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CMPS 183: Web Applications Project

Goal : Content Aggregation for Activity trackers.

- Provide flexibility to users to switch their fitness tracker and not lose their data
- A way to compare fitness records with friends using other trackers
- Maintain fitness data without using a tracker

Proof of Concept

Features:

- Profile
- Edit Profile
- Activity
- Friends

Input Sources
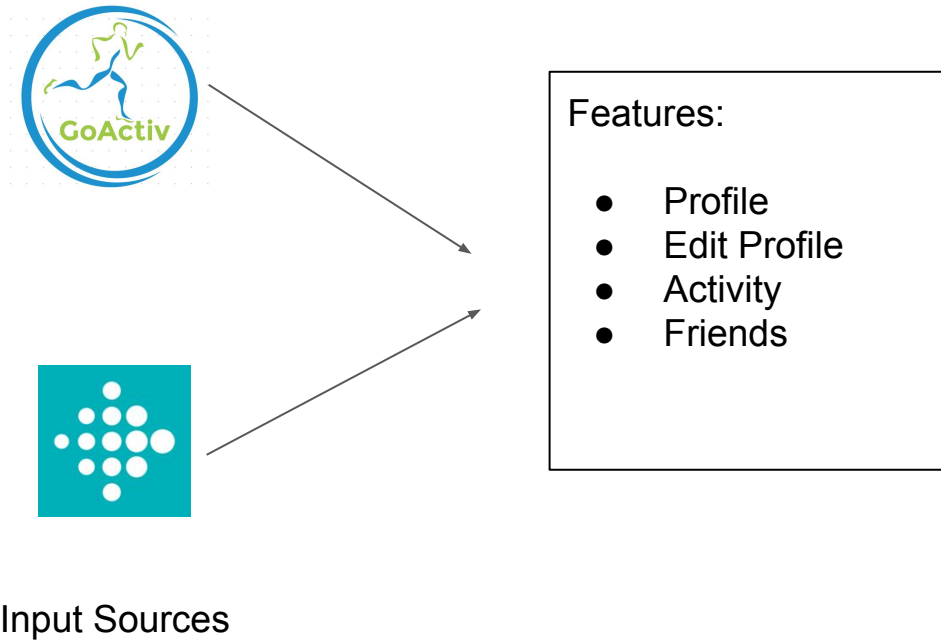
Profile:

- Shows profile created using 1) User input 2) Linking Fitbit
- Displays Badge for the week based weekly average steps & lifetime total steps

Activity:

- Daily steps vs Daily goal and Weekly Average vs Goal
- Target weight vs current weight
- Weekly steps progress

Friends:

- Compares activity across GoActive users.

Challenges

- Fitbit API integration using OAuth 2.0 for user authorization and authentication

- Visualization using D3.js and Plotly in real-time using vue

References

- https://dev.fitbit.com/
- https://d3js.org/
- http://www.brightpointinc.com/download/radial-progress-source-code/
- https://plot.ly/javascript/
- https://www.graphicsprings.com/

Thank You !