Work in progress

Take care of your health now

World health in perspective: chronic, noncommunicable diseases (NCDs), like cardiovascular disease or obesity or diabetes, are steadily increasing around the world. There are 422 million people with diabetes in 2014. This means roughly 1 in every 16 people on the planet has this disease. The WHO estimates that diabetes was the seventh leading causes of death in 2016. Diabetes can be treated, and its consequences avoided or delayed with diet, physical activity, and checking blood glucose regularly. Population growth and aging are the largest contributors. In the US, the number of people over 65 is expected to triple in 2030, while there is a shortage of healthcare professionals.

Who We Are:

Team leader: Khalid Akash

Members: Hersh Shrivastava, Smeet Kathiria, Eric Rivera, Rizwan Chowdhury, Dang Khoa Dinh, Nathaniel Arussy, Suva Shahria

*We come from different backgrounds but are equally committed the success of this project

Project Details:

Demo 1: October 30, 2019

Project Webpages:

Front-End:

https://github.com/AkashWorld/blockchain-frontend

Back-End:

https://github.com/AkashWorld/smart-contract-backend

Dashboard:

https://akashworld.github.io/#/user-analytics

HEALTH ANALYTICS ENGINE

SOFTWARE
ENGNEERING
GROUP 5

Instructor: Dr Ivan Marsic

Our current progress

We are making great advancements toward the completion of the system. We have implemented many of the frontend visualization system. On the server-side, the blockchain and server are taking shape.

Our plan for the future

We expected to the product to be up and running by the beginning of December. The challenges still lie ahead. Our team will refine the frontend further, complete the server and blockchain and implement a secure, reliable login mechanism and a schema to tie the
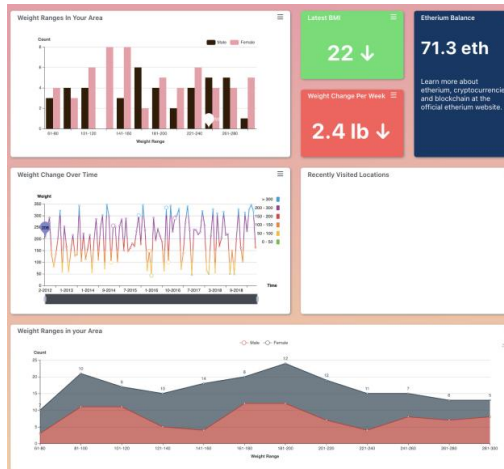

Our system in action

system together. Finally, integrate everything together and testing it because release to the public so you can enjoy the benefits.

We appreciate your feedback today because it helps us build an excellent product.

Features:

Login/Authorization: Ethereum Addresses and private/public keys will be used as token for verification. Users can use Ethereum wallet applications to log in (ex: Metamask). (Still in Progress)
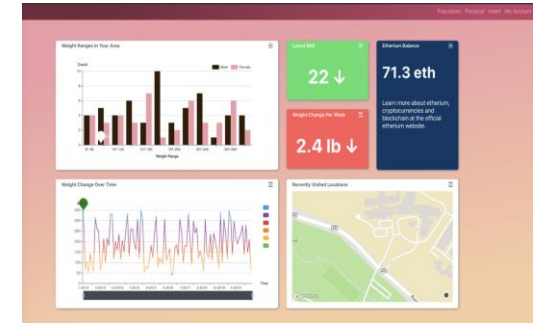
App Features

Data Security: Personal data secured by Ethereum private/public keys

Data Storage: Persistence storage of population descriptor in a decentralized blockchain

Compare Population Descriptors: User will be able to see their data and compare to others with informative and high-quality graphs.

System Requirements:

Modern web browsers (Chrome 49, Firefox 68, Edge 17, Safari 5.1) for frontend

Modern system that can support NodeJS for backend

Any system that can run an Ethereum client