since we are all familiar with the tool and it is also the industry standard for version control.

Team Work

We are a team of four people where each team member demonstrated their strengths through their contribution to the project in general. Yahya's main strength was his technical skills. He guided the rest of the team with the necessary tutorials in mastering the software skills needed. For instance, he setup the first mock test using Selenium, so that the rest of us can learn from it to run our own tests. Aliah's main strength is her creativity. She quickly learnt Bootstrap through various tutorials online and designed our website. She also designed our presentation slides to be more presentable using the design of our website as a foundation to design the slides. Thusha's main strength was her ability to accept criticism and integrate new ideas to manage this project. Since the catalogue page will be one of the most used site by our users, there were a lot of criticism regarding the setup of the page every week. She took all those suggestions and demonstrated the changes required quickly to the level expected. Nabil's main strength is his helpfulness. He was there to support everyone in their work, whether it was to help complete the slides or help with completing the progress reports. Overall, these were the main skills each individual had, but other important skills demonstrated for this project were collaboration, communication, learning through research and flexibility.

Impact on the Environment

At this stage of the project, it has been determined that the possible impact on the environment identified has still not changed. The indirect impact through the energy use from using computers, will still be minimal. Further possible impact could be observed in the future once the project enters the field testing stage. It may be possible to quantitatively determine the impact to the environment by assessing the possible change in product distribution and the vehicles they use depending on the usage of the website. However, the actual task of determining this may actually be beyond the scope of the project since the actual impact to the environment is really indirect as explained in the progress reports. Regardless of that, the team is still aware of the importance of assessing possible impact of the project on the environment and will attempt to always keep energy consumption low.

Ethics and Equity

We did not encounter any further ethical dilemmas during this project nor dilemmas related to equity as of now. There is however an awareness among the team members to be ethical and responsible on each of their behalf. For instance, time constraints due to upcoming finals should not be an excuse for anyone to commit any less to the project. It is important that every member of the team should equally take part in the project and fulfill their responsibilities properly. It is also important for every member to help one another and offer their services if they are available to. If one failed to do so, this might lead to a failure in reporting the true progress of the project to the supervisors in fear of repercussions. Hence, it is important to be completely truthful about the progress of the project to our clients and keep up with the timeline. Also, it is possible that conflict can arise among members due to differences in opinion. For example, when the clients demand for a change in the website layout, different opinions may arise in how the layout should be, but this should

be negotiated professionally without taking anything too personal and come to a conclusion that benefits every member and respecting everyone's interests. Furthermore, being accountable is important since when things go wrong, it is human nature to try to avoid the consequences and perhaps blame someone else. What can be concluded is that dilemmas may arise when working in this project, but by discussing about possible solutions and by understanding one's responsibility towards the team, the possible ethical dilemmas can be solved.

Life Long Learning

So far, after further refining proficiency in HTML and CSS, the group members are each far more adept at coding and building individual pages for the website. Aside from that, learning Bootstrap has also helped in designing the website itself. However, it has been identified that more skills involving testing need to be acquired through the usage of Selenium/Mockito. This skill is imperative to check if the website functions as required, such as calling the backend from the frontend. Therefore, it may be necessary to learn this tool through online tutorials to complete the project. In terms of backend design, mathematical and coding knowledge on building a system that can sort, manage and handle bids and orders must be refined once the project reaches that state. For that, it is found that mastery of Node.js is necessary in order to manage and access the backend functionalities.

Recent Progress

We have mostly finalized the UI of the web application and our presentation slides are done. We have set up the testing suite, but did not start actively testing the website yet as we were focused on having the UI completed first and getting proficient with using Mockito needed more time than initially anticipated. To be more specific concerning the UI, we have overhauled the catalogue page after getting feedback from our clients and our supervisor (adding a search bar, presenting the products under standard categories used in groceries), removed pages with redundant information and added an option for users to update their personal information.

Future Plans

Since the presentation is next week, we will put most of our focus on preparing for it while adding a few final touches to the UI (i.e. relocating the page for updating users' personal information so that it is easier to find, resizing the slideshow on the homepage so the text on the images is not superposed onto the indicator at lower resolutions, etc.) In parallel, we will be working on the final report. Over the winter break, we will work on getting proficient with Node.js and writing tests with Mockito so we can hit the ground running once we start next semester.