

Heart Rate Adjuster



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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
- Adjust Resting
- 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



Promises from Demo I

- Integrate UI and data management
- Set warnings for improper use



Developed Since Demo 1

- Integrated Data Manager with UI seamlessly
- Developed extra graphs to display song statistics from the workout
- Implemented warning for dangerous heart rate.
- Fine-tuned UI for simple and intuitive user experience by adding two new functions
- Implemented Hardware interface

Any Questions?



Thank you for listening and check out our website!

<https://github.com/revan/HeartRateAdjuster>