

EE / CprE / SE 491 – sddec19-03

GoMe

Week 8 Report

4/13/19 – 4/19/19

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

- Further discussed in our groups -- Akaash and Bailey: A.I., Jake and Mark: System Design, Mike and Jaclyn: Data Analysis.
- Further implemented Firestore - Mark, Jake, and Michael
 - Finished removing Firestore Realtime DB functionality
- Further developed ML aspects - Akaash & Bailey
 - Got sleep prediction accuracy to within 2 minutes
- Planning how we will store and adjust events that have not occurred yet
- Continue progress plans for data collection of the app and make sure to implement abstract interface design methods for implementing the APIs- Michael
 - Location
 - Sleep
 - FitBit
 - Tasks
 - Canvas
 - Google Calendar
 - Outlook
 - Events
 - Facebook API

Pending Issues

None currently

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Michael Arnold	Worked on implementing the schedule for the app, worked on the presentation	5	72
Jacob Montgomery	fire store implementation. Software design patterns.	5	44
Bailey Jensen	Worked on final presentation and continued working with ML models in Keras to build my own practice ML model.	5	41
Jaclyn Ralfs	Made changes to final project plan, worked on final presentation slides	5	32
Akaash Suresh	Worked on final presentation project plan, as well as the final presentation slides. I additionally got the ML model to accurately predict the wakeup time and sleep quality given a sleep time	7	62
Mark Marrano	Worked on presentation and app development, specifically profile related work	5	44

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.
- Create Demo for the presentation - everyone
- Finish presentation - everyone
- Continue working on the schedule page - Jake and Mike
- Continue working on the profile page - Mark
- Finish the final version of the project plan - Everyone

