Iteration 3 Spring Planning Document - gym8

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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 also had a demo of the application after Sprint I and Sprint II to present the features of the application.

Description

This document describes in detail the goals of the third sprint iteration starting on **April 6th** and ending on **May 1st**. We have divided each user story into various tasks and have assigned these tasks to each 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 the first sprint, we created the basic Android application with the basic features implemented, along with establishing connection with Facebook Parse. The working features for the sprint included the entire login/signup module, populating the database with exercises/workouts and displaying base workouts.

In the second sprint, we created the most important features like finding nearby workout mates, creating a custom workout schedule and displaying trending workouts. We also implemented the ability to signout from the application and displayed all the profile information of a user including the workout he/she follows.

In the third sprint, we will implement the chat feature which will give users the ability to communicate with users who can be found by using the 'Find Nearby' feature. We will also clean up the code and make it more elegant, so that the backend of the application can support the front end in a more streamlined manner. Lastly, we will put our application through various testing phases and remove any corner case bugs that it contains.

Sprint length: 3 weeks
1 Unit = 4 hours

User Stories

User Story: Chat Application User Interface
Users should be able to chat with users who can be found after using the 'Find Nearby' feature. This will help the user to coordinate with each other so that they can workout together.

1. Task Owner: Gurmukh Uttamchandani
   ○ Create the User interface for chat application.
     ■ 3 Units

User Story: Server Side programming to implement Chat Application
I should be able to chat with other users and should be able to view the past messages.

1. Task Owner: Ishan Shah
   ○ Write Parse code to implement data storage for chat.
     ■ 3 Units
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.
     ■ 2 Units

User Story: Update Overall User Interface
The user interface of the application should look elegant and have a material design as per Android Lollipop.

1. Task Owner: Gurmukh Uttamchandani
   ○ Edit user interface of the entire application to implement a material design, including updating the navigation and adding animations.
     ■ 2 Units
2. Task Owner: Rishabh Mittal
   ○ Make the necessary changes to the XML layout in order to make the application easily usable on various devices, and allow it to work both with landscape and portrait orientation.
     ■ 2 Units
3. Task Owner: Neeraj Agrawal
   ○ Update Graphical User Interface for custom workouts and list of exercises.
     ■ 2 Units

User Story: Application Testing

I shouldn't have any problems in navigating through the basic features of the gym8 app. The app should be very usable and should work without crashing.

1. Task Owner: Jai Nalwa
   - Perform black-box and white box testing to improve the usability of the application by setting up and using the Espresso Support Library for Android.
     - 3 Units
2. Task Owner: Neeraj Agrawal
   - Perform unit testing on the application to ensure there are no bugs which affect the usability of the application by implementing Activity Test Cases.
     - 2 Units

Tasks/ Objectives without User Stories

1. Task Owner: Ishan Shah
   - Ensuring that the principles of objected oriented programming are implemented, and conducting performance and security improvements.
     - 2 Units
2. Task Owner: Jai Nalwa
   - Removing dead code to ensure that there is no redundancy of data.
     - 1 Unit

Total Units:

Jai Nalwa - 4 units
Neeraj Agrawal- 4 units
Gurmukh Uttamchandani- 5 units
Ishan Shah- 5 units
Rishabh Mittal- 4 units