

TRACKRECORDRACE

Claudia Trafton '16

Dr. Spezialetti

Abstract: TrackRecordRace is a mobile application that allows runners to record statistics about their individual runs, record and view their results, as well as challenge other runners to races via the app. This app was developed with the intention of using technology to motivate smartphone users to stay in shape by running. While some people are motivated by seeing their individual results, others are motivated by competition with others. Having these important functionalities makes running a fun, interactive, and social experience.

TrackRecordRace tracks and stores distance, speed, average pace and calories of each run conducted by the user and stores it in the cloud. Additionally, while running, users can view a map of their path as well as their speed in real time. When they complete a run, they can view the statistics on that run. A user may challenge another user to a race by going for a Challenge Run, and then selecting a friend to challenge. This friend will receive a push notification on their device informing them of the challenge request. They can then complete the challenge on their own time. When the challenged user reaches the distance they received, the software will decide a winner based on the times sent in by both users. Both users will be notified of their win or loss.

The application was intentionally designed to be user friendly. The layout was created to the Google Material Design specifications as well as makes use of the views provided within the library. The application also relies on Google's Fused Location API to ensure accuracy in distance, speed, and map coordinates.

No matter what motivates you, TrackRecordRace provides you the tools to get you in running shape with a sleek and user-friendly app that will change your running experience.