

Idea: Web app to allow users to store and discover ideal playlists for a run/workout.

A common problem within the world of fitness is figuring out what is the best type of workout song. We often ask ourselves, “What would be a good song to match this workout” or just want new music to experiment with our normal routine that would fit within that workout. As a team, we thought that working with the **Spotify API data, Fitbit API data, and Apple Healthkit API data**, would ultimately alleviate some of the decision making when figuring out what music would best fit. We think it is possible to recommend users certain tracks or genres of music based on their data recorded in their health apps. However, this is not an application where it is one size fits all is employed. We think that having input from the user about what genres or tracks that they enjoyed and did not enjoy would help search for new songs that would fit. This can be accomplished by liked songs, playlists they frequently listen to, or what their close friends are listening to.

We could add many features to this idea: Which playlists lead to better characteristics of running (cadence, pace, etc), What are your friends listening to, Try out a friend's playlist. Additionally, our application will track your workout and what kind of music allows you to perform the best. The goal of this application is to help people figure out what music they would like to listen to while working out and experiment with their friends' music as well.

## Idea 2: Web app for users to create and find recipes

As home cooks, we realized that we often face the problem of opening our fridge, seeing the ingredients available to us, but then not knowing what meal to cook with what we have (or that we tend to always cook the same thing). Thus, we came up with the idea of creating an application that could, based on some list of ingredients, output a list of recipes that could be cooked with these ingredients. On top of that, if certain ingredients are missing, the application could, based on the user's location and the grocery stores in that area, calculate the price per store for the missing ingredients and recommend the best one to shop at so that the user can choose the store that offers the cheapest price for the desired ingredients. While this is the main idea, there are a lot of additional features for this application that we thought of, such as outputting the nutritional values of a recipe, having a "What are your friends cooking?" system (similar to Spotify's), being able to create a "What do I cook this week?" planner, which then gives the user a shopping list for all the necessary ingredients, and filtering for recipes not only by ingredients, but also by whether the ingredients it uses are seasonal or not, and by what type of meal (breakfast, lunch, dinner, dessert) the user would like to cook. All in all, the application would aim to make the process of figuring out what to cook and of getting the necessary ingredients - in other words, the less fun aspects of cooking - easier.