school of computing, informatics, & decision systems engineering

CSE 394: Principles of Mobile Application Development, Spring 2016
Homework 1: Health Monitor App
Due: Sunday 31st by 11:59 pm Online
100 Points

Note: This homework is an individual homework. Please do not collaborate. Also, this homework should be completed in XCode using swift. Later in the semester, we will have some homeworks that you will have the choice of using Android/iOS.

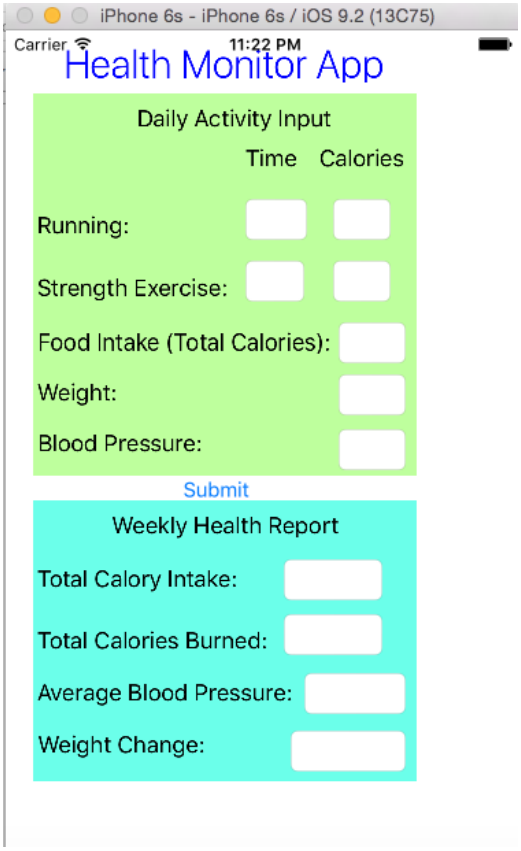
Description: Research shows that people who keep track of their daily health activities and some indicators. In this homework you will be developing an app that helps user's to enter some of their daily activities and health indicators. Your app keeps these daily records and shows a weekly summary of health indicators as shown in the UI screenshot below. Later we will use this app to add more features such as graphs and persistent data. As shown in figure 1, your app should take health indicators in five categories

Running, Strength Exercises, Food Intake

Weight, and Blood Pressure.

Once data is entered and the **Submit** button pressed, bottom of the view screen shows the summary of activities. Your app should keep data for last seven days

Note: Figure shown above is just an example. You are free to have an alternative design that implements requirements given in this homework.



App Features:

Keyboard show appear when user click in any of the textboxes to enter data and should disappear when user taps outside the textboxes

When launching the app, initialize all the textboxes with values 0.

User can add values in the textboxes at the top as many times as needed

This app should follow MVC architecture. Activity data and calculation should be done by the model.

Limitations of this app:

At this point, this app does not store data permanent. Later we will expand this app to store data permanently. Also we will change this app to plot graphs show the health indicators more meaningfully.

Grading Criteria:

Correctness of the application
Incorporating all the features listed in the homework
Proper implementation of MVC architecture
Neatness and the quality of the UI

Submission Instruction

Make a zip file of your project folder and submit online to the blackboard