**Cross Platform Application Development Assignment 2**

**Fitness Tracker Application**

**Group – 12**

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**Introduction:**

We have created GraphQL API to allow users to see the programs, track progress and set weekly goals. We have created 4 datasets as below.

**Users: {id, name, email ,weeklyGoal, totalCal }**

Users have four parameters which id, name and email essentials here we have added weeklyGoal where user can update the weekly goal in calories and compare with total calories spent.

**Workouts: {id, name, calBurn, sets, reps}**

These are basic workouts how many sets and reps users should perform to burn calories. This will be used in programs data set.

**Programs: {id,name,workouts,cal}**

Program will be what offered to users where they can select and complete a program for a day, it is combinations of multiple workouts from workouts dataset for example:

Program: {id:1, name:"Full Body",workouts:[1,2,3,6,7],cal:150}

Here workouts is basically an array where it has all workouts ids and total cal burned and name of the program.

**Tracker : {id,userid,programId,date}**

Tracker ha references to user table and program table using userid and programid fields and date field represents when the user has done workouts.