

EE / CprE / SE 492 – sdddec19-03

GoMe

Bi Weekly Report 10

End of Spring Semester – 9/13/19

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

Summer and First Two Weeks of Semester Accomplishments

- Over the summer we were able to add a decent amount of features to GoMe. These included, the building of a basic schedule that included google calendar events and facebook events. We were also able to work on some of the event page features and social media, giving us a solid foundation for us to reach our goals with this application by the end of the summer.
- Over the first two weeks of the semester, we have met with our advisor and met as a group a few times to determine our goals and timeline for the semester.
-Everyone
- Jake and Michael have started creating a trello board full of use cases and tasks, so we can easily see what we need to do and how the project is progressing.
- Michael: got sleep and work to be loaded into the application using a basic template for the schedule. Also began working on the applications on boarding process, that will get all of the users accounts set up for api connection and get some background information on the user.
- We have looked into using Microsoft Azure's ML framework for our sleep modeling, as it looks like it'll suit our purposes better than tensorflow.

Pending Issues

None currently

Individual Contributions

| Team Member | Contribution | Hours | Total Hours |
|------------------|---|-------|-------------|
| Michael Arnold | Worked on several new features to the application over the summer: event page, schedule page and social media stuff. Over the first two weeks of the semester, got a generic template for sleep and work set up within the application and began setting up a trello board. | 40 | 112 |
| Jacob Montgomery | Combined methods from several activities into one modular class for interacting with firebase. Working on improving user experience for manually editing your schedule. | 6 | 50 |
| Bailey Jensen | Familiarizing myself with the app progress made over the summer, planning next steps to build out app, working on developing ELO system to assign a value to user performance. | 6 | 47 |
| Jaclyn Ralfs | Reviewing new material that was developed this summer, researching how we should simulate data to use to test application | 5 | 32 |
| Akaash Suresh | Looked at documentation on Azure, read an article on hierarchical meta-learning. | 4 | 66 |
| Mark Marrano | Workspace setup, reviewing requirements. Started working on ELO profile features. | 4 | 48 |

Plans for Coming Week

- Continue merging AI with Data Collection - Michael, Jaclyn, Akaash, Bailey

- Now that we have our data collected we can begin picking out the specific data points we need to feed to our AI and then begin feeding it to our AI.
- Present to the class on 9/19. This presentation will include some background information on our application and how we are currently progressing. - Everyone
- Set tasks and get a better timeline of how we want to progress throughout the semester: Everyone
- Finish on boarding process for application: Michael
- Begin working on making the schedule dynamic - Michael
- Come close to finishing ELO algorithm for separate action/activities: Mark