### **Abstract:-**

The main Aim of the project "MOBILE DOCTOR APP USING ANDROID" is to develop an android application to cure patient's problem. This project is used to create an android application that is used to place the patients problem .User data is to be gathered at the stage and within short span of time the solution to his particular problem is given through the SMS. This project is used to save time and more importantly for the emergency purposes. It could also serve as the basic first aid app. This app contains both SIGN IN and SIGN UP forms.

This project can be implemented using PHP and JAVA Platforms. In order to provide connectivity from XML to PHP, we use JAVA INTERFACE. Finally the application is available at 24\*7.

## **Project Description**

The project consists of 3 modules:

**Login Module** 

**Patient Reply Module** 

**Maintenance Module** 

#### **Module 1: Login and Introduction Module:**

This module mainly deals with the login details, update account details and validate the details as well as the introduction on the mobile app. The main objective of this module is for the user to have their own account where they can write their ideas about the app and post it through their account. It also has the section of "About us..." which gives clear information and introduction about the app.

#### **Module 2: Patient Reply Module:**

This module is mainly based on providing solutions to the patient's problem. Whatever they know or whatever knowledge they have about the diseases, they write and post. As soon as the problem is provided with the solution then that query is deleted. Updating the first aid policies is the main motto of this module.

#### **Module 3: Maintenance Module:**

The main objective of this module is that the admin selects the problem queries and provides with the options to the user. The user is given a choice to choose his/her choice of treatment. Before that the details of the user that are necessary must be provided and for further details, the user is asked to login into his own account.

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## **PROBLEM STATEMENT**

There are millions of people in the world who suffer from genetic diseases, to help these helpless people struggling for their lives, an interactive app is created where people of all kinds, whether they are suffering from such type of diseases or have experienced and overcome through such awful stages or the ones who have some or great knowledge or experience of such type of diseases or even the great researchers or doctors studying in this stream can be a part of this interactive app, can be a member or user of it and utilize the fruits of the app to its fullest.

The app first helps the users to know about the app and then allows the users to become its member by signing up and then the user logs in and enters his or her profile which consists of the user information entered during registration. The user profile has an option for the user to write blogs which leads to a page where the user can write a blog and post it and all the posts posted by the users can be seen in the all posts page which comes just after the about us page. The other option available to the user in the user profile is references which helps the user to take help of other information related to such type of diseases provided by the app.

## 2. SOFTWARE REQUIREMENT SPECIFICATIONS

## 2.1 Software Requirements

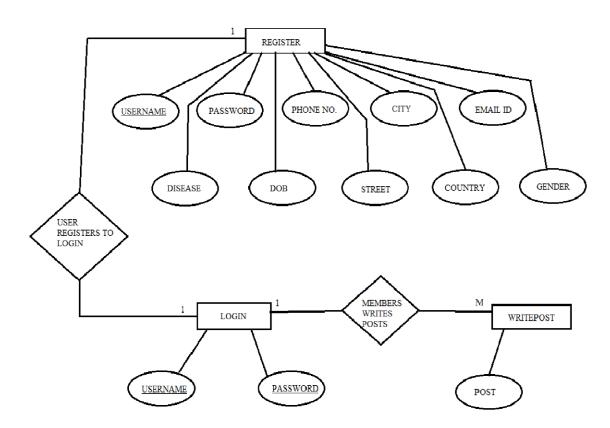
- OS:WINDOWS 7/8/8.1
- Android Studio(XML,JAVA)
- XAAMP Server (MYSQL)
- Android Studio Run

## 2.2 Hardware Requirements

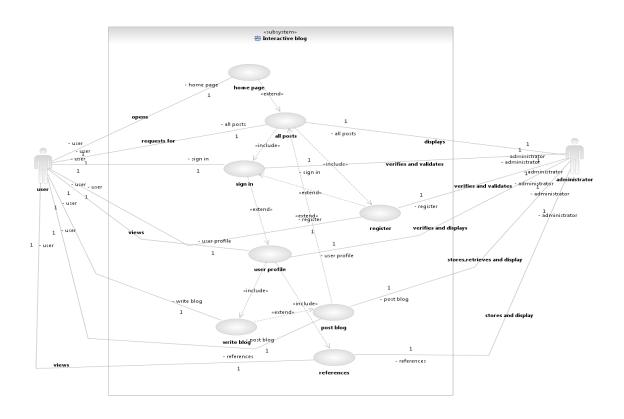
- Processor 2.4G HZ Pentium four and equivalent
- RAM:2GB
- Hard disk:40 Gb

## 3. ANALYSIS AND DESIGN MODELING

### 3.1 E-R DIAGRAM:



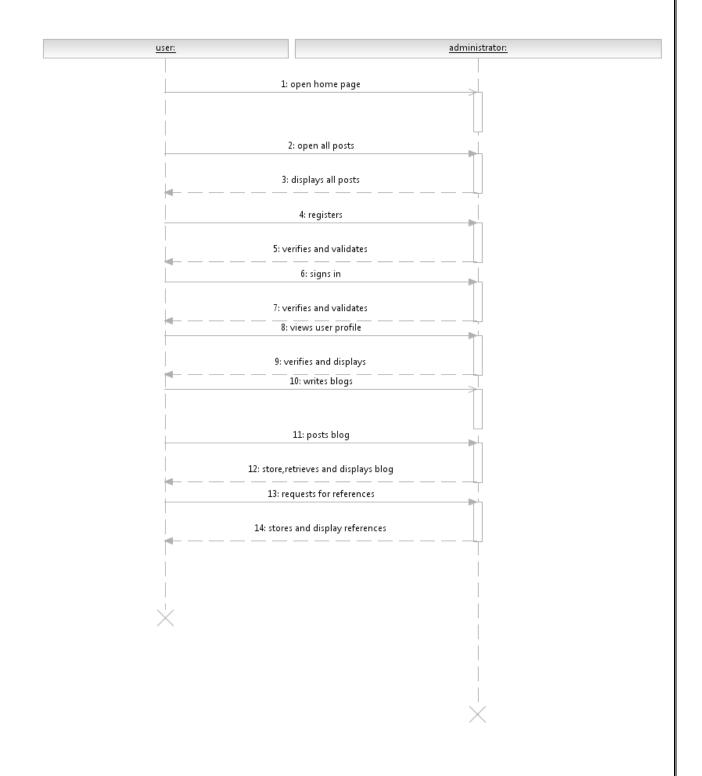
### **3.2 USE CASE DIAGRAM:**



### 3.3 CLASS DIAGRAM:



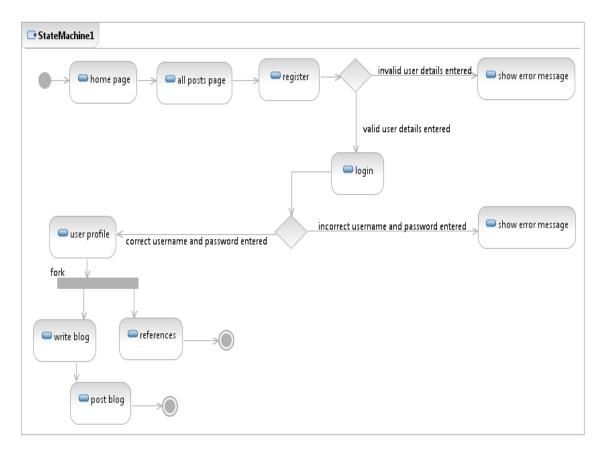
## **3.4 SEQUENCE DIAGRAM:**



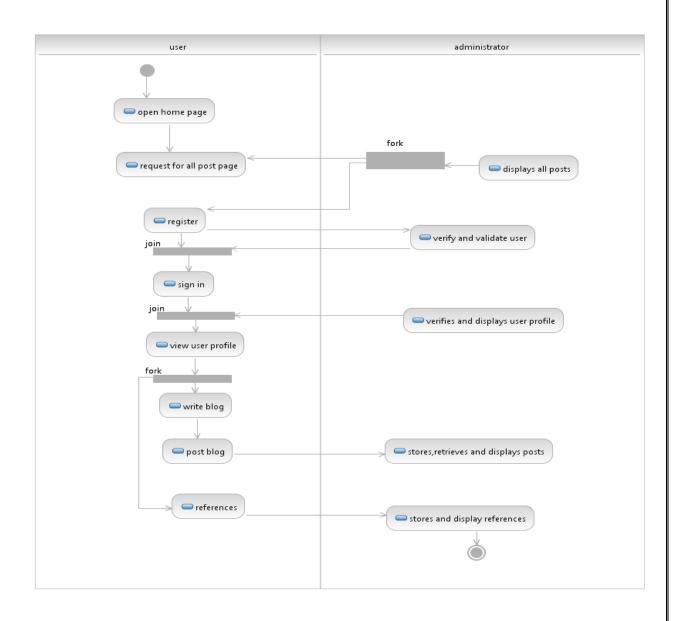
## 3.5 COMMUNICATIONDIAGRAM:

```
13: requests for references
11: posts blog user:
10: writes blogs user profile
6: signs in
4: registers
2: open all posts
1: open home page
1: open home page
7: verifies and validates
7: verifies and validates
9: verifies and displays
12: store, retrieves and displays blog
14: stores and display references
```

## STATE MACHINE DIAGRAM:



### **ACTIVITY DIAGRAM:**



### **SOURCE CODE**

### **Module 1: Login and Introduction Module:**

#### **REGISTER:-**

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
xmlns:tools="http://schemas.android.com/tools" android:layout_width="match_parent"
android:layout_height="match_parent"
android:paddingLeft="@dimen/activity_horizontal_margin"
android:paddingRight="@dimen/activity_horizontal_margin"
android:paddingTop="@dimen/activity_vertical_margin"
android:paddingBottom="@dimen/activity_vertical_margin"
tools:context=".MainActivity">
<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/editNameregister"
android:hint="Name"
android:layout_alignParentTop="true"
android:layout_gravity="center"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true" />
<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
```

```
android:inputType="textEmailAddress"
android:ems="10"
android:id="@+id/editEmailregister"
android:hint="Email"
android:layout_below="@+id/editNameregister"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true" />
<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:inputType="textPassword"
android:ems="10"
android:id="@+id/editPasswordregister"
android:hint="Password"
android:layout_below="@+id/editEmailregister"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true" />
<Button
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="Sign Up"
android:id="@+id/Registerbutton"
android:layout_below="@+id/checkBox"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true" />
<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:inputType="textPassword"
android:ems="10"
```

```
android:id="@+id/editPassword1register"
android:layout_below="@+id/editPasswordregister"
android:layout alignParentLeft="true"
android:layout_alignParentStart="true"
android:hint="Confirm Password" />
<CheckBox
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="I accept all the terms and conditions"
android:id="@+id/checkBox"
android:checked="false"
android:layout_below="@+id/editPassword1register"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true" />
</RelativeLayout>
LOGIN:-
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
xmlns:tools="http://schemas.android.com/tools" android:layout_width="match_parent"
android:layout_height="match_parent"
android:paddingLeft="@dimen/activity horizontal margin"
android:paddingRight="@dimen/activity_horizontal_margin"
android:paddingTop="@dimen/activity_vertical_margin"
android:paddingBottom="@dimen/activity_vertical_margin"
tools:context="com.example.devendra.mobiledoctor.login">
<EditText
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:id="@+id/usernamelogin"
android:layout_alignParentTop="true"
android:layout_alignParentRight="true"
```

```
android:layout_alignParentEnd="true"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true"
android:hint="User name" />
<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:inputType="textPassword"
android:ems="10"
android:id="@+id/passwordlogin"
android:layout_below="@+id/usernamelogin"
android:layout_centerHorizontal="true"
android:hint="Password" />
<CheckBox
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="Keep me logged In"
android:id="@+id/checkBox2"
android:layout_below="@+id/passwordlogin"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true"
android:checked="false" />
<Button
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/login"
android:text="Sign In"
android:layout_below="@+id/checkBox2"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true" />
</RelativeLayout>
```

#### login JAVA:-

```
package com.example.devendra.mobiledoctor;
import android.support.v7.app.ActionBarActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Button;
import android.widget.EditText;
public class login extends ActionBarActivity {
protected EditText muserName;
protected EditText muserPassword;
protected Button mloginButton;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_login);
muserName = (EditText)findViewById(R.id.usernamelogin);
muserPassword = (EditText)findViewById(R.id.passwordlogin);
mloginButton=(Button)findViewById(R.id.login);
}
@Override
public boolean onCreateOptionsMenu(Menu menu) {
// Inflate the menu; this adds items to the action bar if it is present.
getMenuInflater().inflate(R.menu.menu_login, menu);
return true;
```

```
@Override
public boolean onOptionsItemSelected(MenuItem item) {
// Handle action bar item clicks here. The action bar will
// automatically handle clicks on the Home/Up button, so long
// as you specify a parent activity in AndroidManifest.xml.
int id = item.getItemId();
//noinspection SimplifiableIfStatement
if (id == R.id.action_settings) {
return true;
return super.onOptionsItemSelected(item);
}
register JAVA:-
package com.example.devendra.mobiledoctor;
import android.support.v7.app.ActionBarActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class Register extends ActionBarActivity {
protected EditText muserName;
protected EditText muserEmail;
protected EditText muserPassword;
protected Button mRegisterButton;
```

```
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_register);
muserName = (EditText)findViewById(R.id.editNameregister);
muserEmail = (EditText)findViewById(R.id.editEmailregister);
muserPassword = (EditText)findViewById(R.id.editPasswordregister);
muserPassword=(EditText)findViewById(R.id.editPassword1register);
mRegisterButton=(Button)findViewById(R.id.Registerbutton);
mRegisterButton.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
Toast.makeText(Register.this, "registered", Toast.LENGTH_LONG).show();
}
});
@Override
public boolean onCreateOptionsMenu(Menu menu) {
// Inflate the menu; this adds items to the action bar if it is present.
getMenuInflater().inflate(R.menu.menu_register, menu);
return true;
}
@Override
public boolean onOptionsItemSelected(MenuItem item) {
// Handle action bar item clicks here. The action bar will
// automatically handle clicks on the Home/Up button, so long
// as you specify a parent activity in AndroidManifest.xml.
int id = item.getItemId();
```

```
//noinspection SimplifiableIfStatement
if (id == R.id.action_settings) {
return true;
}
return super.onOptionsItemSelected(item);
}
```

### **Module 2: Patient Reply Module:**

#### **Write Post Page:**

```
<%--
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:paddingLeft="@dimen/activity_horizontal_margin"
android:paddingRight="@dimen/activity_horizontal_margin"
android:paddingTop="@dimen/activity_vertical_margin"
android:paddingBottom="@dimen/activity_vertical_margin"
tools:context="com.example.devendra.mobiledoctor.adminlogin">
<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/adminuser"
android:layout_gravity="center_horizontal"
android:text="Username" />
<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:inputType="textPassword"
android:ems="10"
android:id="@+id/adminpassword"
android:layout_gravity="center_horizontal"
android:hint="password"
android:layout_below="@+id/adminuser"
```

```
android:layout_alignParentLeft="true" />

<Button

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:text="submit"

android:id="@+id/adminlogin"

android:layout_gravity="center_horizontal"

android:layout_below="@+id/adminpassword"

android:layout_alignParentLeft="true"

android:layout_alignParentStart="true" />

</RelativeLayout>
```

#### Patient:-

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:paddingLeft="@dimen/activity_horizontal_margin"
android:paddingRight="@dimen/activity_horizontal_margin"
android:paddingTop="@dimen/activity_vertical_margin"
android:paddingBottom="@dimen/activity_vertical_margin"
tools:context="com.example.devendra.mobiledoctor.patient"
android:touchscreenBlocksFocus="false">
```

```
<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/patientname"
android:hint="Name"
android:layout_alignParentTop="true"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true" />
<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/patientemail"
android:layout_gravity="center_horizontal"
android:hint="Email"
android:layout_below="@+id/patientname"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true" />
<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/patientphone"
android:layout_gravity="center_horizontal"
android:hint="Phone"
android:layout_below="@+id/patientemail"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true" />
```

```
<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/age"
android:layout_gravity="center_horizontal"
android:hint="Age"
android:layout_below="@+id/patientphone"
android:layout_alignParentRight="true"
android:layout_alignParentEnd="true" />
<CheckBox
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="Have you face this problem before?"
android:id="@+id/checkBox3"
android:checked="false"
android:layout_weight="0.06"
android:layout_above="@+id/submit"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true" />
<Button
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="Submit"
android:id="@+id/submit"
android:layout_gravity="center_horizontal"
android:layout_marginBottom="73dp"
android:layout_alignParentBottom="true"
```

```
android:layout_centerHorizontal="true" />
<EditText
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:id="@+id/problem"
android:hint="Problem"
android:layout_below="@+id/age"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true"
android:layout_alignParentRight="true"
android:layout_alignParentEnd="true"
android:layout_above="@+id/checkBox3"/>
</RelativeLayout>
ADMIN LOGIN JAVA:-
package com.example.devendra.mobiledoctor;
import android.support.v7.app.ActionBarActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Button;
import android.widget.EditText;
```

public class adminlogin extends ActionBarActivity {

```
protected EditText madminuser;
protected EditText madminPassword;
protected Button madminlogin;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_adminlogin);
madminuser = (EditText)findViewById(R.id.adminuser);
madminPassword = (EditText)findViewById(R.id.adminpassword);
madminlogin=(Button)findViewById(R.id.adminlogin);
}
@Override
public boolean onCreateOptionsMenu(Menu menu) {
// Inflate the menu; this adds items to the action bar if it is present.
getMenuInflater().inflate(R.menu.menu_adminlogin, menu);
return true;
}
@Override
public boolean onOptionsItemSelected(MenuItem item) {
// Handle action bar item clicks here. The action bar will
// automatically handle clicks on the Home/Up button, so long
// as you specify a parent activity in AndroidManifest.xml.
int id = item.getItemId();
```

```
//noinspection SimplifiableIfStatement
if (id == R.id.action_settings) {
return true;
}
return super.onOptionsItemSelected(item);
}
PATIENT LOGIN:-
package com.example.devendra.mobiledoctor;
import android.support.v7.app.ActionBarActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class patient extends ActionBarActivity {
protected EditText mpatientName;
protected EditText mpatientEmail;
protected EditText mpatientphone;
protected EditText mage;
protected EditText mproblem;
protected Button msubmit;
protected Button mRegisterButton;
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_patient);
mpatientName = (EditText)findViewById(R.id.patientname);
mpatientEmail = (EditText)findViewById(R.id.patientemail);
mpatientphone = (EditText)findViewById(R.id.patientphone);
mage=(EditText)findViewById(R.id.age);
mproblem = (EditText)findViewById(R.id.problem);
msubmit=(Button)findViewById(R.id.submit);
mRegisterButton.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
       Toast.makeText(patient.this, "problem submited you will get reply in short
       peroid of time", Toast.LENGTH_LONG).show();
}
});
@Override
public boolean onCreateOptionsMenu(Menu menu) {
// Inflate the menu; this adds items to the action bar if it is present.
getMenuInflater().inflate(R.menu.menu_patient, menu);
return true;
}
@Override
public boolean onOptionsItemSelected(MenuItem item) {
// Handle action bar item clicks here. The action bar will
// automatically handle clicks on the Home/Up button, so long
// as you specify a parent activity in AndroidManifest.xml.
int id = item.getItemId();
```

```
//noinspection SimplifiableIfStatement
if (id == R.id.action_settings) {
  return true;
}
return super.onOptionsItemSelected(item);
}
```

#### **Module 3: Maintenance Module:**

### **Maintenance Page:**

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
android:orientation="vertical" android:layout_width="match_parent"
android:layout_height="match_parent"
android:weightSum="1">
<CheckBox
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="Service Satisfied"
android:id="@+id/checkBoxcomplaints"
android:layout_gravity="center_horizontal"
android:layout_weight="0.09"
android:checked="false" />
<TextView
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:hint="Any Complaiants?"
android:id="@+id/complaintsfeedback"
android:layout_gravity="center_horizontal"
android:layout_weight="0.29"/>
<RatingBar
```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:id="@+id/ratingBar"
android:layout_gravity="center_horizontal" />
<Button
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="Submit"
android:id="@+id/submitfeedback"/>
</LinearLayout>
QUERY:
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
xmlns:tools="http://schemas.android.com/tools" android:layout_width="match_parent"
android:layout_height="match_parent"
android:paddingLeft="@dimen/activity_horizontal_margin"
android:paddingRight="@dimen/activity_horizontal_margin"
android:paddingTop="@dimen/activity_vertical_margin"
android:paddingBottom="@dimen/activity_vertical_margin"
tools:context="com.example.devendra.mobiledoctor.query">
<EditText
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/complaintsquery"
android:layout_weight="0.23"
android:hint="Complaints?"
android:layout_above="@+id/button4"
android:layout_alignParentTop="true" />
<Button
android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
android:text="submit"
android:id="@+id/querybutton"
android:layout_gravity="center_horizontal"
android:layout_centerVertical="true"
android:layout_alignParentLeft="true"
android:layout_alignParentStart="true" />
</RelativeLayout>
```

#### **Java CODE FOR QUERY:**

```
package com.example.devendra.mobiledoctor;
import android.support.v7.app.ActionBarActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Button;
import android.widget.EditText;
public class query extends ActionBarActivity {
protected EditText mcomplaints;
protected Button mquerybutton;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_query);
mcomplaints = (EditText)findViewById(R.id.complaintsquery);
mquerybutton =(Button)findViewById(R.id.querybutton);
}
@Override
public boolean onCreateOptionsMenu(Menu menu) {
// Inflate the menu; this adds items to the action bar if it is present.
getMenuInflater().inflate(R.menu.menu_query, menu);
return true;
```

```
@Override
public boolean onOptionsItemSelected(MenuItem item) {

// Handle action bar item clicks here. The action bar will

// automatically handle clicks on the Home/Up button, so long

// as you specify a parent activity in AndroidManifest.xml.

int id = item.getItemId();

//noinspection SimplifiableIfStatement

if (id == R.id.action_settings) {

return true;

}

return super.onOptionsItemSelected(item);

}
```

#### JAVA CODE FOR FEEDBACK

```
package com.example.devendra.mobiledoctor;
import android.support.v7.app.ActionBarActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
public class feedback extends ActionBarActivity {

@Override
protected void onCreate(Bundle savedInstanceState) {
  super.onCreate(savedInstanceState);
  setContentView(R.layout.activity_feedback);
  }

@Override
```

```
public boolean onCreateOptionsMenu(Menu menu) {
// Inflate the menu; this adds items to the action bar if it is present.
getMenuInflater().inflate(R.menu.menu_feedback, menu);
return true;
}
@Override
public boolean onOptionsItemSelected(MenuItem item) {
// Handle action bar item clicks here. The action bar will
// automatically handle clicks on the Home/Up button, so long
// as you specify a parent activity in AndroidManifest.xml.
int id = item.getItemId();
//noinspection SimplifiableIfStatement
if (id == R.id.action_settings) {
return true;
}
return super.onOptionsItemSelected(item);
}
```

## **5. OUTPUT SCREENSHOTS**

## **Login Page:**



Fig. 5.1.1: About Login Page

# **Registration page:**



Fig. 5.1.2: Registration Activity

# Admin login:-



Fig. 5.1.3: Admin login Page

## Patients complaint module:-



Fig. 5.1.4: Patients complaint Page

# Feedback Page:-



Fig. 5.1.5: Feedback page

# Query complaints page:-

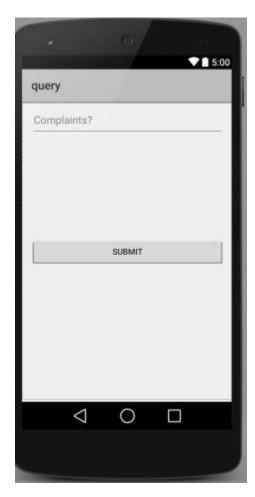


Fig. 5.2.1: Query complaintsPage

## **6. CONCLUSION AND FUTURE WORK**

- This app particularly aims on helping the sufferers of genetic diseases.
- It even helps them share their inner feelings and sufferings to people like them or to people who understand them, so that they can easily get through it.
- This project will be implemented using JAVA, XML and MySQL.
- It is almost like a blog which may further be implemented with a chatting application for a better interactive session for the users.

7. REFERENCES
7.1 Text Book References
XML Data Exchange Book, Global Services
• Schildt "Java2: The Complete Reference", Tata Mc Graw Hill, 5th Edition.
7.2 Website References
• <a href="http://www.javatpoint.com">http://www.javatpoint.com</a>
http://www.androidstudio.com/acitivity
• <a href="http://www.tutorialspoint.com/mysql/">http://www.tutorialspoint.com/mysql/</a>
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