**Backend Description**

The most Calculation in this project handling back-end and is connected to the DataBase and Front-end will be through the APIs that are responsible for making secure transaction between the Servers and Clients

The version 1.0 of this Android App(TopFit) has functionality to make workout plan base on the given information from users by registering like Weight, Hight, and etc. and remake workout plan and rescheduling for users according to the new information that they provided from user-feedback, statistic and tracking users.

TopFit version 1.0 allows users to manage their account and also attached excited account to new account and transform all information and workout history from the previous account.

TopFit version 1.0 has provided admin tools to manage the accounts

* DataBase: Storing and secure the Data is one of the important parts that Not only it provides User-Trust but also it is going to use to make dynamic workout plan and schedule for users have nice experience to work with TopFit.

TopFit is going use three separate DataBase for Authentication, Users Information and Statistics.

MySql is chosen for the App by two reasons. The first is an open source and free, the second reason is all group are familiar with that.

* Back-end for version 1.0 is include Classes, Methods and Function that they are going to provide suitable environment for Data, Calculation etc.

Class example: User, Activity, Admin, Workout, Notification, Connection, Gps etc.

Method example: distance, step, lastNotice, nextNotice, changePassword, startActvity, stopActivity, claerHistory etc.

Java will use to make back-end code and as mention it in first paragraph by using APIs will connected to the DataBase to make the back end independent from the chosen environment, i.e., DataBase.

* The first version of APIs is including connection, selecting, Inserting, deleting APIs and more and more to make proper relation between front-end, Back-end and DataBase.

PHP will use to make the APIs