

## Individual Journal

### Week 1/28 - 2/1 Journal Entry

#### **Week Goals:**

Come up with an idea that my group and I would like to present to Mr. Andy for our senior project. After a meeting with our professor, we would need to work on the project proposals and brainstorm the product title, product description, requirements, and stretched goals. If the idea is approved, we will look for a sponsor to make the project be used for service learning.

#### **Work notes**

- Had a meeting with Mr. Andy. He outlined the things that we need be aware of to make our idea work. For example, the project should follow the Abet style.
- Since we want the project to be service learning, we need to get a sponsor. I sent an email to Ken Wisemen and ask if our team could get someone from GoCreate to sponsor us.
- I helped provide the requirements, product description, and stretched goals for the project proposal. I mentioned that the required software technology that we could use to create a website that communicate with our web server.

#### **What's next**

- Get approval for service learning from Ken Wisemen.
- Plan on how to make the project work with the team

### Week 6: 9/20 - 9/26 Journal Entry

#### **Week Goals:**

Have a meeting with my team for the project planning paper. Since the paper requires us to write multiple paragraphs for each topic, we need to figure out who should do what topics. After all of us are done with our parts, we will review the paper and make any necessary adjustments. Now that we got a response from Mr. Andy about a potential sponsor that can help us fulfill our service learning, we need decide whether we want to go accept the application or not.

#### **Work notes**

- Worked on the project planning paper, focusing on data configuration management plan, software development model, and acquisition schedule topics.
- Had a discussion with my team about the sponsor email. We decided to accept it. I sent an email back to Mr. Andy to inform him of our decision.

- Plan how our team will present our project in from of the class

## What's next

- Have a meeting with our sponsor
- Prepare ourselves for the presentation that we will give about our project

## Week 9: 10/17 Journal Entry

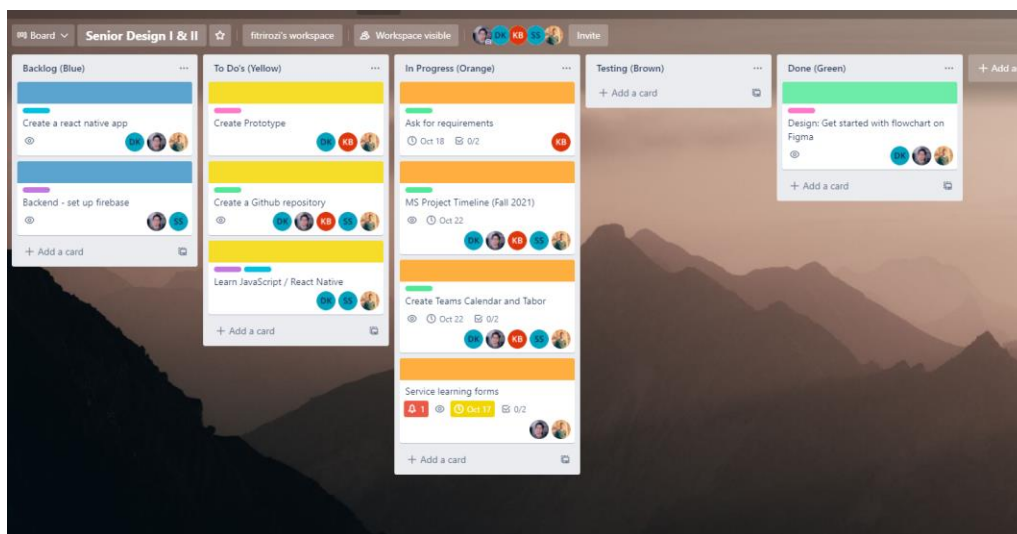
### Week Goals:

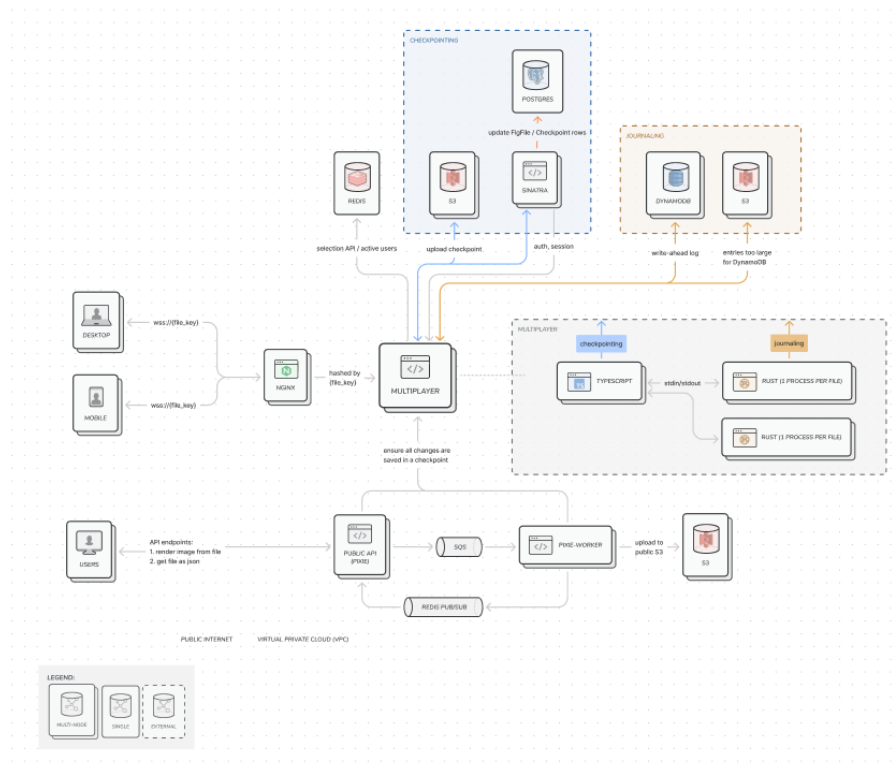
- Have a meeting with my sponsor on Wednesday to ask any questions about the project.
- Compose a schedule of availability to let my sponsor and team members know when I am available.
- Jump start the project design using Figma.

### Work notes

- Tested out FigJam for producing flowcharts and architecture diagrams. After messing with that, I set up the design prototype of the app using Figma.
- Assigned roles and tasks to my team members and myself on Trello.
- Asked Zack for requirements.
  - Schedule of availability
  - Design ideas that they have so far.
- Gave my schedule of availability to my team so that everyone knows when I am available.
- Set up Microsoft project for our team to plan, track, and deploy our software.

## Progress





## What's next

- Continue working on the MS project timeline.
- After receiving the requirements from our sponsor, we can start working on the flowchart on FigJam.
- Create a Github repository.

## Week 11 (10/25 – 10/31)

### Week Goals

- Meet with the IT people from Tabor's college on Wednesday and discuss their requirements as well as our groups for the project app.
- Complete the block diagram using Figma and present it to my team members.
- Create a React Native app and a Github repository

### Work notes

- Received a message from the sponsors that the IT people could not make it to the meeting due to an urgent issue, so the meeting had to be delayed.

- Used a Figma feature called FigJam to create the block diagram. The diagram demonstrates how different application and services interact with each other. It contains the frontend, backend, APIs, and services components.
- Used Expo toolkit to generate a React Native app that allows my team members and I to build a cross platform app. The code only contains a boiler plate, but I can modify it and see the changes on Expo.
- After building the app, I went ahead and created a Github repository to host the code.

### **What's next**

- Invite my team members to the Github repository that I generated.
- Start designing the app and get the sponsors' feedback on it.

## **02/13 Individual Journal**

### **Week Goals**

- Schedule a meeting with the sponsor.
- Complete work statement execution plan.
- Make a new team on Teams.
- Create my first pull request.

### **Work notes**

- Had a meeting with my sponsor to update my progress. I asked the sponsors if they could create an account for Firebase and Github so that I can transfer the app's ownership to Tabor College.
- Built a React Native app using Expo. I wrote a Github documentation on how to clone the repository so that my team members can also have copy of the app.
- Successfully added hyperlinks to the main screen of the app, which can redirect users to the designated Tabor College web page. Later, I created my first pull request for this task.
- Assigned tasks to both the frontend and Backend team members. The frontend team is working on adding buttons to the main screen. The backend team is attempting to scrape information from tabor college website using a python package called beautiful soup.
- Finished my portion of the work statement execution plan.
- Andy created a new team for me on Teams so that we can use that as our main source of communication between sponsors and team members.

### **What's next**

- Collect data from Tabor College website and then store it in Firebase Firestore.

- Create a guideline in the Readme file for creating a new Github branch.
- Finish implementing the UIs of the main screen.

## 02/27 Individual Journal

### Week Goals

- Collect data from Tabor College website.
- Ask the sponsors if they could create a Github and Firebase account.
- Complete individual documents for the TPR package.
- Finish implementing the UIs of the main screen.

### Work notes

- Successfully web scraped Tabor college website using a python package called beautiful soup.
- Had a meeting with my sponsors and received updates from them that they just created a Github and Firebase account. I mentioned that the Firebase account will also need to register for the Blaze plan, since the mobile app needs to use cloud functions service for web scraping.
- Add my individual documents from last semester to Github for the TPR package.
- Resolved merge conflicts that I had with my team members' code.
- I had a meeting with the frontend team and helped my team members the issues that they were facing. I also mentioned the proper convention for writing React Native code. For example, make code more reusable and modular by using the latest JavaScript features.

### What's next

- Store the web scraped information from Tabor College into Firebase Firestore.
- Finalize the README file so that reviewers can better understand our project.
- Fetch data from Firestore on the Frontend
- Build the UIs for different mobile screens