**CS673 Software Engineering**

**Fitfusion**

**User Story Integration**

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**Revision history**

| **Version** | **Author** | **Date** | **Change** |
| --- | --- | --- | --- |
| **V1** | **Jiankun Dong** | **12/07/2024** | **Integrate and summarize the user stories from all team members, and assign them to different iterations.** |
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# **Introduction**

This file is to summarize the user stories on Jira that were created by different team members and put them here together to check the finishing status. Also, with assigning to different iterations, it will make the push of the project more target-oriented and efficient.

# **Preliminary assumption of situations**

As a fitness beginner, I want to create a personalized workout plan, so that I can have more confidence and motivation to start my training targets.

As a busy white-collar, I want to formulate a short-term fitness plan and receive timely push notifications, so that I can remember how to relax physically after work.

As a professional fitness coach, I want to design detailed training plans and agendas, so that I can share them with my students.

As a parent, I want to create a family training account, so that I can track my children’s training and physical situations.

# **User Stories**

**Finished in iteration 1:**

1. **Record Fitness Data**

As a user, I want to record my fitness postures and duration, so that I can adjust my fitness plan accordingly.

**Corresponding acceptance test:**

Given the user is logged in, when they record their fitness postures and duration, then the data should be saved in the system and shown on their account

1. **Tracking Progress**

As a user, I want to check my progress so that I can track my daily exercise and maintain continuous fitness habits.

**Corresponding acceptance test:**

Given a user is logged in, When the user goes to the progress page, Then the user can track their progress comparted to the goal they set.

1. **Video and Illustration Support**

As a user, I want to have video and illustration support for exercises, so that I can visually learn how to perform exercises correctly and safely.

**Corresponding acceptance test:**

Given I am on the search exercises page,When I enter a search term and click the search button,Then I should see a list of exercises in the “Showing Results” section with dynamic images of each exercise.

1. **User Login**

As a user, I want to have a secure and easy-to-use login function so that I can access my fitness tracking data and progress.

**Corresponding acceptance test:**

Given I am on the login page, when I enter valid credentials and click submit, then I should receive a login confirmation reminder and be redirected to the welcome page.

1. **Exercise Tracking**

As a user, I want to log my exercise duration and intensity so that I can monitor my fitness progress and make adjustments to my workout schedule.

**Corresponding acceptance test:**

Given I am on the exercise logging screen, when I enter my exercise duration and intensity and press submit, then the system should save the data and show me a confirmation message.

**Finished in iteration 2:**

1. **User Profile**

As a user, I want to create and manage my profile in the fitness app so that the system can provide personalized workout plans and tracking based on my personal information (such as fitness goals, health data, etc.).

**Corresponding acceptance test:**

Given I’m at the user profile page, when I type my personal information and click save, then my profile will be displayed and visible to other users.

1. **Performance Improvement**

As a user, I want to have website respond to my requests in a timely manner even when a large number of users are using the website at the same time, so that I can have a smooth experience with the website.

**Corresponding acceptance test:**

Given there are many users that will use the website simultaneously, when I save some records or build a new plan, then the website can still give quick responses and keep my experience fluent.

1. **Backend support for iteration 3: (Not a story, but a focus point, and a lot of work has been done)**

Implemented the following sections: user\_profile, workout\_log, exercise, workouut\_plan. This provides the fundamentals for iteration 3’s following user stories: calendar, daily activity, personalized fitness plan.

**Finished in iteration 3:**

1. **Check the daily activity**

As a user, I want to check my daily activity so that I can track my daily exercise and maintain continuous fitness habits.

**Corresponding acceptance test:**

Given users have logged in. When users visit the daily fitness page, then the activity of the day, including the type and duration of exercise, will be displayed.

1. **Personalized Fitness Plan**

As a Personalized Fitness Plan, I want to build my personal practice plan, so that I can follow this plan to have a better performance.

**Corresponding acceptance test:**

Given a personalized fitness plan, when people log into account, then go to their own page to build their own fitness plan.

1. **Website security**

As a user, I want the website to be secure against attacks, so that my information stays safe and my access to the website stable.

**Corresponding acceptance test:**

Given the website is running, When the user tries to access the website, Then the user's data should be secure and connection stable.

1. **Video and Illustration Support**

As a user, I want to have Youtube video and illustration support for exercises, so that I can visually learn how to perform exercises correctly and safely.

**Corresponding acceptance test:**

**Given I am on the exercise detail page,When I click on an exercise,Then I should see an embedded video that demonstrates the exercise.**

1. **Calendar for Daily Exercise Tracking**

As a user, I want a calendar feature in the fitness app where I can view my daily workout schedule. This feature should display my planned exercises for each day, helping me stay on track with my fitness goals.

**Corresponding acceptance test:**

Given I’m at the Record training page, when I select a certain date to record my exercise items on that day, then it will be correctly stored and displayed for me to reference.

1. **Push Notifications**

As push notifications, I want the website to notify me what time I should practice and what I should practice today, so that I can have a better schedule.

**Corresponding acceptance test:**

Given push notifications, when people build their own plan, then turn on the notification on their phone or computer.

**Backlogs and Icebox ideas:**

1. **AI-based function**

As a fitness beginner that has no idea how to start training, I want to seek advice from the product’s AI fitness chatbot, so that I can get a scientifically generated training plan that suits my target and physical condition.

1. **Search for items by keywords**

As a trainer that finds correct training items, I hope to search for a certain fitness project or item(such as Push-up, Yoga, rowing or boxing) through keywords, so that I can acquire specific knowledge with the do’s and don’ts for them.