People often find that it is difficult to stay in shape and lead healthy lives. With everyone living busy lives focused on education, work, and families, one's health is not given a priority. As a result, people's well-being and fitness levels deteriorate over time. Therefore, we have created a web-based application that provides our users with a consolidated, one-stop platform to input all of their health-related data. Such data would include users' hourly heart rate, number of hours slept, their daily activities, etc. Our goal is to make it easier for users to work towards and maintain better fitness to promote healthier and happier lifestyles.

Use Case Diagram

Domain Model

Programming Project: Blockchain-Based Safe Sharing of Population Descriptors

Software Engineering (14:332:452)

Demo Date: October 30, 2019

Group Number: 3

Members:
Jack Dulin, Sasan Hakimzadeh, Breanna Higgins, Nithya Kandappan, Sean Kearns, Nithyasree Natarajan, Pradyumna Rao, Shruthi Sureshkrishnan

Project Webpage URL:
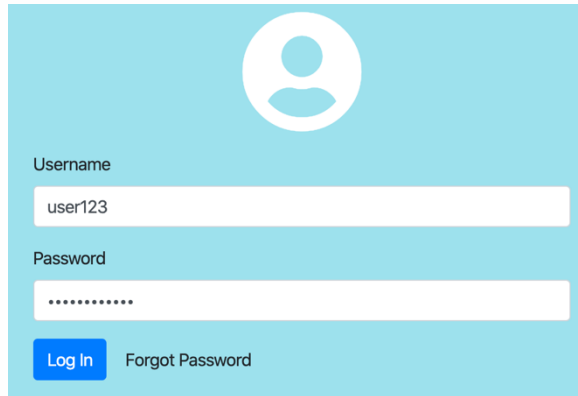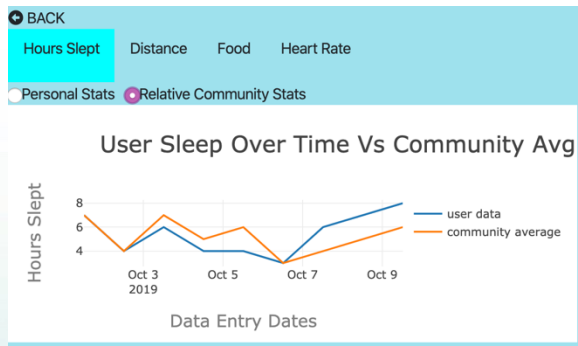http://se-g3-decentralizedfitness.000webhostapp.com/

System Requirements

The user is able to securely log into his/her account with the credentials (username and password) he/she set with the account.

If a user forgets his/her password, he/she can click on the 'Forgot Password' button to reset it.
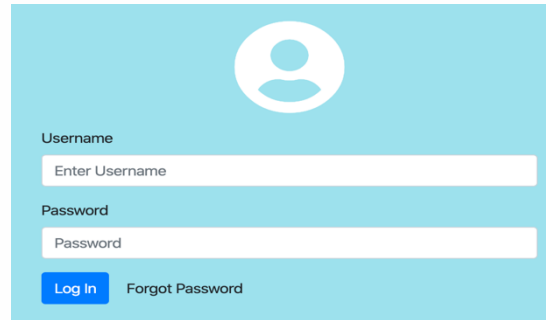

The graphs and charts displayed to the user as visual aid should be engaging and informative.

Users should be able to see their rankings and ratings in relation to other users or track their own progress over time.
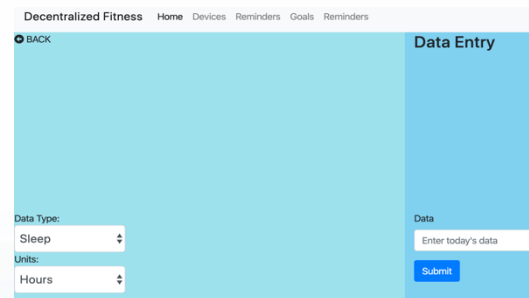
Features

1 **Login Page: Users will be able to log into their account on this platform.**

2 **Data Entry Page: Page for users to input and upload their data to this application.**
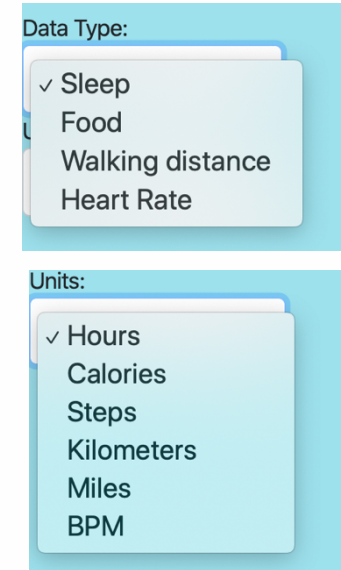

3 **Eye-catching visualizations: Users can see their data in a presentable manner, with graphs and charts.**
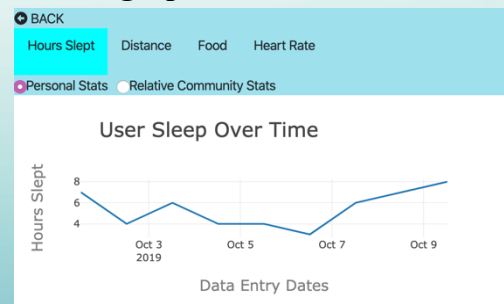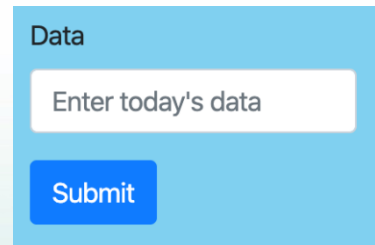
System Requirements

User must be able to input their daily health metrics for analysis.
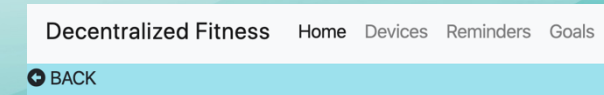
The platform must provide a friendly user interface.

Invalid data must be rejected by the system.

There should be a menu that includes links to all parts of the app.