Database

Web Service

Android App

Request

Request API

R

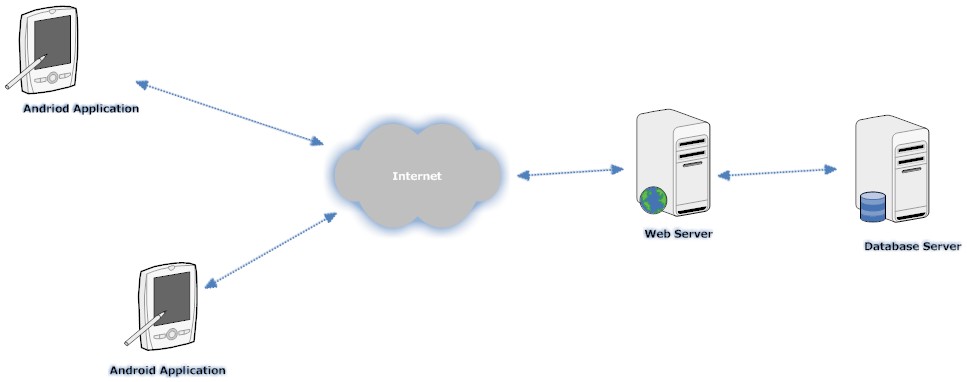
R

JSON Response

Data

R

R



Android App:

1. The android application is made using Android Studio (Java).
2. The android application cannot directly communicate with the server where the data resides, hence we make use of an API (Application Programming Interface).
3. Since the android application makes use of an API for data exchange purpose we make use of library that helps us to send request over network to the API.
4. The library used is httpclient.
5. This android application can run on any android device that is connected with internet.
6. The screen that the user views on their mobile is knows as an activity.
7. An activity consists of two parts :

* .XML: The xml file contains the code for design. For example button, edittext etc.
* .JAVA: The java file contains the code for that is used to handle the events fired by the UI components.

WCF Web Service:

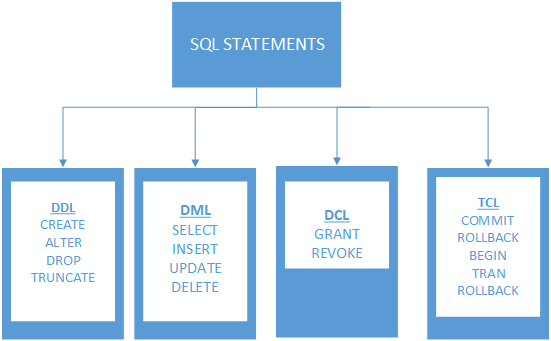
1. It is known as Windows Communication Foundation.
2. WCF basically acts as an intermediary between the android application and the database server.
3. The WCF is made using .NET framework in C# language.
4. WCF service got introduced with .NET 3.0.
5. WCF services have “.svc” extension.
6. The common http methods that the web service works on are GET, POST, PUT and DELETE.
7. The web service returns data in two formats either XML or JSON.
8. In our case we return the data in JSON format.
9. The data returned is caught by the android application and returned to the user.
10. The Web Service is directly connected to the database that is on the server.
11. We define the server database connection details in the web.config file of the WCF Service and then make use of those details to wherever necessary.
12. The methods that are written to GET or POST data to/from server make use on common SQL commands such as INSERT, SELECT, UPDATE, DELETE etc.

Database (MS SQL):

1. **Microsoft SQL Server** is a relational database management system developed by Microsoft.
2. As a database server, it is a software product with the primary function of storing and retrieving data as requested by other software applications—which may run either on the same computer or on another computer across a network (including the Internet).

**Usage of SQL Server**

* To create databases.
* To maintain databases.
* To analyze the data through SQL Server Analysis Services (SSAS).
* To generate reports through SQL Server Reporting Services (SSRS).
* To carry out ETL operations through SQL Server Integration Services (SSIS).

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**DDL:** DDL is short name of **Data Definition Language,** which deals with database schemas and descriptions, of how the data should reside in the database.

**DML:** DML is short name of **Data Manipulation Language** which deals with data manipulation and includes most common SQL statements such SELECT, INSERT, UPDATE, DELETE, etc., and it is used to store, modify, retrieve, delete and update data in a database.

**DCL:** DCL is short name of **Data Control Language** which includes commands such as GRANT, REVOKE and mostly concerned with rights, permissions and other controls of the database system.

**TCL**: TCL is short name of Transaction Control Language which deals with a transaction within a database.

**Login Activity:**

activity\_login.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".Login"  
  
 android:paddingBottom="3dp"  
 android:paddingLeft="3dp"  
 android:paddingRight="3dp"  
 android:paddingTop="3dp"  
 android:background="#eaf4f7"  
 >  
  
 <View  
 android:id="@+id/opacityFilter"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@android:color/white"  
 android:layout\_alignParentBottom="true"  
 android:alpha="0.8"> </View>  
<ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 >  
 <LinearLayout  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerVertical="true"  
 android:layout\_centerHorizontal="true"  
  
 >  
 <ImageView  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:id="@+id/imageView2"  
 android:layout\_gravity="center\_horizontal"  
 android:background="@mipmap/temp\_logo"  
 />  
 <EditText  
 android:id="@+id/editemail"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:inputType="number"  
 android:hint="Mobile No."  
 android:padding="10dp"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginRight="10dp"  
 android:layout\_marginBottom="5dp"  
 android:background="@drawable/loginedit"  
 android:drawableLeft="@drawable/ic\_person\_black\_24dp"  
  
 />  
  
 <EditText  
  
 android:id="@+id/editpassword"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="PASSWORD"  
 android:inputType="textPassword"  
 android:layout\_gravity="center"  
 android:padding="10dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginRight="10dp"  
 android:layout\_marginBottom="5dp"  
 android:background="@drawable/loginedit"  
 android:drawableLeft="@drawable/ic\_lock\_black\_24dp"  
  
 />  
  
 <Button  
 android:id="@+id/btnlogin"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Login"  
 android:background="#254482"  
 android:textColor="#ffffff"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginTop="15dp"  
 android:layout\_marginRight="10dp"  
 android:layout\_marginBottom="25dp"  
  
 />  
  
 <Button  
 android:id="@+id/btnregistration"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Registration"  
 android:background="#254482"  
 android:textColor="#ffffff"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginRight="10dp"  
 android:layout\_marginBottom="25dp"  
  
 />  
  
 <Button  
 android:id="@+id/btnforgot"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Forget Password"  
 android:background="#254482"  
 android:textColor="#ffffff"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginRight="10dp"  
 android:layout\_marginBottom="25dp"  
  
 />  
  
 </LinearLayout>  
  
</ScrollView>  
</RelativeLayout>

Login.java

package com.example.chintan.selfcare\_app;  
  
import android.app.AlertDialog;  
import android.app.ProgressDialog;  
import android.content.Intent;  
import android.os.Handler;  
import android.os.Message;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
import com.example.chintan.selfcare\_app.ConnectionM.Connection;  
import com.example.chintan.selfcare\_app.Data.Userdata;  
  
public class Login extends AppCompatActivity {  
  
 Button buttonlogin,buttonregister,btnforgot;  
 EditText editText1,editText2;  
  
 ProgressDialog progressDialog;  
 int resp;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_login*);  
  
  
 editText1=findViewById(R.id.*editemail*);  
 editText2=findViewById(R.id.*editpassword*);  
  
 buttonlogin=findViewById(R.id.*btnlogin*);  
 buttonregister=findViewById(R.id.*btnregistration*);  
 btnforgot=findViewById(R.id.*btnforgot*);  
  
 buttonregister.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent inregis=new Intent(Login.this,Registration.class);  
 startActivity(inregis);  
 }  
 });  
 buttonlogin.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
  
  
 login();  
  
 }  
 });  
 btnforgot.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 forgetpass();  
 }  
 });  
 }  
  
 public void login() {  
  
 if (editText1.getText().toString().equals("") || editText2.getText().toString().equals(""))  
 {  
 android.app.AlertDialog alert = new android.app.AlertDialog.Builder(Login.this).create();  
 alert.setTitle("Enter All Details");  
 alert.setMessage("All Fields Are Mandatory");  
 alert.show();  
 }  
 else  
 {  
 final String email=editText1.getText().toString();  
 final String pass=editText2.getText().toString();  
 final Connection conn = new Connection();  
 if (conn.*checkNetworkAvailable*(Login.this)) {  
 progressDialog = new ProgressDialog(Login.this);  
  
 progressDialog.show();  
 Thread th1 = new Thread() {  
 @Override  
 public void run() {  
 try {  
 int i = conn.authUser(Login.this,email,pass);  
 resp = i;  
 } catch (Exception e) {  
 e.printStackTrace();  
 }  
 hd.sendEmptyMessage(0);  
  
 }  
 };  
 th1.start();  
 } else {  
 Toast.*makeText*(Login.this, "Sorry no network access.", Toast.*LENGTH\_LONG*).show();  
 }  
 }  
 }  
  
 public Handler hd = new Handler() {  
 public void handleMessage(Message msg) {  
 if (progressDialog.isShowing())  
 progressDialog.dismiss();  
 switch (resp) {  
 case 1:  
 editText1.setText("");  
 editText2.setText("");  
  
 Toast.*makeText*(getApplicationContext(), "Login Successfully", Toast.*LENGTH\_SHORT*).show();  
 Intent intadd=new Intent(Login.this,Menu.class);  
 startActivity(intadd);  
 break;  
  
 case 2:  
 editText1.setText("");  
 editText2.setText("");  
 Toast.*makeText*(getApplicationContext(), "Invalid Mobile Number or Password", Toast.*LENGTH\_LONG*).show();  
 break;  
 case 0:  
 Toast.*makeText*(getApplicationContext(), "Something Went Wrong", Toast.*LENGTH\_LONG*).show();  
 break;  
 }  
 }  
 };  
  
  
 public void forgetpass()  
 {  
 EditText txtPhoneNo=(EditText)findViewById(R.id.*editemail*);  
 String PhoneNo=txtPhoneNo.getText().toString().trim();  
 if(PhoneNo.equals(""))  
 {  
 AlertDialog alert=new AlertDialog.Builder(this).create();  
 alert.setTitle("Enter Details");  
 alert.setMessage("Phone number is Mandatory");  
 alert.show();  
 }  
 else  
 {  
 final Connection conn = new Connection();  
 if(conn.*checkNetworkAvailable*(this))  
 {  
  
 Userdata.*setContact*(PhoneNo);  
 progressDialog = new ProgressDialog(Login.this);  
  
 progressDialog.show();  
  
 Thread tthread=new Thread()  
 {  
 public void run()  
 {  
 if(conn.forgetPass())  
 {  
 resp=0;  
 }  
 else  
 {  
 resp=1;  
 }  
 hd2.sendEmptyMessage(0);  
 }  
 };  
 tthread.start();  
  
 }  
 else  
 {  
 Toast.*makeText*(this, "Sorry no network access.", Toast.*LENGTH\_LONG*).show();  
 }  
  
 }  
 }  
  
 Handler hd2=new Handler()  
 {  
 public void handleMessage(Message msg)  
 {  
  
  
 progressDialog.cancel();  
 switch (resp) {  
 case 0:  
  
 Toast.*makeText*(getApplicationContext(), "Password is sent to your registered Email Id", Toast.*LENGTH\_LONG*).show();  
 break;  
  
 case 1:  
 Toast.*makeText*(getApplicationContext(), "Invalid Phone Number", Toast.*LENGTH\_LONG*).show();  
 break;  
 }  
 }  
 };  
}

**Registration**

activity\_registration.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".Registration"  
  
 android:paddingBottom="3dp"  
 android:paddingLeft="3dp"  
 android:paddingRight="3dp"  
 android:paddingTop="3dp"  
 android:background="#eaf4f7"  
 >  
  
 <View  
 android:id="@+id/opacityFilter"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@android:color/white"  
 android:layout\_alignParentBottom="true"  
 android:alpha="0.8"> </View>  
  
 <ScrollView  
 android:layout\_height="match\_parent"  
 android:layout\_width="match\_parent"  
 >  
 <LinearLayout  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerVertical="true"  
 android:layout\_centerHorizontal="true"  
 >  
<TextView  
 android:id="@+id/textviewhead"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="User Registration"  
 android:textSize="25dp"  
 android:textStyle="bold"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="100dp"  
 />  
  
 <EditText  
 android:id="@+id/editname"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Name"  
 android:layout\_marginTop="30dp"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginRight="20dp"  
 android:background="@drawable/editloginborder"  
 android:padding="10dp"  
 android:layout\_gravity="center"  
 />  
  
 <EditText  
 android:id="@+id/editemail"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Email Id"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginRight="20dp"  
 android:background="@drawable/editloginborder"  
 android:padding="10dp"  
 android:layout\_gravity="center"  
 />  
  
 <EditText  
 android:id="@+id/editage"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Age"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginRight="20dp"  
 android:background="@drawable/editloginborder"  
 android:padding="10dp"  
 android:layout\_gravity="center"  
 />  
  
 <EditText  
 android:id="@+id/editcontact"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Contact Number"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginRight="20dp"  
 android:background="@drawable/editloginborder"  
 android:padding="10dp"  
 android:layout\_gravity="center"  
 />  
  
 <EditText  
 android:id="@+id/editpassword"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Password"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginRight="20dp"  
 android:layout\_marginLeft="20dp"  
 android:background="@drawable/editloginborder"  
 android:padding="10dp"  
 android:layout\_gravity="center"  
 />  
  
 <EditText  
 android:id="@+id/editaddress"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Address"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginRight="20dp"  
 android:layout\_marginLeft="20dp"  
 android:background="@drawable/editloginborder"  
 android:padding="10dp"  
 android:layout\_gravity="center"  
 />  
  
 <TextView  
  
 android:id="@+id/txtgender"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Gender"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginRight="20dp"  
 android:background="@drawable/editloginborder"  
 android:padding="10dp"  
 android:layout\_gravity="center"  
  
 />  
  
 <RadioGroup  
 android:id="@+id/rggender"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
  
 android:layout\_marginTop="5dp"  
 android:layout\_marginRight="20dp"  
 android:layout\_marginLeft="20dp"  
  
 >  
  
  
 <RadioButton  
 android:id="@+id/rbmale"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Male"  
 android:checked="true"  
 android:background="@drawable/editloginborder"  
 android:padding="10dp"  
 android:layout\_gravity="center"  
  
 />  
  
 <RadioButton  
 android:id="@+id/rbfemale"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Female"  
 android:background="@drawable/editloginborder"  
 android:padding="10dp"  
 android:layout\_gravity="center"  
 />  
  
 </RadioGroup>  
  
 <Button  
 android:id="@+id/btnregister"  
 android:layout\_width="370dp"  
 android:layout\_height="wrap\_content"  
 android:text="Register"  
 android:background="#254482"  
 android:textColor="#ffffff"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginRight="10dp"  
  
  
 />  
  
  
 </LinearLayout>  
 </ScrollView>  
  
  
</RelativeLayout>

Registration.java

package com.example.chintan.selfcare\_app;  
  
import android.app.ProgressDialog;  
import android.os.Handler;  
import android.os.Message;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.RadioButton;  
import android.widget.Toast;  
  
import com.example.chintan.selfcare\_app.ConnectionM.Connection;  
import com.example.chintan.selfcare\_app.Data.Userdata;  
  
import java.util.regex.Matcher;  
import java.util.regex.Pattern;  
  
public class Registration extends AppCompatActivity {  
 Button buttonregis;  
 EditText editTextname,editTextemail,editTextpassword,editTextage,editTextcontact,editTextaddress;  
 RadioButton rbmale,rbfemale;  
 public static String *selgender*="";  
 ProgressDialog dg;  
 int resp;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_registration*);  
  
 buttonregis=findViewById(R.id.*btnregister*);  
  
 editTextname=findViewById(R.id.*editname*);  
 editTextemail=findViewById(R.id.*editemail*);  
 editTextage=findViewById(R.id.*editage*);  
 editTextcontact=findViewById(R.id.*editcontact*);  
 editTextpassword=findViewById(R.id.*editpassword*);  
 editTextaddress=findViewById(R.id.*editaddress*);  
  
 rbmale=findViewById(R.id.*rbmale*);  
 rbfemale=findViewById(R.id.*rbfemale*);  
  
 buttonregis.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
  
 validatesubmit();  
 }  
 });  
  
  
 }  
  
 public void validatesubmit()  
 {  
 final String name=editTextname.getText().toString().trim(),  
 email=editTextemail.getText().toString().trim(),  
 cont\_no=editTextcontact.getText().toString().trim(),  
 age=editTextage.getText().toString().trim(),  
 password=editTextpassword.getText().toString().trim(),  
 address=editTextaddress.getText().toString().trim();  
  
  
 final EditText[] Alledit={editTextname,editTextemail,editTextcontact,editTextage,editTextpassword,editTextaddress};  
 for (EditText edit:Alledit)  
 {  
 if (edit.getText().toString().trim().length()==0)  
 {  
 edit.setError("Empty Field");  
 edit.requestFocus();  
 }  
 }  
  
 if (!isValidPh(cont\_no))  
 {  
 editTextcontact.setError("Invalid Contact Number");  
 }  
 else if (!isValidEmail(email))  
 {  
 editTextemail.setError("Invalid Mail Id");  
 }  
 else if (!isValidUname(name))  
 {  
 editTextname.setError("Invalid Name");  
 }  
 else if (password.length()<4)  
 {  
 editTextpassword.setError("Password Length must be atleast 4");  
 }  
  
 else  
 {  
 if(rbmale.isChecked()) {  
 Userdata.*setName*(name);  
 Userdata.*setEmail*(email);  
 Userdata.*setContact*(cont\_no);  
 Userdata.*setAge*(age);  
 Userdata.*setAddress*(address);  
 Userdata.*setPassword*(password);  
 Userdata.*setGender*("Male");  
 register();  
 }  
 else  
 {  
 Userdata.*setName*(name);  
 Userdata.*setEmail*(email);  
 Userdata.*setContact*(cont\_no);  
 Userdata.*setAge*(age);  
 Userdata.*setAddress*(address);  
 Userdata.*setPassword*(password);  
 Userdata.*setGender*("Female");  
 register();  
 }  
 }  
  
 }  
  
 public void register() {  
 final Connection conn = new Connection();  
 if (Connection.*checkNetworkAvailable*(Registration.this)) {  
 dg = new ProgressDialog(Registration.this);  
 dg.setMessage("Processing ....");  
 dg.show();  
  
 Thread tthread = new Thread() {  
 @Override  
 public void run() {  
 try {  
 resp = conn.register();  
 } catch (Exception e) {  
 e.printStackTrace();  
 }  
 hd.sendEmptyMessage(0);  
  
 }  
 };  
 tthread.start();  
 } else {  
 Toast.*makeText*(Registration.this,"Sorry no network access.", Toast.*LENGTH\_LONG*).show();  
 }  
 }  
  
 public Handler hd = new Handler() {  
 public void handleMessage(Message msg) {  
  
 if (dg.isShowing())  
 dg.dismiss();  
  
 switch (resp) {  
 case 1:  
 Toast.*makeText*(getApplicationContext(), "Register Successfully", Toast.*LENGTH\_LONG*).show();  
 finish();  
 break;  
  
 case 2:  
 Toast.*makeText*(getApplicationContext(), "Contact or Mail Id already exists", Toast.*LENGTH\_LONG*).show();  
 break;  
  
 case 3:  
 Toast.*makeText*(getApplicationContext(), "Try Later", Toast.*LENGTH\_LONG*).show();  
 break;  
  
 case 0:  
 Toast.*makeText*(getApplicationContext(), "Something Went Wrong", Toast.*LENGTH\_LONG*).show();  
 break;  
 }  
 }  
 };  
  
  
 private boolean isValidPh(String ph) {  
 //^[7-9][0-9]{9}$  
 String EMAIL\_PATTERN = "^[7-9][0-9]{9}$";  
 Pattern pattern = Pattern.*compile*(EMAIL\_PATTERN);  
 Matcher matcher = pattern.matcher(ph);  
 return matcher.matches();  
 }  
  
 private boolean isValidEmail(String email) {  
 String EMAIL\_PATTERN = "^[\_A-Za-z0-9-\\+]+(\\.[\_A-Za-z0-9-]+)\*@"  
 + "[A-Za-z0-9-]+(\\.[A-Za-z0-9]+)\*(\\.[A-Za-z]{2,})$";  
  
 Pattern pattern = Pattern.*compile*(EMAIL\_PATTERN);  
 Matcher matcher = pattern.matcher(email);  
 return matcher.matches();  
 }  
  
 private boolean isValidUname(String name) {  
 String N\_Pattern = "^([A-Za-z\\+]+[A-Za-z0-9]{1,10})$";  
 Pattern pattern = Pattern.*compile*(N\_Pattern);  
 Matcher matcher = pattern.matcher(name);  
 return matcher.matches();  
 }  
 private boolean isValidAge(String age) {  
 String EMAIL\_PATTERN = "[0-9]";  
  
 Pattern pattern = Pattern.*compile*(EMAIL\_PATTERN);  
 Matcher matcher = pattern.matcher(age);  
 return matcher.matches();  
 }  
}

**MENU**

activity\_menu.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".Menu"  
  
 android:paddingBottom="3dp"  
 android:paddingLeft="3dp"  
 android:paddingRight="3dp"  
 android:paddingTop="3dp"  
 android:background="#eaf4f7"  
 >  
 <View  
 android:id="@+id/opacityFilter"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:alpha="0.8"  
 android:background="@android:color/white"></View>  
  
 <ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 >  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 >  
 <LinearLayout  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:orientation="vertical"  
 android:padding="6dip"  
 >  
  
 <LinearLayout  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:orientation="horizontal"  
 >  
  
 <LinearLayout  
 style="@style/HomeButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical">  
  
 <ImageButton  
 android:id="@+id/imgbtnpersonald"  
 style="@style/HomeButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="77dp"  
 android:adjustViewBounds="true"  
 android:background="#0000"  
 android:scaleType="fitCenter"  
 app:srcCompat="@drawable/personal\_details"  
 />  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Predict BMI"  
 android:textAppearance="?android:attr/textAppearanceLarge" />  
  
 </LinearLayout>  
  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:orientation="horizontal"  
 >  
  
  
  
  
 </LinearLayout>  
 <LinearLayout  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:orientation="horizontal"  
 >  
  
 <LinearLayout  
 style="@style/HomeButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 >  
  
  
 <ImageButton  
 android:id="@+id/imgbtndiet"  
 style="@style/HomeButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="77dp"  
 android:adjustViewBounds="true"  
 android:background="#0000"  
  
 android:scaleType="fitCenter"  
 app:srcCompat="@drawable/diet" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="View Diet"  
 android:textAppearance="?android:attr/textAppearanceLarge" />  
  
  
 </LinearLayout>  
  
  
 </LinearLayout>  
  
  
  
 </LinearLayout>  
  
 <LinearLayout  
 style="@style/HomeButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 >  
 <ImageButton  
 android:id="@+id/imgbtnexercise"  
 style="@style/HomeButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="77dp"  
 android:layout\_centerInParent="true"  
 android:layout\_gravity="center"  
 android:adjustViewBounds="true"  
 android:background="#0000"  
  
 android:scaleType="fitCenter"  
 app:srcCompat="@drawable/exercise" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Basic Exercise"  
 android:textAppearance="?android:attr/textAppearanceLarge" />  
  
  
 </LinearLayout>  
  
 <LinearLayout  
 style="@style/HomeButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 >  
 <ImageButton  
 android:id="@+id/imgbtnlogout"  
 style="@style/HomeButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="77dp"  
 android:layout\_centerInParent="true"  
 android:layout\_gravity="center"  
 android:adjustViewBounds="true"  
 android:background="#0000"  
  
 android:scaleType="fitCenter"  
 app:srcCompat="@drawable/logout" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Logout"  
 android:textAppearance="?android:attr/textAppearanceLarge" />  
  
  
 </LinearLayout>  
  
 </LinearLayout>  
  
 </ScrollView>  
</RelativeLayout>

Menu.java

package com.example.chintan.selfcare\_app;  
  
import android.content.DialogInterface;  
import android.content.Intent;  
import android.content.SharedPreferences;  
import android.support.v7.app.AlertDialog;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.ImageButton;  
  
public class Menu extends AppCompatActivity {  
  
 ImageButton imgbuttonpersonal,imgbuttonmedication,imgbuttonsearch,imgbuttonfitness,imgbuttondiet,imgbuttonlogout,imgbuttonexercise;  
 SharedPreferences sharedPreferences;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_menu*);  
 imgbuttonpersonal=findViewById(R.id.*imgbtnpersonald*);  
 imgbuttonexercise=findViewById(R.id.*imgbtnexercise*);  
  
  
 imgbuttonlogout=findViewById(R.id.*imgbtnlogout*);  
 imgbuttondiet=findViewById(R.id.*imgbtndiet*);  
  
 imgbuttonlogout.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 logout();  
  
 }  
 });  
  
 imgbuttonpersonal.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent inpersonaldetails=new Intent(Menu.this,Personaldetails.class);  
 startActivity(inpersonaldetails);  
 }  
 });  
  
  
 /\* imgbuttonsearch.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent indoclist=new Intent(Menu.this,Doctorsearch.class);  
 startActivity(indoclist);  
 }  
 });\*/  
 imgbuttondiet.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent=new Intent(Menu.this,DietchartActivity.class);  
 startActivity(intent);  
  
 }  
 });  
 imgbuttonexercise.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent=new Intent(Menu.this,ExerciseActivity.class);  
 startActivity(intent);  
 }  
 });  
 }  
  
  
 public void logout() {  
 new AlertDialog.Builder(Menu.this)  
  
 .setTitle(R.string.*app\_name*)  
 .setMessage("Are you sure you want logout?")  
 .setPositiveButton("Yes", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialog, int which) {  
 //Intent intent = new Intent(shopHome.this, shopLogin.class);  
 //startActivity(intent);  
 //Intent i = new Intent(shopHome.this, TabScreen.class);  
 //startActivity(i);  
 sharedPreferences = getSharedPreferences(PreferencesClass.*loginPref*, 0);  
  
 SharedPreferences.Editor editor = sharedPreferences.edit();  
 editor.putString("logstatus","0");  
 editor.commit();  
 finish();  
 }  
  
 })  
 .setNegativeButton("No", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialog, int which) {  
  
 dialog.cancel();  
 // finish();  
 }  
  
 })  
 .show();  
 }  
  
 @Override  
 public void onBackPressed()  
 {  
 logout();  
 }  
}

activity\_personaldetails.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".Personaldetails"  
  
  
 android:paddingBottom="3dp"  
 android:paddingLeft="3dp"  
 android:paddingRight="3dp"  
 android:paddingTop="3dp"  
  
 android:background="#eaf4f7"  
 >  
  
 <View  
 android:id="@+id/opacityFilter"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@android:color/white"  
 android:layout\_alignParentBottom="true"  
 android:alpha="0.8"> </View>  
<ScrollView  
 android:layout\_height="match\_parent"  
 android:layout\_width="match\_parent"  
 >  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignTop="@+id/opacityFilter"  
 android:layout\_centerHorizontal="true"  
  
 android:layout\_marginTop="10dp"  
 android:orientation="vertical">  
<TextView  
 android:id="@+id/textviewhead"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Personal Details"  
 android:textSize="25dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="100dp"  
 />  
  
 <EditText  
 android:id="@+id/editweight"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginTop="30dp"  
 android:layout\_marginRight="20dp"  
 android:hint="Weight(KG)"  
 android:inputType="numberDecimal"  
 android:textSize="20dp"  
  
 />  
  
 <EditText  
 android:id="@+id/editheight"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginRight="20dp"  
 android:hint="Height(Feet)"  
 android:inputType="numberDecimal"  
 android:textSize="20dp"  
  
  
 />  
  
  
 <TextView  
  
 android:id="@+id/txtpreference"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="20dp"  
 android:text="Preference"  
 android:textSize="20dp"  
  
  
 />  
  
 <RadioGroup  
 android:id="@+id/rgprefrence"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginRight="20dp"  
  
  
 >  
  
  
 <RadioButton  
 android:id="@+id/rbVeg"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:checked="true"  
 android:text="Veg"  
 android:textSize="20dp"  
 android:textStyle="normal"  
  
  
 />  
  
 <RadioButton  
 android:id="@+id/rbnonveg"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Non-veg"  
 android:textSize="20dp"  
  
 />  
  
 </RadioGroup>  
  
  
 <TextView  
  
 android:id="@+id/txtalergy"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="20dp"  
 android:text="Regions"  
 android:textSize="20dp"  
  
 />  
  
 <Spinner  
 android:id="@+id/dwnallergies"  
 android:layout\_width="match\_parent"  
 android:layout\_height="50dp"  
  
 android:layout\_marginTop="10dp"  
  
 android:background="@drawable/spbg"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginRight="10dp"  
  
 />  
  
 <TextView  
  
 android:id="@+id/txtbmiscore"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginRight="20dp"  
 android:text="BMI Score"  
 android:textSize="20dp"  
  
 />  
  
 <TextView  
  
 android:id="@+id/txtbmiresult"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginRight="20dp"  
 android:text="BMI Result"  
 android:textSize="20dp"  
  
  
  
 />  
  
 <Button  
 android:id="@+id/btnsubmit"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="10dp"  
  
  
 android:layout\_marginTop="15dp"  
 android:layout\_marginRight="10dp"  
 android:layout\_marginBottom="25dp"  
 android:background="#254482"  
 android:text="submit"  
 android:textColor="#ffffff"  
  
 />  
  
 </LinearLayout>  
  
</ScrollView>  
</RelativeLayout>

Personaldetails.java

package com.example.chintan.selfcare\_app;  
  
import android.app.ProgressDialog;  
import android.content.Intent;  
import android.os.Handler;  
import android.os.Message;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.ArrayAdapter;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.RadioButton;  
import android.widget.Spinner;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import com.example.chintan.selfcare\_app.ConnectionM.Connection;  
import com.example.chintan.selfcare\_app.Data.Personaldata;  
  
import java.text.DecimalFormat;  
  
public class Personaldetails extends AppCompatActivity {  
  
  
 EditText editweight,editheight;  
 RadioButton radioveg,radiononveg;  
 Button buttonsubmit;  
 Spinner dropdownallergy;  
 String[] allergyname={"East","West","North","South"};  
 TextView bmiresult,bmiscore;  
 ProgressDialog dg;  
 int resp;  
 private static DecimalFormat *df2*;  
 String BMI\_Result="";  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_personaldetails*);  
  
 dropdownallergy=findViewById(R.id.*dwnallergies*);  
 buttonsubmit=findViewById(R.id.*btnsubmit*);  
 radioveg=findViewById(R.id.*rbVeg*);  
 radiononveg=findViewById(R.id.*rbnonveg*);  
 bmiresult=findViewById(R.id.*txtbmiresult*);  
 bmiscore=findViewById(R.id.*txtbmiscore*);  
  
 editweight=findViewById(R.id.*editweight*);  
 editheight=findViewById(R.id.*editheight*);  
  
 ArrayAdapter aa = new ArrayAdapter(this,android.R.layout.*simple\_spinner\_item*,allergyname);  
 aa.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  
  
 dropdownallergy.setAdapter(aa);  
  
 buttonsubmit.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 submitdata();  
 /\* Intent intent=new Intent(Personaldetails.this,Login.class);  
 startActivity(intent);\*/  
 }  
});  
 }  
  
  
 public void submitdata()  
 {  
  
  
 if(editweight.getText().toString().equals("")||editheight.getText().toString().equals(""))  
 {  
 android.app.AlertDialog alert = new android.app.AlertDialog.Builder(Personaldetails.this).create();  
 alert.setTitle("Enter All Details");  
 alert.setMessage("All Fields Are Mandatory");  
 alert.show();  
 }  
 else  
 {  
 *df2*= new DecimalFormat(".##");  
 final String weight=editweight.getText().toString().trim();  
 final String height=editheight.getText().toString().trim();  
 final String preference;  
  
  
 final EditText[] Alledit={editweight,editheight};  
 /\* for (EditText edit:Alledit)  
 {  
 if (edit.getText().toString().trim().length()==0)  
 {  
 edit.setError("Empty Field");  
 edit.requestFocus();  
 }  
 }\*/  
  
  
  
  
  
 Personaldata.*setP\_weight*(weight);  
 Personaldata.*setP\_height*(height);  
 if(radioveg.isChecked())  
 {  
 preference="Veg";  
 }  
 else  
 {  
 preference="Non-veg";  
  
 }  
  
 Personaldata.*setP\_preference*(preference);  
 Personaldata.*setP\_allergies*(dropdownallergy.getSelectedItem().toString().trim());  
  
 Double final\_wt=Double.*parseDouble*(weight.toString());  
 String ht=height.toString();  
  
 Double feet\_to\_meter=(Double.*parseDouble*(ht.toString()))/(3.2808);  
  
  
  
 Double BMI\_result=(final\_wt)/(feet\_to\_meter\*feet\_to\_meter);  
  
 String BMI\_score=*df2*.format(BMI\_result);  
  
 bmiscore.setText(BMI\_score);  
 Personaldata.*setBMI\_Score*(BMI\_score);  
 // int BMI\_compare =Integer.parseInt(BMI\_score);  
  
 if (BMI\_result<18.5)  
 {  
 BMI\_Result="Underweight";  
 }  
 else if((BMI\_result>18.5)&&(BMI\_result<24.9))  
 {  
 BMI\_Result="Normal";  
 }  
 else if ((BMI\_result>25)&&(BMI\_result<29.9))  
 {  
 BMI\_Result="Overweight";  
 }  
 else if((BMI\_result>30)&&(BMI\_result<34.9))  
 {  
 BMI\_Result="Obesity (Class 1)";  
 }  
 else if((BMI\_result>35)&&(BMI\_result<39.9))  
 {  
 BMI\_Result="Obesity (Class 2)";  
 }  
 else if(BMI\_result>40)  
 {  
 BMI\_Result="Extreme Obesity (Class 3)";  
 }  
  
 Personaldata.*setBMI\_Result*(BMI\_Result);  
 bmiresult.setText(BMI\_Result);  
  
  
  
 submitpersdata();  
  
  
 }  
  
  
  
  
 }  
  
 public void submitpersdata()  
 {  
 final Connection conn = new Connection();  
 if (Connection.*checkNetworkAvailable*(Personaldetails.this)) {  
 dg = new ProgressDialog(Personaldetails.this);  
 dg.setMessage("Processing ....");  
 dg.show();  
  
 Thread tthread = new Thread() {  
 @Override  
 public void run() {  
 try {  
 resp = conn.submitpersonaldata();  
 } catch (Exception e) {  
 e.printStackTrace();  
 }  
 hd.sendEmptyMessage(0);  
  
 }  
 };  
 tthread.start();  
 } else {  
 Toast.*makeText*(Personaldetails.this,"Sorry no network access.", Toast.*LENGTH\_LONG*).show();  
 }  
 }  
  
 public Handler hd = new Handler() {  
 public void handleMessage(Message msg) {  
  
 if (dg.isShowing())  
 dg.dismiss();  
  
 switch (resp) {  
 case 1:  
 Toast.*makeText*(getApplicationContext(), "Data Saved Successfully", Toast.*LENGTH\_LONG*).show();  
 // finish();  
 /\* Intent intent=new Intent(Personaldetails.this,Personaldetails.class);  
 startActivity(intent);\*/  
 editweight.setText("");  
 editheight.setText("");  
 break;  
  
 case 2:  
 Toast.*makeText*(getApplicationContext(), "Data already exists", Toast.*LENGTH\_LONG*).show();  
 break;  
  
 case 3:  
 Toast.*makeText*(getApplicationContext(), "Try Later", Toast.*LENGTH\_LONG*).show();  
 break;  
  
 case 0:  
 Toast.*makeText*(getApplicationContext(), "Something Went Wrong", Toast.*LENGTH\_LONG*).show();  
 break;  
 }  
 }  
 };  
  
  
  
}

activity\_medium\_exer.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MediumExerActivity"  
 android:background="#eaf4f7"  
 >  
<ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 >  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 >  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Bicycle Crunch :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/lblBoatPose"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Lie flat on your back with the hands on your ears,Elevate the legs to a 90-degree angle,Bring the left knee towards the chest,Twist the right elbow to meet it :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/txtbicyclecrunch"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
 />  
  
  
 <ImageView  
 android:id="@+id/imagebicyclecrunch"  
 android:layout\_width="match\_parent"  
 android:layout\_height="150dp"  
 android:src="@drawable/bicyclecrunch"  
 />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Russian Twist :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/lblRussianTwist"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Sit in an erect position with your feet bend at the knees and feet lying flat on the floor,Lean back a little with an erect back and get to a comfortable position,while contracting the abs muscles :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/txtrussiantwist"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
  
 />  
 <ImageView  
 android:id="@+id/imagePlanks"  
 android:layout\_width="match\_parent"  
 android:layout\_height="150dp"  
 android:src="@drawable/russiantwits"  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Barbell Squats :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/BarbellSquats"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Keep the feet firmly on the floor,they should be wider than shoulder-width,Rest a racked barbell on the upper portion of your back,Take the bar 1 foot outside your shoulders :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/txtbarbellsquat"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
  
 />  
 <ImageView  
 android:id="@+id/imageSquats"  
 android:layout\_width="match\_parent"  
 android:layout\_height="150dp"  
 android:src="@drawable/barbellsquat"  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Dumbbell Swing :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/DumbbellSwing"  
  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Stand with your feet apart,they should be wider than shoulder-width,Place a dumbbell on the floor.Gently squat down, tighten the core, and take the dumbbell with the palm facing the body :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/txtdumbbellswing"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
  
 />  
 <ImageView  
 android:id="@+id/imageSuryaNamaskar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="150dp"  
 android:src="@drawable/dumbbellswing"  
 />  
  
 </LinearLayout>  
</ScrollView>  
</RelativeLayout>

MediumExerActivity.java

package com.example.chintan.selfcare\_app;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
  
public class MediumExerActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_medium\_exer*);  
 }  
}

activity\_high\_exer.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".HighExerActivity"  
 android:background="#eaf4f7"  
 >  
  
 <ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 >  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 >  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Boat Pose :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/lblBoatPose"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Sit with your feet on the floor,knees bent,hands beneath your knees for support.Keeping your chest lifted and shoulders back, engage your abdominal muscles and raise your lower legs until they are parallel to the floor :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/txtBoatPose"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
  
 />  
 <ImageView  
 android:id="@+id/imageBoatPose"  
 android:layout\_width="match\_parent"  
 android:layout\_height="150dp"  
 android:src="@drawable/boatpoas"  
 />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Planks :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/lblPlanks"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Kneel on a mat on all fours with your hands directly under your shoulders. Stretch your legs back one at a time to come into a plank position and engage your abdominal muscles :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/txtPlanks"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
 />  
  
 <ImageView  
 android:id="@+id/imagePlanks"  
 android:layout\_width="match\_parent"  
 android:layout\_height="150dp"  
 android:src="@drawable/plank"  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Squats :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/Squats"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
  
  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Can't get rid of that extra fat around your thighs and butt? Fret not. When you do squats correctly,you engage your entire lower body and your core :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/txtSquats"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
  
 />  
  
 <ImageView  
 android:id="@+id/imageSquats"  
 android:layout\_width="match\_parent"  
 android:layout\_height="150dp"  
 android:src="@drawable/squats"  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Surya Namaskar :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/SuryaNamaskar"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Surya Namaskar, one of the most widely practiced and basic yoga asanas, actually focuses on various parts of the body and work wonders with weight loss :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/txtSuryaNamaskar"  
 android:layout\_marginLeft="10dp"  
 android:textStyle="bold"  
  
  
 />  
 <ImageView  
 android:id="@+id/imageSuryaNamaskar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="150dp"  
 android:src="@drawable/suryanamaskar"  
 />  
  
 </LinearLayout>  
 </ScrollView>  
</RelativeLayout>

HighExerActivity.java

package com.example.chintan.selfcare\_app;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
  
public class HighExerActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_high\_exer*);  
 }  
}

activity\_dietchart.xml

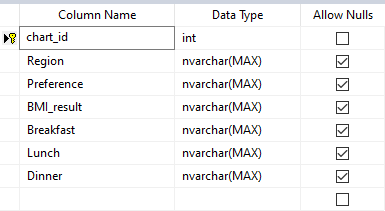
<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".DietchartActivity"  
  
 android:paddingBottom="3dp"  
 android:paddingLeft="3dp"  
 android:paddingRight="3dp"  
 android:paddingTop="3dp"  
 android:background="#eaf4f7"  
 >  
 <ImageView  
 android:id="@+id/imagechart"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 />  
 <ScrollView  
 android:layout\_height="match\_parent"  
 android:layout\_width="match\_parent"  
 >  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 >  
  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="BreakFast :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/lblbreakfast"  
 android:layout\_marginTop="40dp"  
 android:layout\_marginLeft="20dp"  
 android:textStyle="bold"  
  
 />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/txtbreakfast"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="20dp"  
 android:textStyle="bold"  
  
  
 />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Lunch :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/lbllunch"  
 android:layout\_marginTop="40dp"  
 android:layout\_marginLeft="20dp"  
 android:textStyle="bold"  
  
 />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/txtlunch"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="20dp"  
 android:textStyle="bold"  
  
 />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Dinner :"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/lbldinner"  
 android:layout\_marginTop="40dp"  
 android:layout\_marginLeft="20dp"  
 android:textStyle="bold"  
  
 />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:id="@+id/txtdinner"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="20dp"  
 android:textStyle="bold"  
  
  
 />  
  
  
 </LinearLayout>  
 </ScrollView>  
  
</RelativeLayout>

DietchartActivity.java

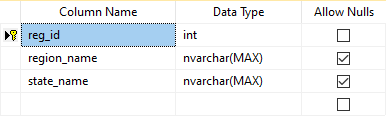
package com.example.chintan.selfcare\_app;  
  
import android.app.ProgressDialog;  
import android.os.Handler;  
import android.os.Message;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.widget.ImageView;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import com.example.chintan.selfcare\_app.ConnectionM.Connection;  
import com.example.chintan.selfcare\_app.Data.Dietchart;  
  
public class DietchartActivity extends AppCompatActivity {  
  
 ImageView chartimage;  
 ProgressDialog dg;  
 int resp;  
 TextView textViewbreakfast,textViewlunch,textViewdinner;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_dietchart*);  
 /\* textViewbreakfast=findViewById(R.id.txtbreakfast);  
 textViewlunch=findViewById(R.id.txtlunch);  
 textViewdinner=findViewById(R.id.txtdinner);\*/  
  
 getchart();  
 chartimage=findViewById(R.id.*imagechart*);  
 // chartimage.setScaleType(ImageView.ScaleType.FIT\_XY);  
  
 textViewbreakfast=findViewById(R.id.*txtbreakfast*);  
 textViewlunch=findViewById(R.id.*txtlunch*);  
 textViewdinner=findViewById(R.id.*txtdinner*);  
  
  
 }  
  
 public void getchart()  
 {  
 final Connection conn = new Connection();  
 if (Connection.*checkNetworkAvailable*(DietchartActivity.this)) {  
 dg = new ProgressDialog(DietchartActivity.this);  
 dg.setMessage("Processing ....");  
 dg.show();  
  
 Thread tthread = new Thread() {  
 @Override  
 public void run() {  
 try {  
 if (conn.getchart())  
 {  
 resp=0;  
 }  
 else  
 {  
 resp=1;  
 }  
 } catch (Exception e) {  
 e.printStackTrace();  
 }  
 hd.sendEmptyMessage(0);  
  
 }  
 };  
 tthread.start();  
 } else {  
 Toast.*makeText*(DietchartActivity.this,"Sorry no network access.", Toast.*LENGTH\_LONG*).show();  
 }  
 }  
  
 public Handler hd = new Handler() {  
 public void handleMessage(Message msg) {  
  
 if (dg.isShowing()) {  
 dg.dismiss();  
 }  
 switch (resp) {  
 case 0:  
 /\* Picasso.with(DietchartActivity.this)  
 .load("http://my-demo.in/selfcare\_App/"+Dietchart.getImagepath())  
 //.load("http://192.168.1.6/selfcare\_service/"+Dietchart.getImagepath())  
  
  
 //.placeholder(R.drawable.ic\_launcher\_background)  
 // .error(R.drawable.ic\_launcher\_foreground)  
 // .resize(600,600)  
 .into(chartimage);\*/  
  
 textViewbreakfast.setText(Dietchart.*getBreakfast\_*());  
 textViewlunch.setText(Dietchart.*getLunch\_*());  
 textViewdinner.setText(Dietchart.*getDinner\_*());  
  
  
 // Toast.makeText(DietchartActivity.this, "Data found", Toast.LENGTH\_SHORT).show();  
  
  
 break;  
 case 1:  
 Toast.*makeText*(DietchartActivity.this, "Data not found", Toast.*LENGTH\_SHORT*).show();  
 break;  
 }  
 }  
  
 };  
  
}

DATABASE SCHEMA

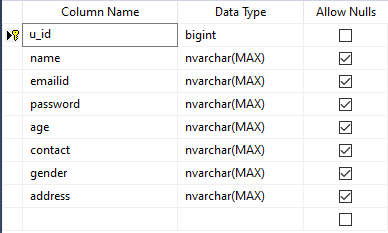
Dietchart\_master



Regions\_master



registration\_master



user\_personal\_details

