Sprint II Retrospective

gym8

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Background information

This document contains the retrospective for the goals of the second sprint iteration that started on **March 2nd** and ended on **April 3rd.**

Team Retrospective

The team worked very well together and all personal goals were achieved in good time before the end of the sprint. Here are some modifications and progress that we made during this sprint:

The following things worked really well and we will make sure to continue doing this during the next sprints:

- Worked together on tasks rather than individually to get different perspectives, which in fact increases our progress rate.
- Performed continuous and simultaneous testing of the application.
- Improved communication between our team members, primarily due to the team meetings twice a week.
- Aided other team members to help achieve personal goals.
- The team leader and the deputy team leader assured that the improvements from the last sprint were made.

We need to improve on the following things for the next sprint:

- Improve the code quality and design of the application.
- Improve the integration of the front end application with the back end.

Individual Retrospection

1 Unit = 4 hours

Neeraj Agrawal

During this sprint iteration, I was involved with back end of the application to help client store and retrieve the data for features like trending workout, find nearby users, most followed workout of the users and updating custom workout schedule in the database. The tasks went very well and we could easily combine our work in the regular meetings. The units I designated for the tasks were enough as I as an individual have got enough hold of Parse. I also used a lot of source control this sprint and could easily merge our works when needed. In the next sprint, I want to make sure that bugs in the applications are fixed so that it could be ready for a potential launch.

Expected time consuming: 7 Units
Actual time consumption: 6 Units

Rishabh Mittal

For this sprint iteration, I was responsible for building the graphic user interface for edit profile, discovery preferences and liked workouts by user. Along with this, I was also responsible for writing the application side code which corresponds to the graphic user interface. I was successfully able to finish all of my work for this sprint. Write the code for discovery preferences took more time then I had expected because I had to search and include external libraries which were a bit of a challenge to implement. But overall I think, that I was good on my time management and communication skills. For the next sprint I would like to improve on my debugging and testing skills so that the application can be ready for launch before the end of this semester.

Expected time consuming: 7 Units
Actual time consumption: 6 Units

Gurmukh Uttamchandani

During this sprint iteration, I was primarily responsible for creating the user interface for important features of the application. This included the user interface for Find Nearby Users, Trending Workouts as well as creating and displaying the Custom Workouts. My first task was to create the user interface for Find Nearby Users. This task consumed more time than anticipated, as I had to change the initial design and use few external libraries to create a clean and flat layout. However, my second task of designing the Trending Workouts was much simpler and went quite smoothly. Finally, building the GUI for Custom Workouts was also quite cumbersome. It took a lot more time and iterations to develop the user interface our team was looking for. For the next sprint I will try to be better on spreading the workload out over the entire sprint iteration, and also managing my time better.

Expected time consumption: 7 Units
Actual time consumption: 8.5 Units

Ishan Shah

My primary task during this sprint was to implement the parse backend for findnearby and create custom workout along with some other small tasks such as loading trending workouts. The parse backend was relatively easy for findnearby but took little more involvement for creating custom workouts. I worked with Neeraj to implement the findnearby feature which takes the current geolocation of the user and finds other gym buddies within particular radius and preferences as specified by the user. Parse supported storing geolocation of the user and retrieving it which was extremely helpful while implementing this feature. Creating custom workouts was more complicated as the workout was linked with the user and many exercises can be linked to one workout. Designing the data model for this feature such that it stores the workout and exercises without redundancy and retrieves it in an efficient time complexity was the major difficulty however we completed it in a perfect manner I also fixed couple of bugs and improved the overall quality of the application by removing unnecessary code. For the next sprint, I place out-most importance to fixing bugs and improving code-quality and design and hence I will be mostly undertaking this task.

Expected time consuming: 7 Units
Actual time consumption: 7 Units

Jai Nalwa

For the second iteration, I was primarily involved with populating the base workouts list, researching images to use inside the application and testing the application. For the base workout list, I found 12 workouts which were divided into three levels (beginner, intermediate and expert;there were four workouts for each level). I had to research various workout exercises to find the list of workouts which made a good combination and were also progressive of each other. For my second task, my teammates would inform me about the images that were needed for the GUI and I would search for images which matched our GUI. My last task was the most important one because I was in charge of testing our application and carried out various tests like load testing, blackbox testing and white box testing. This helped us to make a list of errors which the application faced when it was put through odd situations. For example: Trying to login into the application when the password field is empty or entered wrong. In the end I think that this sprint went really nicely and I was able to assist my teammates and finish all of my tasks by putting in the required effort. For the next sprint, I shall make a day by day plan so that we can carry on more intensive testing. This way the application should be ready for launch before the semester ends.

Expected time consuming: 7 Units
Actual time consumption: 7 Units