SKR

Software Engineering

SMART HEALTH MONITORING APP

Project Proposal

Fall 2018

DESCRIPTION

The purpose of this software application is to provide a clear, easy to use, and informative application for users to track and visualize their health information including physical metrics, dietary metrics, and activity metrics.

This product is being implementation as a final project for the Fall 2018 Software Engineering course at Tufts University.

OBJECTIVE

- Calculate Physical Metric

- Provide Suggestions for Dietary Intakes

- Track User Step Count

SCOPE

The final product is intended to be a personal health monitoring application. The application is intended to be used frequently by the user. Users will be able to enter their physical attributes and daily meal intakes. The application will also track user footstep amount and sleep pattern. It will then be able to compute standard health measurements such as BMI and total caloric intake, and provide suggestions for diet, water intake, and sleep suggestion.

The product is intended to help the user be more informed about their overall health by providing visualization of their health activities. It should also provide suggestions that allows users to make healthier decisions in their life. The application is intended for use by anyone who is interested in in personal health and/or wants to be "healthier."

TIME FRAME

Phase 1 • October 2018
Understanding the specifications and requirements.
Splitting up the team.

Phase 2 • November 2, 2018
Diagrams and classes to define architecture.
Get everyone on board.

Phase 3 • November and December 2018
Implementation and Testing

PROJECT BUDGET

$0 – Class Assignment
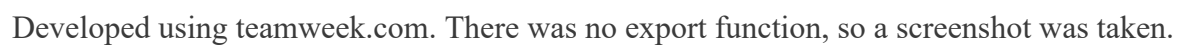
KEY STAKEHOLDERS

- **Project Manager**
  Winnie Zheng

- **Developer**
  Fuzhong

- **Developer**
  Yulei

- **Developer**
  Qinlong

- **Developer**
  Shi Zhang

- **Client**
  Khaled El Mahgoub

PROJECT TIMELINE

Developed using teamweek.com. There was no export function, so a screenshot was taken.

MONITORING AND EVALUTION

Our client, Khaled El Mahgoub, is the professor for this class. He will be evaluating the final product at the end.

Progress is being noted on Jira. Everyone on the team as well as the client has access; the client created the project.

APPROVAL SIGNATURE

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Khaled El Mahgoub

PROJECT CLIENT

PROFESSOR