

2340 Team 6 Sprint 1

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June 2024

1 MVVM Architecture

We followed the MVVM architecture by packaging our model, viewModel, and view into `com.example.healthtrack.model`, `com.example.healthtrack.viewModel`, and `com.example.healthtrack.view` respectively. Our model package contains `User.java`, which represents the data layer of our project. Our view package contains various files that are responsible for the UI of the software and how the user interacts with the software. Finally, our viewModel package contains various files that act as intermediaries for view and model to manage the data from the UI while still maintaining a separation between view and model.

2 Project Management

For our project management tool, we used Trello to visualize our workflow and properly assign responsibilities. We created a shared board on Trello with multiple lists representing work to be done in each sprint, tasks that we are currently working on (with users attached to keep track of who is working on what), and work that has already been completed.

3 Scrum Meetings

We conducted scrum meetings most days after class and once on the weekends. During these meetings, we checked in on our completed work and planned out the work and responsibilities of each team member. We gathered feedback on the project from each member and received possible insights from each member, allowing us to stay updated on each others progress and our plan to proceed.

4 Domain Model Nouns

1. Workouts - Class
2. Users - Class
3. Community forums - Class

4. Forum names - Attribute
5. Leaderboard - Attribute / Potential Class
6. Community posts - Class
7. Community challenges - Class
8. User name - Attribute
9. Workout name - Attribute
10. Calories - Attribute
11. User weight - Attribute
12. User height - Attribute
13. User heart rate - Attribute
14. User sleep patterns - Attribute
15. Resource library - Class

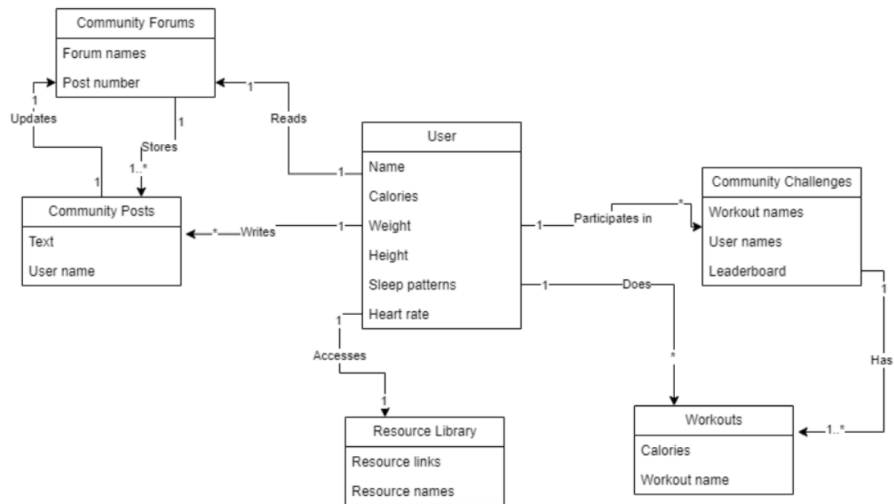


Figure 1: Domain Model

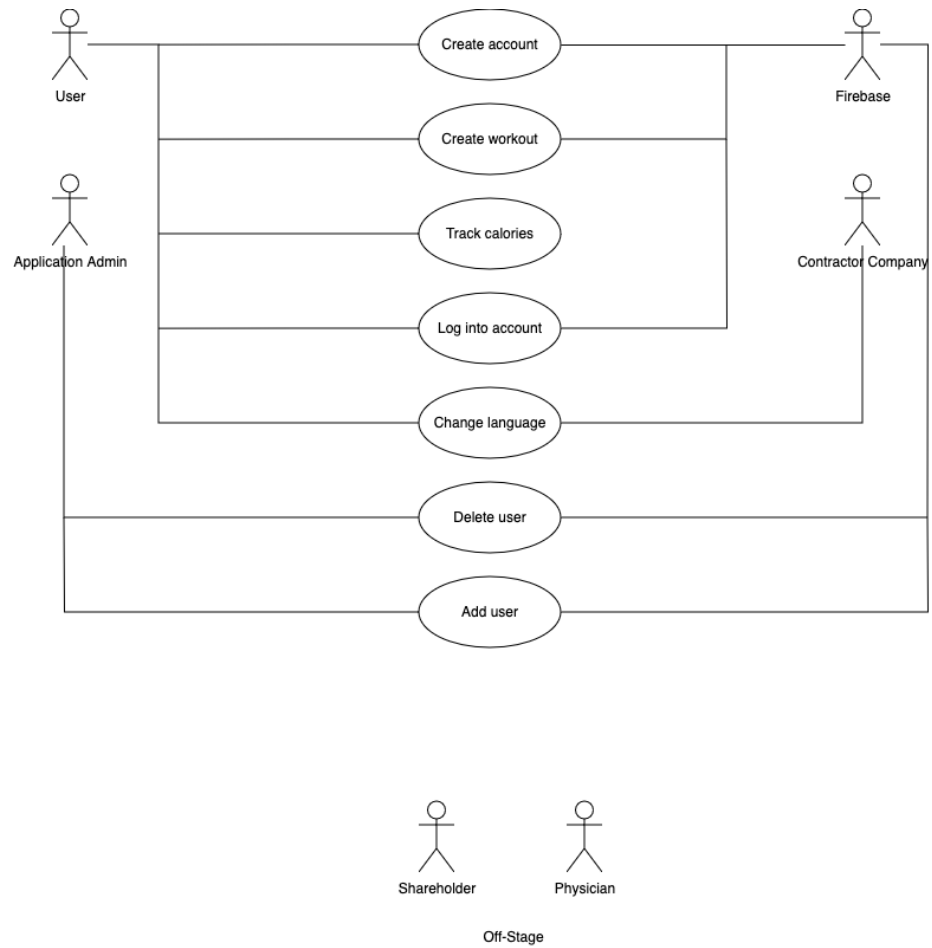


Figure 2: Use Case Diagram

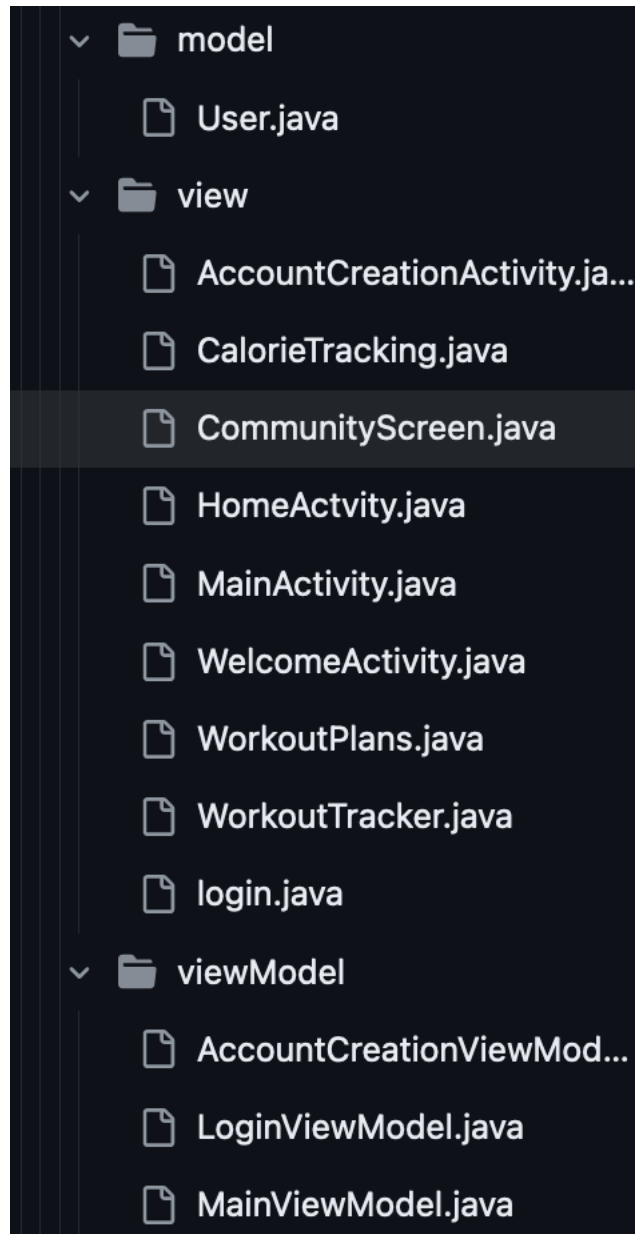


Figure 3: MVVM Architecture