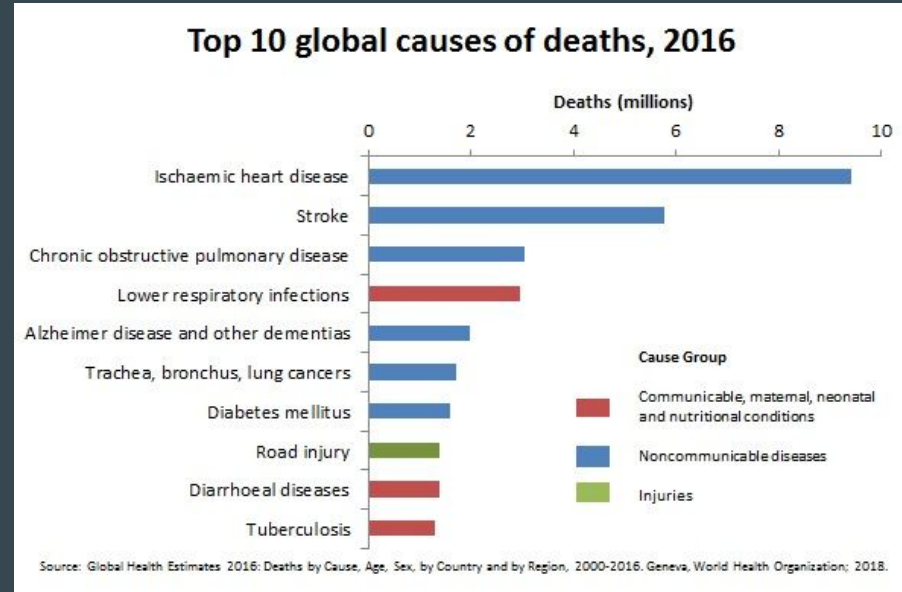# FitByte Capstone

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Jake Farrar, Jacob Lemon, Austin Pederson
Mentor: Ana Steinmacher

Bio-Behavioral System to Motivate and Reinforce Heart Health

- General Info of Heart Health

- Project Goal

Top 10 global causes of deaths, 2016

FitBit & Fitabase

Project Sponsors:

Dr. Kyle Winfree

WEARABLE INFORMATICS LABORATORY

Dr. Gregory Dominick

Physical Activity Monitoring & Assessment Lab
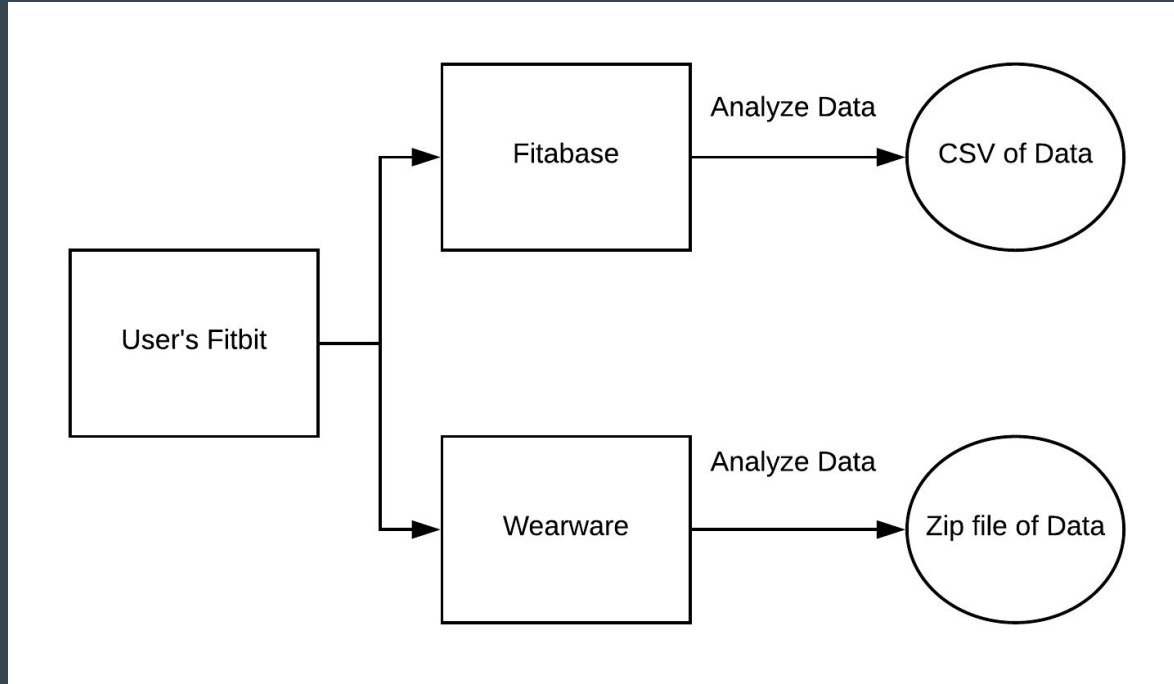
Flowchart

Solution

Fitbit provides an API that can be used to fetch user data

Fitbase handles all of the data collection from Fitbit

Use this data to provide more useful and accurate analytics to users

Development/Plan

Create a "bridge" that allows users to securely interact with the servers in Delaware

Process the data while also getting rid of inconsistencies provided by FitBit

Send users SMS texts to notify them of low activity during a day

References

- https://www.statista.com/statistics/472591/fitbit-devices-sold/ fitbit sales
- http://www.who.int/news-room/fact-sheets/detail/the-top-10-causes-of-death picture slide 1
- https://www.fitabase.com/how-it-works/faq/ fitabase info