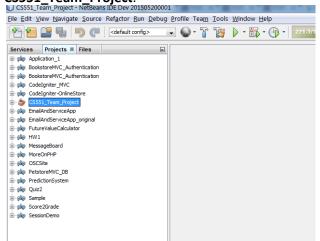
User Manual

Setting up your workspace:

```
Required:
SQL Server
NetBeans
Android SDK (API level 22)
XAMPP (optional)
```

Step 1:

Open your Netbeans Application and File->Open Project and select the downloaded **CS551 Team Project**.



Step 2:

Start your SQL Server and run the scripts from CS551_Team_Project > default package > Sql_Config.sql

```
<u>F</u>ile <u>E</u>dit <u>V</u>iew <u>N</u>avigate <u>S</u>ource Ref<u>a</u>ctor <u>R</u>un <u>D</u>ebug <u>P</u>rofile Tea<u>m</u> <u>T</u>ools <u>W</u>indow <u>H</u>elp
  The last section of the la
 Services Projects № Files 

☐ Sql_Config.sql ※
                                                                                                                       drop Database CS551 TEAM PROJECT;
 ⊕ plip Application_1
   BookstoreMVC_Authentication
 BookstoreMVC_Authentication
                                                                                                                       CREATE DATABASE CS551_TEAM_PROJECT;
                                                                                                                       use CS551_TEAM_PROJECT;
 ⊕ plip CodeIgniter_MVC
  CodeIgniter-OnlineStore
                                                                                                                        drop table CS551_TEAM_PROJECT.user if exists;
  CS551_Team_Project
                                                                                                                       CREATE TABLE IF NOT EXISTS CS551_TEAM_PROJECT.user (
                                                                                                                                user_id BIGINT NOT NULL AUTO_INCREMENT,
       <default package>
                                                                                                                                 user name VARCHAR(50),
                    Sql_Config.sql
                                                                                                                                 phone number VARCHAR(20) NOT NULL UNIQUE,
            ⊕ BridgeConnectingService

    DataBase_Updata_Service

                                                                                                                                 image_file_url VARCHAR(1000),
                                                                                                                                 image_file_name VARCHAR(50),
image_file_type VARCHAR(10),
image_file_size BIGINT,
            SQL_PreparedStatements
TestClient
            ⊕... domain
      ⊕ ြ Test Packages
⊕ ြ Libraries
                                                                                                                                 PRIMARY KEY (user_id)
      ⊕ 🍒 Test Libraries
                                                                                                                       CREATE TABLE IF NOT EXISTS CS551 TEAM PROJECT.step RECORD(
 ⊞ ® EmailAndServiceApp
 EmailAndServiceApp_original
                                                                                                                                 step INT NOT NULL,
 ⊕ plip FutureValueCalculator
                                                                                                                                  record_start_date TIMESTAMP NOT NULL,
                                                                                                                                 record end date TIMESTAMP DEFAULT CURRENT TIMESTAMP,
 ⊕ plip MessageBoard
                                                                                                                                 phone_number VARCHAR(20) NOT NULL,
 MoreOnPHP
                                                                                                                                          step_record_id BIGINT NOT NULL AUTO_INCREMENT,
 ⊞ of OSCSite
 PetstoreMVC_DB
                                                                                                                                 PRIMARY KEY (step_record_id),
 ⊕ php PredictionSystem
                                                                                                                                 FOREIGN KEY (phone number)

REFERENCES cs551_team project.user(phone_number)
 ⊞⊸obo Ouiz2
  ⊕ plup Sample
                                                                                                                                            ON DELETE CASCADE
  ⊕ β Score2Grade
 ⊕ plip SessionDemo
                                                                                                                       CREATE TABLE IF NOT EXISTS cs551_team_project.post (
                                                                                                                                 post_id BIGINT NOT NULL AUTO_INCREMENT,
phone_number VARCHAR(20) NOT NULL,
                                                                                                                                 message VARCHAR(1000),
```

Step 3:

Change Configuration settings

a. Change the highlighted region to your server/machine's IP address CSSSI_Team_Project
Source Packages import java.io.ObjectInputStream; import java.io.ObjectOutputStream;
import java.net.ServerSocket; default package> □ BridgeConnectingService import java.net.Socket; BridgeService.java BridgeTestClient.java import java.rmi.NotBoundException; import java.rmi.RemoteException; DataBase_Updata_Service import java.rmi.registry.LocateRegistry; RegisterWithRMIServer.java import java.rmi.registry.Registry; UserServiceInterfaceImpl.java import java.util.ArrayList; import java.util.Date; ⊕ ■ SQL_PreparedStatements import java.util.List; ⊕ TestClient domain import java.util.Stack; import java.util.logging.Level; ⊕ 🚡 Test Packages import java.util.logging.Logger; Libraries

Test Libraries ₽ EmailAndServiceApp EmailAndServiceApp original * @author Arvin FutureValueCalculator ⊕ plop HW1 public class BridgeService { ⊕ ∰ MessageBoard ⊕ ∰ MoreOnPHP private final String host = "192.168.56.1";//localhost"; ⊕ plip OSCSite private final String registry = "UserServiceInterfaceImpl"; PetstoreMVC DB private Thread threadObj; PredictionSystem private UserServiceInterface remoteObject; ⊕ plip Quiz2 private final List<HandleASession> sessionPools = new ArrayList<>(); ⊕ plip Sample ⊞ ® Score2Grade

public BridgeService() {

b. Change your SQL Server Configuration settings (URL, USER, PASSWORD)

ı P



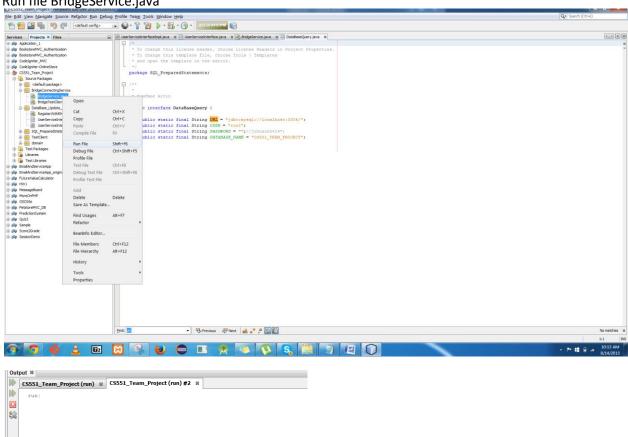
Step 4: Start your SQL Server.

Run file RegisterWithRMIServer.java

⊕ plip SessionDemo

The file was transported forcer Medical from Deck Workshop Finds to Table 1985 (1985)

Step 5: Run file BridgeService.java



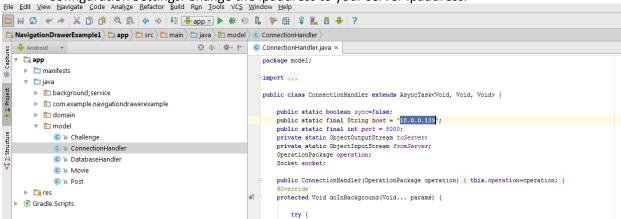
Running in Project in Emulator

Step 1:

Start Android Studio. Import Project.

Step 2:

Configuration Settings. Change the ipaddress to your server ipaddress.



Note: If you are configuring your local machine as server, use "ipconfig" in command prompt

```
C:\Users\User>ipconfig
Windows IP Configuration

Wireless LAN adapter Wireless Network Connection:

Connection-specific DNS Suffix : hsdl.ca.comcast.net
IPv6 Address : 2601:641:8000:4a80::f8b4
IPv6 Address : 2601:641:8000:4a80:25b9:f1d3:59dc:7ed7
Temporary IPv6 Address : 2601:641:8000:4a80:cl3d:bded:2b8d:81ef
Link-local IPv6 Address : fe80::25b9:f1d3:59dc:7ed7%14
IPv4 Address : 100.0.139
Subnet Mask : 255.255.255.0
Default Gateway : fe80::880:399ff:fef8:3b61%14
10.0.0.1

Ethernet adapter Local Area Connection:

Media State : Media disconnected
Connection-specific DNS Suffix :
Ethernet adapter VirtualBox Host-Only Network:

Connection-specific DNS Suffix :
Link-local IPv6 Address : fe80::5800:30:3e54:dle7%16
IPv4 Address : 192.168.56.1
Subnet Mask : 255.255.255.0
Default Gateway : 255.255.255.0
```

Step 3:

Run Project using Nexus 5 or above versions of emulator

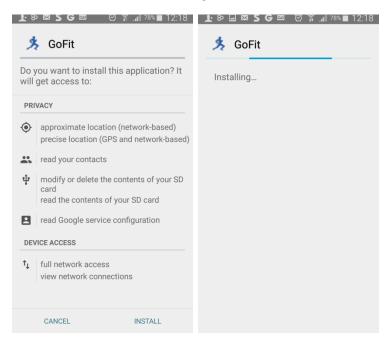


Running in Project Using .apk file

Step 1:

Download app-debug.apk to your mobile and install it.

Installing GoFit



Step 2: Open the app.

GoFit App Icon



How To Use App

Login & Home Activity:

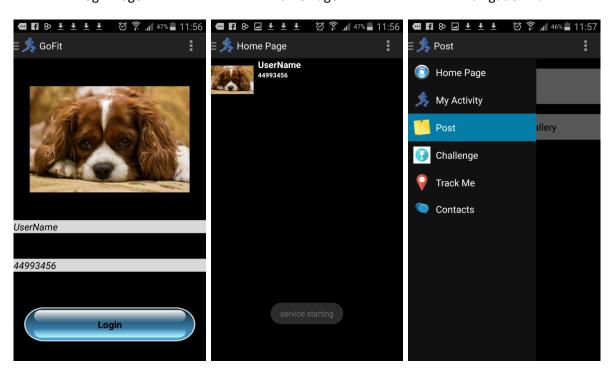
First time after installation, the User is prompted with Login Page, where the user can choose a picture of their choice, username and phone number to create user account.

Click on the GoFit App icon to view the Navigation Bar.

First time User's Login Page



Login Page Home Page Navigation Bar



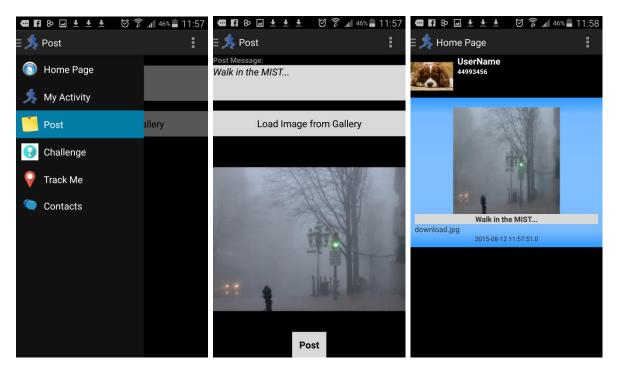
Post Activity:

Click on the **Post** from the Navigation Bar to post new Messages.

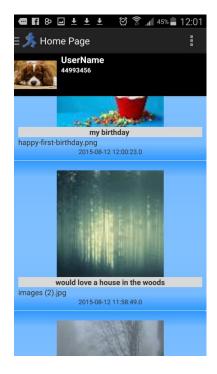
Navigation Bar

Posting Messages

Home Page With a POST

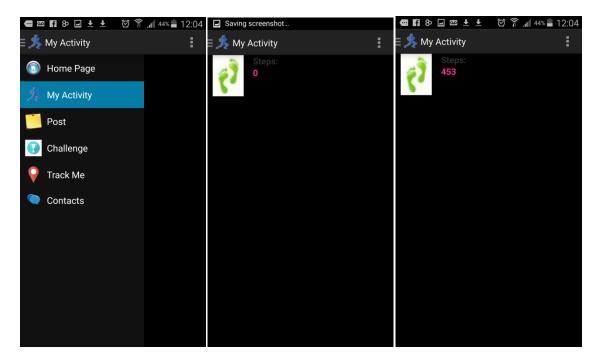


Home Page With many POSTs



Tracking Steps:

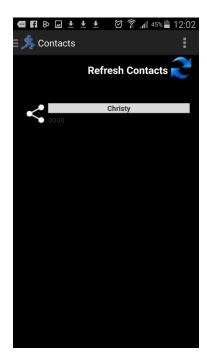
Counts the number of steps the user takes after installation of the app.



Contacts Page:

Click the Contacts in the Navigation Bar.

Click the Refresh Button to get all the contacts in your phone who also have the GoFit app installed



Challenge Activity:

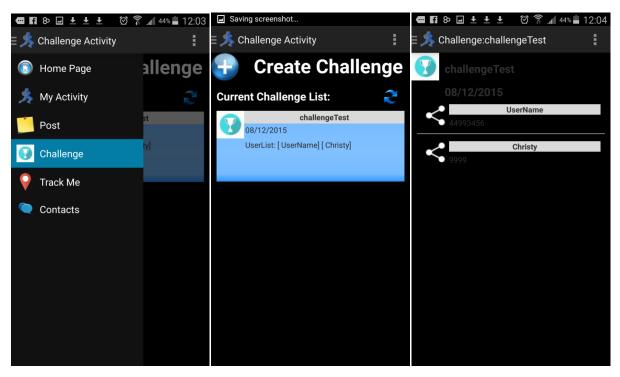
A Challenge enables the user to compare the number of steps between the users of the challenge for a particular date. The users in the challenge can be selected from the contacts of the user.

Click the Challenges in the Navigation Bar to view existing challenges.

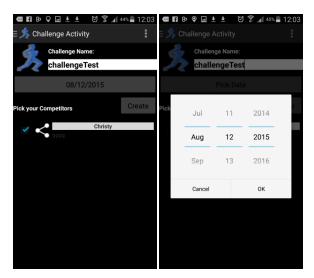
Click the "+" image to create new challenges

You can click on the existing challenges to get more details on the users in the challenge.

Navigation Bar Challenge Page Challenge Details

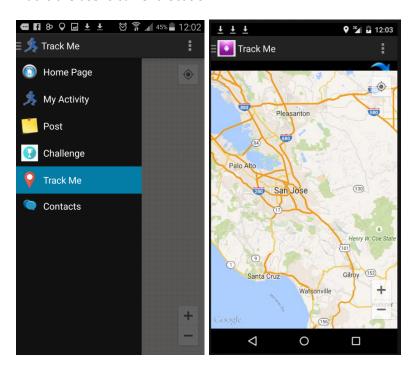


Creating New Challenge:



Track Me Activity:

Tracks the user's current location.



Further Update for Future:

- 1. Having Password for Login and the Number can be auto generated by mobile, So the user need not enter the phone number.
 - 2. Adding location tracker over lay in map activity to create map of where the user has been
- 3. The step counting can be made sophisticated by acceleration and keeping track of user's active hours.
- 4. Challenge Activity currently takes challenges only for one day, can be made to accommodate duration of more than one day, [The server side integration is already done for this. Android UI should be changed to make this modification]
- 5. On clicking the Challenges in Existing Challenges gives the details of users, can be made to give other users current steps too.