**Problem**
- Runners fidget with their music players while running.
- Songs can be too slow or too fast for their current pace.

**Target Users**
- People who enjoy listening to music while they run on treadmills.

**Solution**
TreadTracks aims to work for the runners, matching the tempo of their music with their pace.

- **Music Player** imports music and playlists from the user’s phone.
- **Dynamic Time Warping** changes the tempo of the current song to match the user’s running.
- **Logging Run Statistics** enables the user to view statistics on their current and previous runs.

**Design Evolution**
- Stats page in column format
- Action bar for all navigation
- Simplified music player page
- Removed calibration page
- Slider for tempo selection

**Final Prototype**

**What it does**
- Connects with existing media library
- Matches the tempo of the song to your pace
- Uses the accelerometer to detect steps
- Log statistics for each run

**Future Work**
- Distance Estimation
- Minimizing tempo changes through smart song selection
- Social media integration
- More robust tracking methods