

CSC 214 Project 3 Proposal

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1 App Concept

1.1 What will your app do?

My app is going to be a Personal Running Coach app that will help a user track their fitness and hit targets for mileage, pace, or step counts.

The main gimmick of the app is that the user can create and customize a Running Coach, which will be a small Mii-like person who will reside in the app and give the user encouragement or advice. A lot of the functionality of the app can be reached by communicating in a chat interface with the Running Coach, or by using the conventional screens.

The Coach provides encouragement and praise when you reach a goal, and advice when it seems like you haven't been on the right track towards your goals.

The app will allow you to set weekly or monthly goals and allows you to record all the activity you have done to reach the goal.

For those that take their phone on runs, the app has a feature that records the run as you go. For those who use a running watch, there is another feature to add a run after you have completed it.

The outline of some of the major screens in the app are as follows:

1.1.1 Home Screen

Displays your progress towards your mileage goals, as well as your coach who is displayed next to the progress meter giving advice. Clicking on the coach will bring you the Coach Chat Screen. You can see a calendar showing how often you have run in the last week or month, and view the history of your past activity.

1.1.2 Coach Chat Screen

A chat interface that allows you to naturally communicate with your Personal Coach. From this screen you can start other functionality, or use the coach to calculate items like desired pace for a run.

1.1.3 Coach Creation Screen

Allows you to customize the appearance of your Personal Coach. This will be a Mii-like interface allowing you to alter their face attributes, skin color, hair, and clothing.

1.1.4 Add Run Screen

Allows you to enter the information for a run that you have already completed. You can add mileage, pace, time, and the route you took on a map, among other features.

1.1.5 Start Activity Screen

Allows you to start an activity, and the phone records the information about the activity you are doing (Steps, pace, mileage, etc.) until you click Stop. Once you've finished the activity, it adds this to your log.

1.1.6 Achievements Screen

Shows a grid of awards you can unlock for completing different tasks, for example running a run of a certain mileage, or reaching a certain step count.

1.2 Who is it for, why do they need it?

This app is for both serious runners or for anyone who just wants to keep up their fitness. Users need this app because it has a novel approach to encouraging users by using a virtual person they have created to give encouragement which is more powerful than an app giving non-personalized advice.

1.3 Why is it unique/necessary?

My app is going to be unique because most fitness tracker apps have complicated user interfaces with many controls. My app will also have a large amount of functionality but will also be centered around your Personal Coach, which gives the user a more personal connection with the app since they are taking commands and communicating with a person that they have created. For users that prefer a more classic UI, the regular controls are still available, but for those that enjoy the Personal Coach, they can access much of the app's functionality through a chat interface with the coach.

2 Mockups

I've created a set of mockups that demonstrates some of the major screens in the app. These are included in the Mockups folder.

3 Academic Honesty

I did not collaborate on this assignment and all work is my own.