

Team Name: NPRTS

Report Number: 12

Reporting Week: Week12, Week of Mar 27

Summary of work completed in prior week:

- Most of the items on last week's TODO list for the scheduling algorithm have been completed. It is now at a much more sophisticated stage.

Summary of work planned for next week:

- Scheduling algorithm:
 - Implement co-requisites. Not sure how difficult this will be relative to prerequisites, so I'm not sure if I want to touch it until more integration is done.
 - For integration, output the list of schedules (branches of the tree output by the algorithm) in a way that can be seamlessly transmitted to the frontend.

Open issues and action plan to resolve them:

- The team website eventually needs to be updated with all of our reports and documentation.
- The full requirements document needs to be written. It should be adapted from the presentation and some of our other existing documents, with more details given and in the IEEE format (already in the Drive).

Project Management Summary

Team member	Tasks completed	Hours worked for week	Total hours
Tyler Yankee	Worked on the core scheduling algorithm. Prepared diagrams for next week's presentation.	8	52
Peter Dorovitsine	Started researching how to connect the front end and back end of the website	3	25
Robert Licata	Began creating API methods and added theme to app.	6	31

Niall Pepper	Worked on the front end. Added a quick add/delete functionality to the home screen. Changed how the schedule builder page is structured.	8	42
Sangwon Youn	Worked on implementing firebase into flutter to make the login function with google login.	6	31

Meeting Summary

For each team meeting provide the date, time, and location of the meeting. Indicate which members attended the meeting and action items discussed in the meeting.

March 29, 2023, ERC, 5:15 pm. All members present.

- Discussed options for user authentication. Robert looked into Firebase and Flutter APIs. We decided to go with Firebase — we will be communicating moving forward as to how to modify certain fields in the database in order to account for this.
- The frontend is still being refactored, so Sangwon will be implementing the authentication in the main branch while that is being done in another branch. Refactoring should be done this week and then everything will be integrated together.
- Discussed linking frontend and backend (both ways). Not sure if this will get done before the design presentation.
- Need visual for algorithm for design presentation
- Tasks before the presentation
 - Robert: finish refactoring, work on backend/frontend communication (more knowledge on frontend side)
 - Tyler: make visual for algorithm for design presentation, insert sample data on students taking courses into database
 - Peter: work on backend/frontend communication (more knowledge on backend side)
 - Niall: frontend modifications to schedule builder
 - Sangwon: finalize administrator page, work on user authentication with Firebase