

EE/CprE/SE 491 WEEKLY REPORT 03

Feb 14 2022– Feb 20 2022

Group number: 15

Project title: Program of Study (POS)

Client: Tina Prouty

Advisor: Md Maruf Ahamed

Team Members :

Saljooq Altaf (coordinator/ full-stack)

Nathan Marquardt

William Hunt

Carson Campbell

Noah Nickel

SUMMARY

- We discussed key ideas and concepts that would go into implementing the use cases for the project. This is necessary since there is no documentation for the project, making it very hard to understand it, and how to contribute to it
- Since we are expected to work on this project for eight months and have made little progress, we discussed the possibility of starting an alternative prototype as a hedge against the risk of continuous non-progress
- We discussed the ethical approaches to implementing the project (professional report)
- Demo of an alternative prototype for with an angular application
- Discussion on a bigger meeting to understand the direction to be taken moving forward:
 - Should we significantly refactor the existing code, create better and more graphical documentation to understand what the previous team did and how to go about contributing to it
 - Should we plan an alternative prototype that can accomplish the same use-cases but in a more structured and easy to understand code base
 - Should we branch out to implement the two ideas simultaneously since we already have a working product but very hard to improve on i.e. not scalable

Past week accomplishments

Saljooq Altaf: Worked on creating an alternative prototype in Angular-TS stack from scratch that could mimic similar but more scalable and better looking front-end functionality than the one that the previous team worked on - this took up the majority of time somewhere between 10 to 14 hours - I have the semester containers working, and the dynamic addition of containers working, also the data binding for a selected courses has been successful. This could potentially form the basis of one of two things - we can pivot to an alternative project or branch team into

two factions - one working on a more scalable alternative stack, and one continuously improving on the progress the previous team made. Also, I continued my research on Django and how to go about structuring a Django based project that is something the team can potentially work on and contribute to - the current version doesn't seem to have any coherent structure at all.

Nathan Marquardt: My past week goals were to learn more about front end development. I was able to finish my free HTML Course and feel that I have a better understanding of how to implement it for our project if need be. I also was unable to get a response from previous team members on their Iowa State emails. I started to work on the research of CSS and how it might be possible to implement it to help our front end development.

William Hunt: Over the past week I worked on brushing up my skill set in regards to what is needed for the project. I worked through several tutorials on front-end technologies to try and better myself in those areas. I also worked to try and understand the structure of the previous project phase, as it's still quite unclear in many areas.

Noah Nickel: The previous week we were able to meet as a group to get a better understanding on this project. Individually I was able to research more front end development to understand what the previous team's code was all about. Next week I plan to continue to learn my knowledge of how the previous team implemented their web app.

Carson Campbell: This week I have focused on better understanding the front-end/back-end connection as in previous projects I have only worked back-end. Finding that there is no contact with the previous group working on this project I looked to see what of the current project might need redesigned for the implementation that we are planning. We also have started better organising our efforts for a more efficient meeting and planning cycle.

...

Pending issues

Saljooq Altaf: There are quite a few features that will be added onto the prototype - since this could potentially be a whole new way of implementing the project. More concrete issues include implementing a search bar, a more explicit details column, and a service to import data for the courses. Also, pending our meeting with the advisor and client, we will decide how to move forward with the project.

Nathan Marquardt: I feel that our team is not currently working at our full capacity. There is not a direct plan that we have discussed. I look forward to discussing it with the team in the following weeks.

William Hunt: We are having some issues with the direction in which to take the project that we hope to resolve in a meeting this coming week.

Noah Nickel: Issues in how to go about the development process of either a continuation of a previous project or creating a whole new web application.

Carson Campbell: Without the ability to contact the previous group we need to talk with the advisor and client to see how we should proceed. If a mostly new implementation is going to be needed or if we should continue to work off of this old project.

Individual contributions

Saljoq Altaf

- Studying Angular and implementing a basic prototype from scratch - with necessary drag and drop functionality (10 hrs)
- Research on Django and how structuring works on that framework (2 hrs)
- Meeting/ Weekly Communication (3 30 hrs)
- Worked on Team initiation assignment/ report/ maintaining meeting minutes (0 30 hrs)
- **Cumulative:** (16 hrs)

Nathan Marquardt:

- Communication with team members/meetings (3 hours)
- Finish Free HTML Course (1 hours)
- Research CSS web development techniques (3 hours)
- Practice CSS skills learned during research (1 hours)
- **Cumulative:** 8 hours

William Hunt:

- Meetings/Weekly communication (3.5 hours)
- Understanding the previous team's design through code reviewing (1.5 hours)
- Doing tutorials on technologies to be used in the project (2 hours)
- **Cumulative:** 7 hours

Noah Nickel:

- Meetings and team communication (2 hours)
- Reading through current web application (2 hours)
- Reading and researching (2.5 hours)
- Practicing HTML with a free course(1.5 hours)
- **Cumulative:** 8 hours

Carson Campbell:

- Meeting/Communication (2 hours)

- Back-end/Front-end research (2 hours)
- Looking through project for Redesign opportunities (2 hours)
- Additional research based on old project's implementation (1 hour)
- **Cumulative hours:** 7 hours

Comments and extended discussion (Optional)

Feel free to discuss non-technical issues related to your project.

Plans for the upcoming week

Saljooq Altaf: Will continue working on the Angular prototype to implement the necessary features i.e. Search bar, credit accumulation, Details column, service to import course info.

Nathan Marquardt: Continue with my research and development of CSS with more research and more practice. I would also like to see a meeting take place to set a direct plan for the team moving forward. I still plan on trying to reach out to previous team members. Possibly, I would also like to comment code from the previous team to help with our progression if need be.

William Hunt: I plan to continue familiarizing myself with the technology to be used in the project, as my front-end knowledge is still lacking in several areas. I will also work to understand the structure of the previous project phase, as it's still not yet clear. Once we decide on a definitive plan for the project going forward, I will be able to more accurately plan for future weeks.

Noah Nickel: I plan to continue reviewing and researching the previous team's work to find ways to add to existing designs. I also plan to research ways we may be able to create a new web application and what tools we might need to add.

Carson Campbell: Research back-end/front-end more. Organise our efforts in a more concentrated way through some solid plan or common effort. Meet with advisor/client to discuss an overhaul of the previous project.

Summary of weekly advisor meeting (If applicable/optional)

There was no meeting with the advisor this week.