



# Personal Record



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## Description and Motivation

- Many runners prefer running while listening to music
- Asynchronous beats to a run interrupt the rhythm of runners
- Encourage runners to optimize progress, without added concern of music regulation

### The App:

- Creates playlists for runners to use based on user-inputted information, type of run, preferred genre of music, and duration of run to match the progression of ideal BPM for a run

## Target Audience

- Runners...
  - who own a cellular device
  - who are looking to optimize their runs by listening to personally curated playlists based on user-profile and heart rate
  - who want to devote more energy to progressing their athletic ability, rather than song selection

## Competitors



## User Interface

Personal Record

Input the following information:

Age (in years):

Select Activity Level:

Height:  
Feet:  
  
Inches:

Weight (in lbs):

SAVE

Setup/Settings Page

Personal Record

START A RUN

SETTINGS

Home Page

Personal Record

Select the type of run:

Duration:

Select a genre of music:

SUBMIT

Run Setup Page

Personal Record

Your Personalized Playlist:

Kayden Caldwell

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Faith Bradford

Lorem ipsum dolor sit amet, consectetur.

Elena Skinner

Lorem ipsum dolor sit amet, consectetur.

Adalynn Stone

Lorem ipsum dolor sit amet, consectetur.

Micah Stephens

Lorem ipsum dolor sit amet, consectetur.

Christian Choi

Lorem ipsum dolor sit amet, consectetur.

Victoria Edwards

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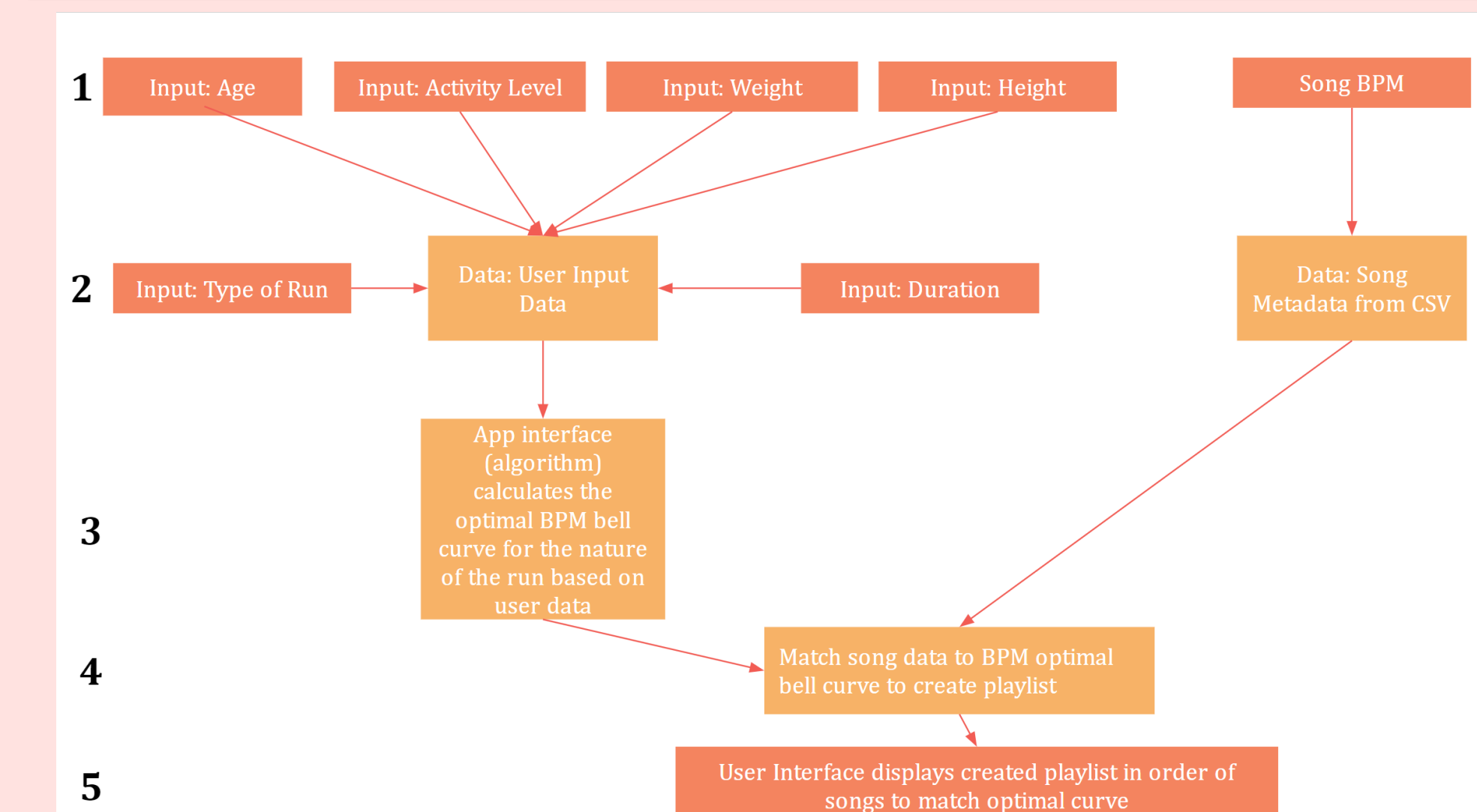
BACK TO HOME

Playlist Display Page

## Major Algorithms

- Parse through music file and sort by genre and tempo
- Match songs from file to BPM for different parts of a run
- Ensure the BPM of recommended songs follows the progression of the selected run

## App Architecture



## Future Extensions

- Connect to a Bluetooth heart sensor to match music to live heart rate readings
- Pair with a music streaming app (Spotify, Apple Music, etc.) to play music directly from the app
- Connect with friends, trainers, etc. to collaborate