Heart Rate Adjuster

Produced by:

<u>**Group #12**</u>
Tae-Min Kim
Revan Sopher
Nikhil Shenoy
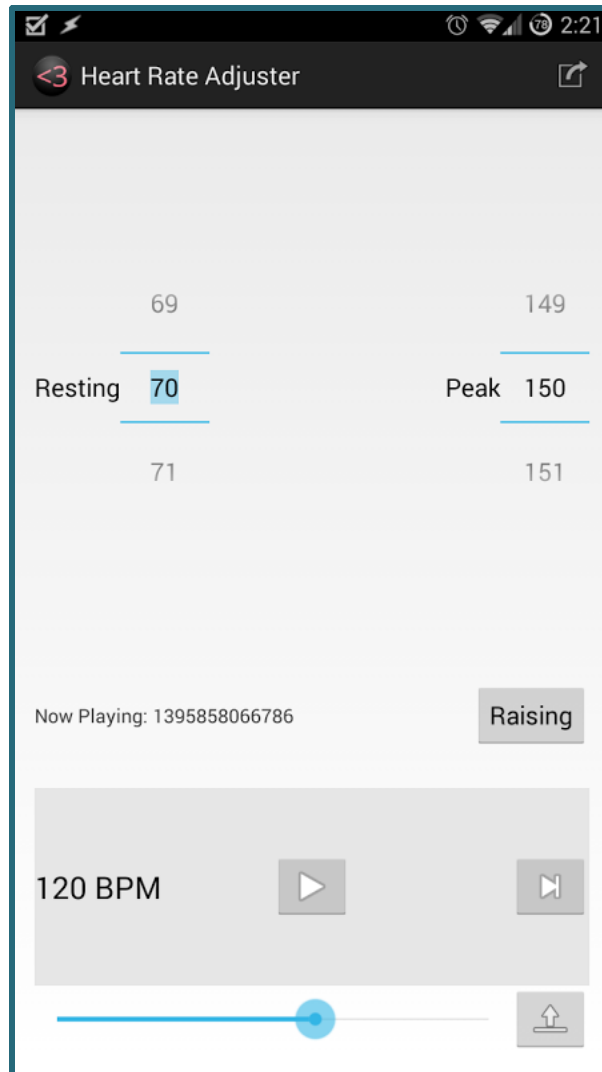**Jonathan Chang**
Kenneth Bambridge
Samani Gikandi

The Issue

- Working out is difficult

- Maintaining motivation is difficult

- Understanding your performance is difficult

The Solution (Our Product)

- Android Application

- Music Player + Heart Rate Monitor

- Helps reach a target heart rate

- Own algorithm relating **tempo** with **heart rate**

Graphical User Interface

- Toggle Playback

- Skip Track

- Adjust Target

- Graphs

Music Player

- Own algorithm to relate **music tempo** to **heart rate**
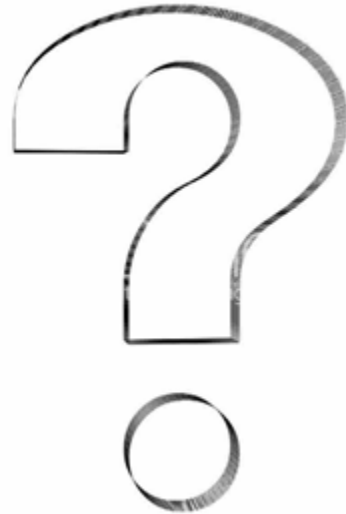- Chooses an **appropriate track**

Data Manager

- **Receives data** from Heart Rate Monitor

- **Logs session data** in a database

- **Constructs graphs** based on logged data

Looking Ahead

- **Integrate** Data Manager with UI seamlessly

- Develop more **advanced** and **aesthetically** pleasing graphs

- Fine-tune UI to **simplify** yet **maximize** user experience

- Develop **Heart Rate Monitor** subsystem

Any Questions?

Thank you for listening and check out our website!

https://github.com/revan/HeartRateAdjuster