

Sprint 1 Plan - Project Jimmy

Team roles:

ChuanHsin Wang - Scrum Master

Kushal Lahoti - Product Owner

Yash Phatak - Developer

Wei-Chien Cheng - Developer

Kuan-Ru Huang - Developer

Barry Liu - Developer

Mrunmay Deshmukh - Developer

Customer meeting date/time/place:

Date: 27th September 2024

Time: 10:00am - 10:30am

Place: Google Meet

Summary:

The primary customer need for the "Jimmy - The Gym Buddy Finder App" is to address the difficulty college students face in finding motivated and compatible workout partners. Many students struggle to maintain a consistent fitness routine due to a lack of accountability and companionship in their fitness journeys. Jimmy is designed to connect students who share similar workout interests and fitness goals, making it easier for them to find gym partners, join sports teams, and participate in group activities. The application provides a user-friendly platform where students can create profiles, indicate their workout preferences, and browse potential partners within the campus community.

Jimmy meets this need by offering a feature-rich platform tailored specifically for college students. By requiring users to sign up with a university email, the app ensures a trustworthy and exclusive environment for the student body. Key functionalities include profile creation, fitness preference matching, and messaging capabilities to coordinate workouts. This allows solo gym-goers to find partners easily, sports teams to recruit members, and active students to participate in intramural sports. Stakeholders include university students, sports teams, fitness clubs, and the university administration, who benefit from increased student engagement, participation in fitness activities, and overall well being on campus.

User stories: A total of 7 user-stories have been added to the sprint plan.

Feature: Front-End Login Page

*As a user intending to log in to the application,
I want to see a button that allows me to sign in with my Google account,
So that I can easily initiate the login process using Google
Authentication.*

Scenario 1: Enter the login page

Given: I am on the login page

When: I enter the login page

Then: I should see the button labeled "Sign in with Google"

Scenario 2: Successfully Login to a well-configured account

Given: I am on the login page

When: I press the "Sign in with Google" button

Then: I should be directed to Google Authentication

And: I should be redirected to the Dashboard page.

Scenario 3: Login Failed

Given: I am on the login page

When: I press the "Sign in with Google" button

Then: I should be directed to Google Authentication

And: If the login fails, I should see a message "Login failed, please try again"

And: I should be redirected back to the login page

Scenario 4: Successfully login to a non-configured account

Given: I am on the login page

When: I press the "Sign in with Google" button

Then: I should be directed to Google Authentication

And: I should be redirected to the Initial Profile Setup page.

Feature: Integration with 3rd-Party Authentication

As a developer,

*I want to integrate Google Authentication with the login system,
So that users can securely log in using their Google account credentials.*

Scenario 1: Redirect to Google Authentication.

Given: The user presses "Sign in with Google".

When: The request is sent to Google Authentication.

Then: The user should be redirected to the Google Authentication page.

Scenario 2: Login Failed.

Given: The user is on the Google Authentication page.

When: The authentication fails.

Then: The user should be redirected back to the login page with a failure message.

Feature: Dashboard Navigation

As a user

*So I can understand the available features and manage my profile
I want to see feature introductions and navigate to the user profile
management page*

Scenario: View feature introductions and navigate to User Profile Management

Given: I am on the dashboard page,

When: I enter the dashboard for the first time,

Then: I should see introductions for each feature displayed on the screen,

When: I click the "User Profile" icon,

Then: I should be navigated to the User Profile Management page.

Feature: User Profile Management

As a user

So I can update my personal information

I want to be able to change my photo, modify my name, select my gender, and set my age on the profile management page

Scenario: Edit user profile details

Given: I am on the User Profile Management page,

When: I want to update my profile,

Then: I should be able to upload and change my profile photo,

And: I should be able to modify my name,

And: I should be able to select my gender from a dropdown menu,

And: I should be able to set or update my age using a date picker,

And: I should be able to save these changes,

And: I should see a confirmation message when the updates are successfully saved.

Feature: Set Up a Database for Storing User Profiles.

As a software developer,

So as to store user details,

I want to design and set up the database schema for user profiles.

Scenario: Create tables for user profile

Given: the need to store user profiles,

When: setting up the database,

Then: the system should create a user profile table to store user-related information.

Feature: Integrate Frontend with Backend for User Registration

As a software developer,

So as to allow the frontend to send user registration details,

I want to expose functions for user registration that the frontend can call.

Scenario: Frontend sends user registration data to the backend

Given: a user fills in their registration details on the frontend,

When: the user submits the form,

Then: the frontend should call the backend function,

And: the backend should store the user information in the database.

Feature: Create PR-Build CI/CD Pipeline for Automated Building and Testing of Code

As an software engineer,

So as to ensure code quality before merging into the main branch,

I want to set up a CI/CD pipeline that automatically builds and tests code on every pull request.

Scenario: Set up PR-triggered CI/CD Pipeline

Given a developer has created a pull request on the repository,

When the pull request is opened or updated,

Then the CI/CD pipeline should automatically trigger a build,

And the pipeline should run all tests,

And the build and test results should be displayed in the pull request status,

And the pull request should not be mergeable if the build or tests fail.

User interface: Lo-fi UI mockups and storyboards

Login Page

Jimmy

The Gym Buddy Finder

Workout Buddies

Sign in with Google

Basic Dashboard

- Enter your personal information and buddy preference.
- Log your daily workout activity.
- Swipe right to match people you'd like to work out with.
- Connect with your workout buddies through chat.

JIMMY - GYM BUDDY FINDER

User Registration Form

Name _____

Age _____

Gender _____

User Profile Management

Name _____

Gender _____

Age _____

School _____

Major _____

Fitness Goals

Weight loss Muscle gain

About me _____

Workout type

Tennis Fitness

Buddy Preference

Gender

Age range

Sprint backlog

1. What is the sprint goal?

In this sprint, we aim to implement the basic setup of the application along with user registration using third-party login options. We will start by creating a user-friendly login page that allows users to log in using services like Google. For the first time, the user can create their profile with basic details. Next, we will develop a dashboard that displays important user information and a profile page where users can view their details. We will set up the backend and database to store user information. Finally, we will test it to ensure everything works smoothly.

2. Which stories were pulled into the Sprint? How many points? To whom is each story assigned?

| Stories | Points | Assigned To |
|---|--------|------------------|
| Front-End Login Page | 3 | Kuan-Ru Huang |
| Integration with 3rd-Party Authentication | 3 | Barry Liu |
| Dashboard Navigation | 3 | ChuanHsin Wang |
| User Profile Management | 3 | Wei-Chien Cheng |
| Integrate Frontend with Backend for User Registration | 3 | Yash Phatak |
| Set Up a Database for Storing User Profiles | 3 | Mrunmay Deshmukh |
| Create PR-Build CI/CD Pipeline for Automated Building and Testing of Code | 3 | Kushal Lahoti |

3. What are the tasks and their time estimates?

- Front-End Login Page - 1 Week
- Integration with 3rd-Party Authentication - 1 Week
- Dashboard Navigation - 1 Week
- User Profile Management - 1 Week
- Integrate Frontend with Backend for User Registration - 1 Week
- Set Up a Database for Storing User Profiles - 1 Week
- Create PR-Build CI/CD Pipeline for Automated Building and Testing of Code - 1 Week

Links to our GitHub Repo, Pivotal Tracker, and Slack workspace under

- **Github Repo** - <https://github.com/tamu-edu-students/jimmy-gym-buddy-finder>
- **Pivotal Tracker** - <https://www.pivotaltracker.com/n/projects/2721606>
- **Slack Workspace** - <https://app.slack.com/client/T07P2NT2ZM1/C07P00FFRGD>