EE / CprE / SE 491 – sddec19-03
GoMe
Week 2 Report

2/8/19 – 2/15/19
Client: General Public
Faculty Advisor: Goce Trajcevski

Team Members
Michael Arnold - Chief Engineer
Jacob Montgomery - Lead UI
Jaclyn Ralfs - Data Analytics/Scribe
Akaash Suresh - Engineer/AI Tech
Mark Marrano - Systems Engineer/Requirements Analysis
Bailey Jensen - Lead Back End/AI Tech

Past Week Accomplishments

Began Implementation of the android app-Michael
- Created Login/ Registration pages and linked it to firebase authentication and facebook authentication.
- Started tracking users location

Narrowed the scope of the project - Everyone
- We decided that the A.I. scheduling portion of the app should start small. To do this, we decided that the app will focus on four things to begin with: events, tasks, work/school and sleep. The A.I. will seek to recognize when the user usually works and create a template that it thinks the user should follow for that day. As the day goes on, the app will recognize when something doesn't go to plan and try to adjust the users schedule based on the change in their day. For instance, a user is at work too long and did a lot of tasks, the app would then realize this and tell them to go home and relax instead of going to the social event they had planned. Our goal is to fine tune this process with a few smaller use cases and then expand the reach of it as we go along.

Started project design
- Everyone in the group started gearing their minds towards the Project Plan assignment. The team started focusing more on the requirements of the project

plus diagrams. The Use Case diagram and block diagram were created and defined for the project, with others like the class diagram and domain model put into the works.

Pending Issues

Ideally, everyone on the team would be on the same page about everything. Our goal for the week will be get everyone aligned and set up to start working on their portions of the project. We expect the project plan will assist in our goal of having everyone's thoughts together.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Michael Arnold	Finished use diagram and block diagram. Working on section 3 of the project plan as well and researching projects of similar nature.	7	15
Jacob Montgomery	Brainstorm and research resources needed for project. Optimize UI for existing application pages (login/register). Figure out deliverables. Work on defining project schedule.	5	9
Bailey Jensen	Researched further into TensorFlow by going through some example programs and experimenting with the framework. Worked to continue narrowing scope and find a concrete starting point. Started digging into Android as I haven't worked with it very much yet.	5	10
Jaclyn Ralfs	Research similar applications and survey friends about opinions on apps they use. Narrow down use cases for application to figure out what our	4	10

	deliverable will be.		
Akaash Suresh	VM creation has been approved, and working on creating a automated build and deployment server for the Android app to incorporate CI/CD. In addition, work in experiments with TensorFlow in order to gain more understanding of advanced topics	6	12
Mark Marrano	Worked on diagrams. Researched topics on data streaming for database needs. Worked on project plan. Watched videos about Firebase to get acclimated to the Firebase environment. Organized documents.	7	10

Plans for Coming Week

Continue implementation of data gathering resources- Michael
- Working on getting fitbit, google calendar, canvas and location tracking integrated into the app and structuring the data well so the A.I. team can work with it effectively.
- Look into literature on "vehicle routing problem with constraints", could help with thinking about how to minimize travel costs from day-to-day

Optimize UI for existing pages - Jake

Finish the project plan- Everyone
- Research literature and similar projects
- Focus on how we will handle the sensitive data
- Focus on the concrete part of our application right now and think about future ideas down the road

Define requirements - Everyone
- Solidify a concrete start of design requirements for the project
- Discuss requirements as a team
- Discuss and define concrete deliverables for the project going forward