

WEEKLY REPORT 3 - FLUTR

SPRING SEMESTER 2024



CLIENT: MR. NATHAN BROCKMAN
ADVISOR: DR. DIANE ROVER

Group Members

Amanda Friis - Full Stack Developer, Documentation
Tayler Barnhart - Team Leader
Nathan Geater - Full Stack Developer (Back End)
Alex Brown - Frontend Lead Developer
Muralikrishna Patibandla - Integration & Back End Developer

04 - 20 February 2024

Weekly Summary

This week the team got a lot more comfortable with the requirements of the projects. Roles have become more defined and we are starting some of our preliminary planning. We have decided that we will try to have the physical kiosk portion of the project completed by the end of this summer, so that we will have plenty of time in the fall to correct things, should our first solution not be up to snuff against the summer heat.

Past Week Accomplishments

- Amanda Friis - Started working on official SRS documentation. Wrote and presented questions for meeting.
 - Tayler Barnhart - Looked into cloud deployment and connection between frontend, backend, and the cloud. Researched about the hardware specs and cooling system for the kiosk.
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- Nathan Geater - Considering options for database design. Presented questions and brainstormed during requirements meeting.
- Alex Brown - Made a few wireframes for the new look of Flutr. Designed a logo. Helped break down all the user classes in during the advisor meeting
- Muralikrishna Patibandla - Noted down major backend-related points during the requirement gathering meeting and researched framework options for the backend. Considered different options for database design against the existing MongoDB.

Upcoming Week Plans

- Amanda Friis - Finish SRS document. Start discussions and research on frontend and backend platforms.
- Tayler Barnhart - Connect the frontend, backend, and cloud in a seamless way. Lock in the softwares we plan to use all into Github.
- Nathan Geater - Help with construction of backend infrastructure and design.
- Alex Brown - Make a lot more wireframes. Lock in on a frontend framework (definitely leaning towards react).
- Muralikrishna Patibandla - Begin construction of backend infrastructure in the decided framework (currently leaning towards Spring Boot). Help with building wireframe pages.

Individual Accomplishments

<u>Name</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>Hours cumulative</u>
Amanda Friis	SRS document, requirements questions	2	10
Tayler Barnhart	Cloud development, integration between the different levels, kiosk cooling	5	10
Nathan Geater	Research of cloud options, drafting possible backend designs	3	6
Alex Brown	Wireframes, Logo Design, Kiosk OS Searching	4	8
Muralikrishna Patibandla	Research into framework options for backend and database design	2	8

Advisor Meeting Summary

This week we ran a requirements interview with both our advisor and client in order to nail down all of the things we want our project to hit on. This allowed us to become more clear in the order we attack this project, as well as find a general attack strategy. Specifically, we decided to do a general sprint/agile system, where we will do general check-ins every 2 weeks between the group members. Additionally, we talked about how “features” aren’t something that are easily done in this project, as many things will be built all at the same time. So, we will need to be very communicative between the team in order to track progress.