**User Story: Creating Profile and Navigating App Features**

**Title**: User signs up, creates a profile, and interacts with the app’s main features (summary, gym locations, workout plans, community, and workout monitoring).

**As a** user,

**I want to** sign up, create a profile through a quiz, and use the app’s features to manage my fitness activities,

**So that** I can receive personalized workout recommendations, track my progress, and engage with the fitness community.

**Acceptance Criteria:**

1. **Sign-Up & Login**

• Users must sign up or log in to access the app.

• **Success Criteria**: Users who successfully log in are directed to the profile creation process.

2. **Profile Creation via Quiz**

• After signing up for the first time, users are prompted to complete a quiz to create their profile.

• The quiz asks questions like height, weight, workout frequency, fitness goals, etc.

• **Success Criteria**: The quiz results are saved, and a personalized profile is created for the user.

3. **Main Navigation**

• The app has a sidebar that can be triggered from the top-left.

• There are 5 main pages with buttons on the bottom navigation bar: **Summary**, **Sites (Locate Gym)**, **Workout**, **Plans**, and **Sharing (Community)**.

• **Success Criteria**: Users can easily navigate between the 5 pages using the bottom navigation bar.

4. **Summary Page**

• Users can view their **activity rings** (move, exercise, stand), **step counts**, **distance**, and a **calendar of workouts**.

• Workout trends and a summary of workouts for different body parts are displayed.

• Users can click on a date to view detailed workout history and stats.

• **Success Criteria**: All fitness data is displayed accurately, and users can navigate to detailed history.

5. **Sites Page (Gym Locator)**

• Users can see a **map** with nearby gyms and workout places.

• Saved and recent places are displayed at the bottom of the screen.

• Users can **search** for workout places and **filter/sort** them by criteria like proximity, rating, or equipment.

• Users may be **advised** a spot by their workout plan.

• After selecting a location, users can view details such as pictures, activities, equipment, rates, location, available time, and similar places.

• **Success Criteria**: Users can search, filter, and select a gym or workout place, and view detailed information.

6. **Plan Page (Workout Plans)**

• Users can view **AI-recommended workout plans**, with the option to edit or create their own plans.

• **Success Criteria**: Users can either modify the suggested plans or create new plans from scratch.

7. **Sharing Page (Community)**

• Users can search and browse blogs and articles posted by other users.

• Users can **add friends and coaches** here and find activities or events they can attend.

• **Success Criteria**: Users can successfully connect with others and engage with community content.

8. **Workout Page**

• Users can start a workout based on templates created by their workout plan.

• They can add additional exercises to the workout if desired.

• The **camera** monitors the user’s movements, and AI gives feedback on whether the movement is correct or incorrect. If incorrect, instructions are provided on how to fix the movement.

• The workout data is recorded and used to **update the workout history** in the **Summary page** and **Plan page**.

• **Success Criteria**: Users can complete workouts with AI guidance, and the system updates workout history and plan accordingly.

**Scenario 1: New User Profile Creation**

• **Given** I have just downloaded and installed the app,

• **When** I sign up and complete the quiz,

• **Then** the app should create a personalized profile for me and guide me to the app’s main features.

**Scenario 2: Navigating Between Pages**

• **Given** I am on any page in the app,

• **When** I use the navigation bar at the bottom,

• **Then** I should be able to switch seamlessly between the **Summary**, **Sites**, **Workout**, **Plans**, and **Sharing** pages.

**Scenario 3: Using Workout AI Feedback**

• **Given** I am performing an exercise using the workout page,

• **When** I perform the movement incorrectly,

• **Then** the AI should provide real-time feedback and suggest how to correct my posture or movement.