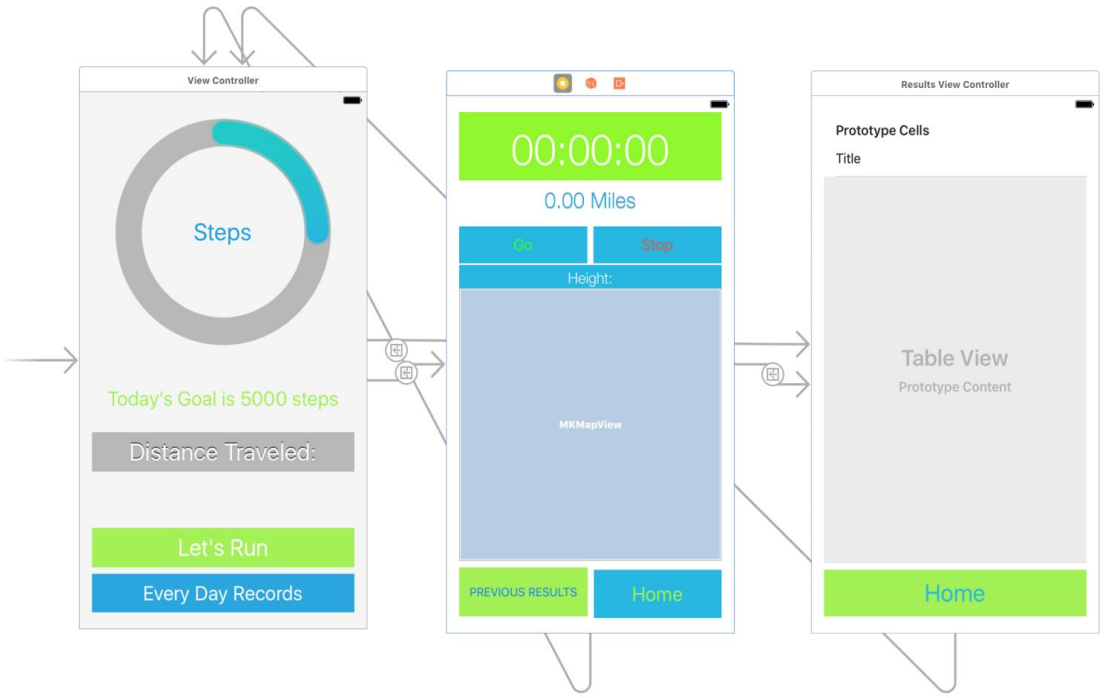
Introduction:

StayHealthy is a app with features to count each any every step a user takes and it counts distance traveled according to steps it also provides a one hour exercise in which a user can walk or run for one hour and it will show distance and map to guide user.

Focus on IT developer:

In StayHealthy i have created multiView application with following controllers



Navigation View Controller :

It is first and main view controller which have CircularProgressBar which count's steps using CMPedometer and also it uses CoreMotion and CoreLocation Frameworks.To display CircularProgressBar i have used KDCircularProgress which is an external framework and it provides functions to draw a fine progress bar.Also it has two buttons which navigates to the TimerViewController and ResultsViewController via segue.It has function named StoreData which uses Core Data to store all data of steps and distance and it is a base for ResultsViewController's data cells.

TimerViewController:

This view controller have a unique functionality to give a user a walking timer which have two buttons Stop and Go, on press of Button Go timer starts working and counts distance traveled by user also it uses MapKit and CoreLocation FrameWorks to display user's current location and and user's motion. This View controller provides best one hour walk to user and motivates him/her to practice hard.

ResultsViewController:

This controller have TableView which displays records of user's step count in table cells. It fetches data stored by viewController and displays it using Core Data. This view controller is good to have knowledge of all the data saved by first controller with time and date.Also it have Swipe left gesture to delete records.

FrameWorks Used:

-KDCirCularProgress

-Core Location -Charts

-Core Motion -MapKit

Challenges Faced:

When i was developing this application i faced many challenges first of all i was stucked in implementing Circular Progress Bar and implementing it with external framework .

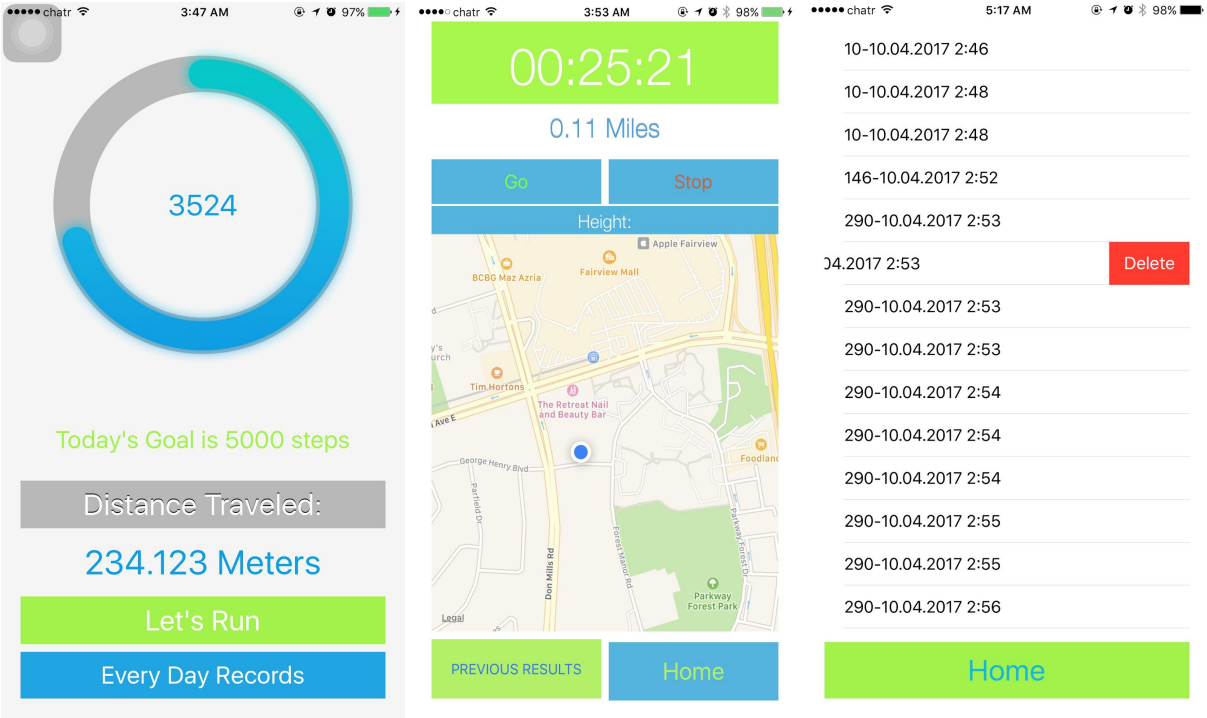
-Secondly, i used a phone's pedometer sensor which was very difficult to imply in application and also after implementing it keep it updated was also a big task because at that point i had to think about performance and mobile's battery life .

-Calculating distance of a running person and keep map updated all the time.

-The main thing it i used pedometer sensor and to test it i must had to run my application in mobile and walk miles to get perfect results. Because, simulators don't have sensors.

Final User:

StayHealthy is a application which track your daily steps and also keep your steps counting not only when you are exercising but also in your small day to day activities. It has one more feature a running timer with map which gives your good directions while you are running on timer.



This are pages of StayHealthy application which is very easy to use to start press go or press stop to stop your tracking.in first page you can see a counter which gives you your daily goal and shows today's steps in circle.last page keeps you updated with list of day to day activity also you can delete anything with one simple left swipe.