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http://sddec19-03.sd.ece.iastate.edu/



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Progress Recap

As of our last PIRM...

• Data Collection

- Fitbit API
- Facebook API
- Google Calendar API
- Location Tracking

• Static Schedule

- Sleep
- Work
- Google Calendar Events



Current Progress

Progress since...

• Dynamic Schedule

- Use your location
- Make adjustments based on performance
- Re-populate using 0/1 knapsack
- Properly fill free time to balance your life

• User Customization

- Detailed on-boarding process
- Personal profile editing

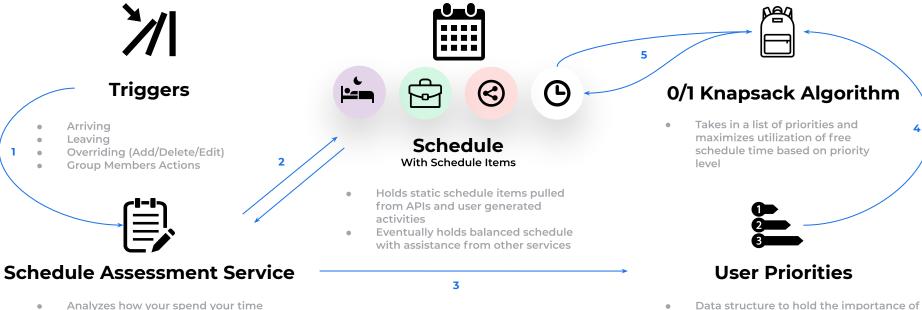
• Analysis

- Scoring of each day in different health areas
- Easy to read graphs based on your data

Machine Learning

- Creating a microservice that processes sleep data and returns anticipated sleep for the week
- Allow retraining on a week by week basis

Design Decisions - Schedule Population



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day-to-day

Scores you Bad, OK, Good

- Data structure to hold the importance of a . schedule item being generated for each category
- Currently, priority level is based on time spent

Design Decisions - User Collaboration

Social Feed

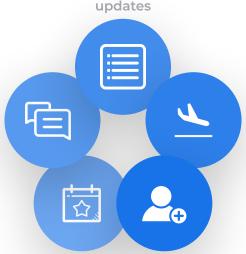
See friend's accomplish and updates

Chat

Easily message and create group chats with other users

Group Scheduling

Effortlessly find events that fit you and your friend's schedules



Friend's Activity

Have a schedule that dynamically adjusts if you team member or friend is late or edits an activity

Group Invites

Effortlessly find events that fit you and your friend's schedules

Challenges and Risks



Data privacy



Faking data and users



Prevent users from cheating



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Plan for Semester



Priorities

User Collaboration Features

Introducing Tasks

Finalizing Machine Learning Models for a User's Sleep

Finding Fake Data to Test With



Other Plans

Add Social Aspects (Friends, Feed, Profile Page)

Recommend Social Activities

Test Thoroughly

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Questions? Email: arnold1@iastate.edu