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# Introduction

* 1. Summary and Purpose
     1. The intent of this application is for end users to easily log and track their running and walking activities. End users should be able to monitor their activities by viewing and personalizing visualizations, generate customs reports for all fields available, and log all their activities with several available fields so that they can make their activities as detailed as they would like.
  2. Target Audience
     1. Runners and walkers of all ages and skill levels who wish to track their performance and progress. Users can be as detailed and thorough as they would like.
  3. Non-functional Requirements
     1. Performance
     2. Security
     3. Scalability
     4. Availability.

# User Requirements

* 1. Describe the features and functionality required for the application, such as user registration and authentication, logging runs and walks, viewing logged events, and generating reports.
  2. List any user roles and their respective permissions, such as admin, user, coach, etc.

# Technical Requirements

* 1. Specify the technology stack to be used for developing the application, such as front-end frameworks, back-end frameworks, databases, and hosting platforms.
  2. Specify any third-party integrations required for the application, such as payment gateways, mapping APIs, social media APIs, etc.

# Data Requirements

* 1. Specify the data to be collected and stored by the application, such as user profiles, logged events, and reports.
  2. Specify the data formats and data structures to be used for storing and processing the data.

# Reporting Requirements

* 1. Specify the types of reports to be generated by the application, such as calendar views, statistics, and charts.
  2. Specify the tools and techniques to be used for generating the reports, such as Python or R scripts, charting libraries, etc.

# Analytics Requirements

* 1. Specify the types of analytics to be performed on the logged data, such as trend analysis, correlation analysis, and clustering.
  2. Specify the tools and techniques to be used for performing the analytics, such as Python or R scripts, machine learning algorithms, etc.

# Design Requirements

* 1. Specify the design principles and guidelines to be followed for the application, such as UI/UX standards, branding guidelines, and accessibility standards.

# Legal Requirements

* 1. Specify any legal requirements that need to be met by the application, such as GDPR, CCPA, or HIPAA compliance.

# Project Timeline

* 1. Specify the project timeline, including major milestones and deadlines for each phase of the project.