

## **Release Plan, Melody Tracks, Melody Tracks Team, Revision 1 (July 3, 2020)**

### **Goal:**

Making an app that syncs songs with the user's jogging pace

### **High level goals:**

- Be able to track jogging pace of users
- Be able to get BPMs of songs
- Be able to speed up and slow down audio
- Be able to sync audio to the footsteps

### **User stories for release:**

- Sprint 1
  - As a user that is jogging, I want the app to be able to know what pace I'm jogging at so that it can let me know how fast I'm jogging (3 hours)
  - As a user that is trying to find a song that matches my jogging pace, I want to be able to know what BPM a song is (4 hours)
- Sprint 2
  - As a user that is jogging, I want the app to be able to know what pace I'm jogging highly accurately, so that it has a really good grasp of possible speed inflections (4 hours)
  - As a user that is listening to the song, I want the audio to be able to be slowed down or sped up without large distortions (5 hours)
- Sprint 3
  - As a user that wants the song I'm listening to to play with my jogging pace, I want the app to slow down or speed up songs along to my jogging pace (20 hours)

### **Product Backlog:**

- Implement step tracking in android studio
- Implement ability to play a song
- Implement ability to get BPM of songs
- Find library for audio processing songs without distortion
- Implement Spotify/Google play music integration
- Find a way to get song inflections and overlay the beat in the UI
- Track total distance traveled

### **Product Presentation:**

<https://docs.google.com/presentation/d/1h5VRU2SHKw7UtsW78HhDhZ-SqvXZQmCYf0Fsc9IyQhk/edit?usp=sharing>