

Iteration 1 Spring Planning Document - getFit

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Background Information

Our team has submitted a project charter, project backlog and design document highlighting the problem statement and important aspects of our mobile phone application. We have made key decisions on design priorities and issues. Moreover, a mockup of the graphical user interface design of the application has also been created.

Description

This document describes in detail the goals of the first sprint iteration starting on **Feb 2nd** and ending on **22nd Feb**. We have divided each user story into various tasks and have assigned these tasks to one of our team members. Every task is divided into units of 4 hours and assigned to a member based on his expertise and knowledge of that task.

In this first sprint, we will have the basic android application ready with the most important features implemented along with establishing connection with Facebook Parse. We will also set up the NoSQL database on Parse for the respective features. The units described not only include the time for developing and testing but also the time it may take to learn certain applications and new features.

Sprint length: 3 weeks

1 Unit = 4 hours

User Stories

User Story: Welcome Page

Once I open the application, a welcome page that allows me to either sign up or login should greet me.

1. Task Owner: Jai Nalwa
 - Create the graphical user interface and the application side code for the welcome page.
 - 1 Units

User Story: Create a new Account with .edu email address

I should be able to create my account using .edu email address on the getFit app so that I can later access my profile information and personal workout schedules.

1. Task Owner: Gurmukh Uttamchandani
 - Create the graphical user interface for the profile screen using XML in Android.

- 1.5 Unit
- 2. Task Owner: Rishabh Mittal
 - Write the Java code on the application side, which acts as a controller to extract values entered by the user, and pass them to the related function.
- 1 Unit
- 3. Task Owner: Ishan Shah
 - Write the Java code to send the information to Facebook Parse and respond back to the application whether the data is stored successfully.
- 1 Unit
- 4. Task Owner: Neeraj Agrawal
 - Create the Parse Object class to store the user information on the backend database.
- 1.5 Unit

User Story: User Profile and Edit Profile

As a user, I should be able to view my information and update it when required after logging in.

- 1. Task Owner: Rishabh Mittal
 - Create the graphical user interface for viewing and editing the user profile using XML in Android.
- 1 Unit
- 2. Task Owner: Gurumukh Uttamchandani
 - Write the Java code on the application side that allows the user to view and edit his/her information including the profile picture.
- 2 Unit
- 3. Task Owner: Neeraj Agrawal
 - Write the Java code to send the information to Facebook Parse and respond back to the application whether the user profile information is edited successfully.
- 2 Unit

User Story: Login with .edu address

I should be able to login into my account to access my information once I have created a new account.

- 1. Task Owner: Rishabh Mittal
 - Create the graphical user interface for the user to provide the login information.
- 1 Unit
- 2. Task Owner: Gurumukh Uttamchandani
 - Write the Java code on the application side to extract the login information entered by the user and pass them for verification to related function.
- 1.5 Unit

3. Task Owner: Neeraj Agrawal

- Write the Java code to verify the login information from Facebook Parse and display the appropriate message.

■ 1.5 Unit

User Story: Login and Create Account with Facebook

I should be able to login and create a new account by using Facebook credentials in order to avoid creating an account on getFit using my .edu email address and manually entering my extra profile information.

1. Task Owner: Rishabh Mittal

- Create the graphical user interface and the application side Java code to extract and provide this information. Work on integrating it with Facebook Parse along with Ishan and verifying whether the login and account creation works.

■ 2 Unit

2. Task Owner: Ishan Shah

- Write the Java code to provide the ability to the user to login from his/her Facebook account in accordance with Rishabh. The Facebook Parse database should be updated and linked accordingly.

■ 2.5 Units

User Story: Base Workout Schedules

I should be able to view the base workout schedules, which are already available and are categorized into basic, intermediate and expert so that I can get started with my workout right away.

1. Task Owner: Gurmukh Uttamchandani

- Create the graphical user interface for the user to view the base workout schedules.

■ 2 Units

2. Task Owner: Ishan Shah

- Write the Java code to load the base workout schedules from the Parse database and convey the information to the application.

■ 2.5 Units

3. Task Owner: Neeraj Agrawal

- Create the Parse class object to store the base workout schedule.

■ 2 Units

4. Task Owner: Jai Nalwa

- Populate the base workout schedules with the different levels of base workouts and their details.

■ 2 Units

User Story: White-box / Black-box Testing

I shouldn't have any problems in navigating through the basic features of the getFit app. The app should be very usable and should work without crashing.

1. Task Owner: Jai Nalwa
 - Progressively go through the application code and perform unit testing and corner case testing to ensure the robustness of the application. Moreover, also perform black-box testing and improve the usability of the application.
 - 2 Units

User Story: Compatibility with different Android devices

I should be able to run the application on various Android devices like cell phones and tablets without any compatibility problems.

1. Task Owner: Jai Nalwa
 - Install and check whether our application runs perfectly on various Android devices.
 - 1 Unit
2. Task Owner: Rishabh Mittal
 - Make the necessary changes to XML in order to make the application easily usable on various devices.
 - 1 Unit

Tasks/ Objectives without User Stories

1. Setup Android Studio Integrated Development Environment on all of our team members computers and link it with github.
 - Task Owners: All Members
2. Understand Facebook Parse Framework thoroughly so as to perfectly integrate it with Android.
 - Task Owners: Neeraj Agrawal and Ishan Shah
3. Create an email account and Facebook Parse account for getFit.
 - Task Owner: Neeraj Agrawal
4. Weekly Meetings to ensure the team is making progress.

Total Units:

Jai Nalwa - 6 units

Neeraj Agrawal-7 units

Gurmukh Uttamchandani-7 units

Ishan Shah-6 units

Rishabh Mittal- 6 units