
Rock My World

101 W Broadway
San Diego, CA 92107

Custom Graph View

OVERVIEW

We want to display to the end user a visual representation of some fitness data that they theoretically accumulated during a workout. We have an array of heart rate values ranging from 120 to 190 bpm and a duration in seconds for the workout. Our designer has suggested that plotting these points on a graph would give the users a clear representation of their performance.

GOALS

1. Create a custom graph view that dynamically plots the values over time
2. Create a view that visually shows the progression throughout the workout

SPECIFICATIONS

Using the packaged project, add a `GraphView` class that takes an `NSArray` of bpm data and a duration and draws a view with the time data on the X-axis and the bpm points on the Y-axis evenly distributed.

REQUIREMENTS

- Must use Objective-C
- Must draw UI programmatically (without use of Storyboard/Nib/Xib)
- Must be able to change data and redraw
- Should not hardcode any values or data within the view