**Project Proposal**

**Project Name:** Be Fit

**Repository Link**: <https://github.com/neeleshsaladi/Be-Fit>

**Team Members:**

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**Project problem/issue:** In the current time of pandemic it is very difficult for people to go to gym and also take precautions of COVID19 Pandemic. To overcome this problem we are proposing this application **Be Fit**.

**Be Fit** is a Android application which helps us in pre-booking the time slots for different exercise routines that are offered in the gym, In the current times of covid19 kind of situations people are more worried about their health and safety, So if they have option to pre book the slot in gym in which there will be limited number of people and also Users can also get to choose various kind of “Exercise Routines” schedule them with appropriate times it helps in assuring the safety of the users.

Followed by that we display rate card as per their selection of which is different for every exercise routine. Then customers can view the billing amount details and can pay them at the Gym at the end of every month.

This will also help’s the gym management in getting the information of people who are using the gym on a specific time So that they can use this information for notifying other people incase of a Covid19 positive situation for a certain customer who used the gym in that time slot.

**Activities and their Purpose:**

**Sign up Activity:**

In Sign Up, User has to provide his/her basic information such as Username, E-Mail, Phone number, Password. By signing user can have easy and unlimited access to the application.

**Login Activity:**

In login activity, user can login by entering his/her credentials to their registered account. If the user was not able to login into the account by forgetting password, then they can reset their password by clicking on forgot password option and they will able to reset their password.

**Forget Password Activity:** This activity helps User in changing their password.

**Dashboard Activity:** In the Dashboard activity we have added a BMI calculator and the Exercise Routine menu starts from the Gym.

**Gym Activity:**

User will be redirected into the dashboard activity. In this activity user can find different categories of workouts such as weight training, Cardio, Yoga, Power Training. By clicking on any of these categories user will be redirected to respective page.

**BMI Calculator Activity:** This Activity is present in the Dashboard activity from there we can access it and User can calculate their Body, Mass, Index in this Activity. It helps us to find the Fat level in the Body and BMI can be used to test for weight groups that can lead to health issues but do not assess body fat or individual fitness.

**Calendar Activity:**

In calendar activity, user can view the available dates and hours of the slots and they can select the dates over there.

**Time Slot Activity:**

In this activity User will see different time slots of operating hours of gym, so that user can select specific time for going to the gym.

**Weight Training Activity:**

After selecting the required dates and time by user in calendar activity and time slot activity, if the user clicks on Weight Training option, he/she will be displayed with the slot availability for the selected date and time. If the slot is available then the user can book the slot. If the slot is filled then they will be displayed with filled option.

**Cardio Activity:**

After selecting the required dates by user in calendar activity, if the user clicks on Cardio option, he/she will be displayed with the slot availability for the selected date and time. If the slot is available then the user can book the slot. If the slot is filled then they will be displayed with filled option.

**Yoga Activity:**

After selecting the required dates by user in calendar activity, if the user clicks on Yoga option, he/she will be displayed with the slot availability for the selected date and time. If the slot is available then the user can book the slot. If the slot is filled then they will be displayed with filled option.

**Power Training Activity:**

After selecting the required dates by user in calendar activity, if the user clicks on Power Training option, he/she will be displayed with the slot availability for the selected date and time. If the slot is available then the user can book the slot. If the slot is filled then they will be displayed with filled option.

**`Rate Card Activity:**

In this activity all the selected slots of the user will be displayed at the same place by calculating the total amount per each workout session. For every workout there will be different prices so the final amount will be calculated in the page for the User to check pricing details.

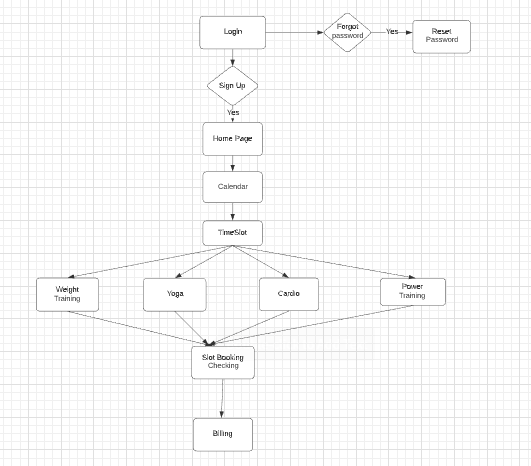
**Billing Amount Activity:**

In this activity, user will be displayed with name of customer and total amount he/she need to pay considered with rate card activity. Then the user should pay the amount at gym.

**Risky Components:**

* In our Application Be Fit we are using Firebase Database which allows us to syncing the Real-time data into the Database, The difficult part is that while handling the data we can easily upload it into the Database but while retrieving the data back to the Application and storing in the Spinners.
* And we faced a lot of problems with the git merge conflicts, we have to be very careful with it while committing the data and pulling it back by the other contributor’s we nearly lost the whole project once because of not being aware of the conflicts.

**Flow of Activities:**

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