

Implementation Documentation

Team Name: Kin Kin

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2. Preface

- The expected readership of this requirements documentation are the stakeholders, including the students, teaching assistant (TA), and professor. This is version 0.1 of the design documentation.

3. Introduction

- Kin Kin aims to fulfill a gap in the health-monitoring market by connecting personal trainers to clients and providing a platform for their health monitoring. Kin Kin will allow users to create a profile and seek a personal trainer. Personal trainers will be able to list themselves as available and connect with potential clients. After connecting, personal trainers will be able to create a custom workout program for their clients and monitor their progress. Users can create and track goals with their personal trainers. Health data from the client will be collected from the client's activity tracker, like an Apple Watch. This system will work with API's like Apple HealthKit to collect health-monitoring data.

4. Architectural Change:

- We did not make any architectural design changes.
- We are still using both the Model-View-Controller design pattern and the repository architecture pattern to implement our project.

5. Detailed Design Change:

- We have not made any explicit design changes in our project.
- We will be repurposing the ActivityTracker class to log user health data, rather than import health data from a health tracker.

6. Requirement Change:

- Functional Requirement 1.1.2 “Profiles shall display achieved badges, workout streaks, and activity subject to user control.”
 - i. This requirement has been modified so that the achieved badge feature is dropped from core features of the profile.
 - ii. This change simplifies the profile design as it removes a nonessential attribute from the user description.
 - iii. This feature has not been implemented and will be considered in future implementations to enhance user experience.
- Functional Requirement 1.1.4 “Clients and PTs shall be able to rate each other on an up-down basis.”
 - i. This requirement has been dropped from the core features of the application.
 - ii. This change does not impact the design of the overall application.
 - iii. This feature has not been implemented and will be considered in future implementations to enhance user experience.
- Functional Requirement 4.4.3.1: Clients can connect activity trackers to Kin Kin.
 - i. This will change our design by causing us to modify the ActivityTracker package. We will no longer use this package as a tool for importing health data from a wearable, but rather as a tool for users to log their health data.
 - ii. This feature has not been implemented and will be considered in future implementations to enhance user experience.