



VIT[®]
UNIVERSITY
(Estd. u/s 3 of UGC Act 1956)

**SCHOOL OF INFORMATION TECHNOLOGY AND
ENGINEERING**

BCA

ANDROID PATIENT TRACKER

K.BHARATH

(15BCA0009)

R.MAYUR

(15BCA0041)

SUNIL KUMAR

(15BCA0102)

Project Report

Of

ITA2011-MOBILE APPLICATION DEVELOPMENT

Fall 2017-18

Submitted to

Faculty: Prof.P.SRINIVASAN

Signature:

Date:

ABSTRACT

App propose to develop an android application to aid in dispensary patient data management and viewing. The system is aimed to help doctors to enter as well as view patient history as well as other patient details. Our system is a standalone system that can be installed on doctor android phone to be used for further login. On installation the application allows a doctor to open application and enter the details of any patient that undertakes his service. The application allows doctor to insert various data fields regarding a patient including patient name, disease, medication provided, date of arrival, cost etc. The system saves this patient related data in the android phone. The doctor may now view this data as and when needed. The doctor may check the details whenever needed. The application allows doctor to search patients by name as well as date.

INTRODUCTION

Implemented an android application for patient data management and viewing. The system is aimed to help doctors to add new patient personal information and update the medical condition each time he visits. The doctor can use the application to get all the past medical history of that particular patient at any given point of time. The doctor can also check on all the patients he treated for any particular day of the calendar. System is a standalone system that can be installed on an android phone and can be used with valid login credentials. On installation and successful login into the application, a doctor can add a new patient, his personal information, medical information and also he can insert new medical conditions into the existing patient's medical records. The application allows doctor to insert various data fields regarding a patient including patient name, contact information, age, blood group, gender, medical condition, medication provided, date of visit which the system automatically takes in, etc. The system saves all the patient information in a database created in the android phone. The doctor may now view this data as and when needed. The application allows doctor to search patients by name which displays all his medical conditions and the medication received in a chronological order starting from most recent visit. The application also has feature where the doctor can pull out all the patients he attended for any particular date.

Software and Tools:

1. **Android SDK:** To create the android application.
2. **Android studio:** Development environment.
3. **Android Phones:** HTC One, Nexus 5x, Moto G, cool pad , Redmi devices used to test the application.
4. **SQLite:** Database used in the android phone.

DESIGN METHODOLOGY

The application is designed for the doctors and hence not everybody can register into the application. Hence to overcome this for any user to register they need to get a Registration code which is provided by the hospital to which the doctor works or ones the doctor has verified his credentials the app market provides the registration code. After getting the registration code the doctor can set up his profile and login to the application. As and when he treats a patient he can key in the patient details into the application and also his condition, medication provided as well as note/suggestion to the patient. Once the patient details are keyed into the application the doctor can use it every time the patient visits him and insert the medical condition or look into his medical history for reference and based upon that he can provide medication. The doctor can also keep tab on the patients he treated on any particular date for his own reference

IMPLEMENTATION

Doctor has to login with a valid username and password, if she/he does not have a profile registered she/he has to go to the register page. Below are the screenshots of the login page, if we key in invalid username and invalid password. On successful login we can see doctor menu. Doctor can only register with a valid registration code otherwise registration fails. Below are screenshots for register page, registration failure and on successful registration .Doctor Menu provides functions to add a new patient, search for a patient and search patients using date of visit. Add Patient: This page gathers all the patient personal information and in the next page gathers the medical condition for that particular day. page pulls out medical history of the patient using patients name and also provides an option to insert new medical entry for that particular day. Page takes in the medical information of the patient and inserts into patients medical history

CODE

1.mainactivty.java

```
package com.example.babyboss.androidpatient;

import android.content.Context;
import android.content.Intent;
import android.content.SharedPreferences;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    TextView t1,t2;
    DatabaseHelper helper=new DatabaseHelper(this);

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Button b1=(Button)findViewById(R.id.button2);
        Button b2=(Button)findViewById(R.id.button10);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                t1 = (TextView) findViewById(R.id.editText);
                t2 = (TextView) findViewById(R.id.editText2);
                final String name = t1.getText().toString();
                final String pwd = t2.getText().toString();
                if (name.length() == 0)
                {
                    t1.requestFocus();
                    t1.setError("FIELD CANNOT BE EMPTY");
                } else if (!name.matches("[a-zA-Z ]+")) {
                    t1.requestFocus();
                    t1.setError("ENTER ONLY ALPHABETICAL CHARACTER");
                } else if (pwd.length() == 0) {
                    t2.requestFocus();
                    t2.setError("FIELD CANNOT BE EMPTY");
                } else {
                    SharedPreferences sp1 = getSharedPreferences("MyPref",
Context.MODE_PRIVATE);
                    SharedPreferences.Editor ed1 = sp1.edit();
                    ed1.putString(name, pwd);
                    ed1.commit();

                    t1.setText("");
                    t2.setText("");

                    Intent intent = new
Intent("com.example.babyboss.androidpatient.Main2Activity");
                    Toast.makeText(getApplicationContext(), " Login successfull..",
Toast.LENGTH_LONG).show();
                }
            }
        });
    }
}
```

```

        startActivity(intent);
    }
}
});
b2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {

        Intent intent = new Intent(MainActivity.this, sign.class);
        Toast.makeText(getApplicationContext(), " Login successfull..",
Toast.LENGTH_LONG).show();
        startActivity(intent);
    }

});
}
}

```

xml file

```

<?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"
    android:layout_width="match_parent" android:layout_height="match_parent"
    android:background="@drawable/golgen">

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="100dp"
        android:layout_height="100dp"
        android:background="@drawable/gif"
        android:layout_marginTop="56dp"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true" />

    <EditText
        android:id="@+id/editText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="51dp"
        android:ems="10"
        android:fontFamily="Calibri"
        android:inputType="textPersonName"
        android:textColor="#FFFFFF"
        android:text=""
        android:layout_below="@+id/imageView"
        android:layout_centerHorizontal="true" />

    <EditText
        android:id="@+id/editText2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignEnd="@+id/editText"
        android:layout_alignRight="@+id/editText"
        android:layout_below="@+id/editText"
        android:layout_marginTop="32dp"
        android:fontFamily="Calibri"
        android:ems="10"
        android:textColor="#FFFFFF"
        android:inputType="textPassword" />

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"

```

```

        android:layout_height="wrap_content"
        android:text="Login"
        android:onClick="onButtonClick"
        android:textColor="#800080"
        android:fontFamily="sans-serif"
        android:background="#ffe4e1"
        android:maxLength="2dp"
        android:maxLength="2dp"
        android:padding="0dp"
        android:textSize="8dp"
        android:layout_marginTop="50dp"
        android:layout_below="@+id/editText2"
        android:layout_toRightOf="@+id/imageView"
        android:layout_toEndOf="@+id/imageView" />

<Button
    android:id="@+id/button10"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="NEW user!!"
    android:maxLength="2dp"
    android:maxLength="2dp"
    android:padding="0dp"
    android:textSize="8dp"
    android:onClick="onnewuser"
    android:background="#ffe4e1"
    android:fontFamily="sans-serif"
    android:textColor="#800080"
    android:layout_alignBaseline="@+id/button2"
    android:layout_alignBottom="@+id/button2"
    android:layout_toLeftOf="@+id/imageView"
    android:layout_toStartOf="@+id/imageView" />

<RatingBar
    android:id="@+id/ratingBar"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_above="@+id/imageView"
    android:layout_alignLeft="@+id/editText"
    android:layout_alignStart="@+id/editText"
    android:layout_marginLeft="18dp"
    android:layout_marginStart="18dp" />

</RelativeLayout>

```

2. mainactivity2.java

```

package com.example.babyboss.androidpatient;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;

public class Main2Activity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
    }
}

```



```

public void save(View V){

    EditText e1=(EditText)findViewById(R.id.editText3);
    EditText e2=(EditText)findViewById(R.id.editText4);
    EditText e3=(EditText)findViewById(R.id.editText11);
    EditText e4=(EditText)findViewById(R.id.editText13);
    final String a=e1.getText().toString();
    final String b=e2.getText().toString();
    final String c=e3.getText().toString();
    final String d=e4.getText().toString();
    if(a.length()==0)

    {
        e1.requestFocus();
        e1.setError("NAME CANNOT BE EMPTY");
    }
    else if(!a.matches("[a-zA-Z ]+"))
    {
        e1.requestFocus();
        e1.setError("ENTER ONLY ALPHABETICAL CHARACTER");
    }
    else if(b.length()==0)
    {
        e2.requestFocus();
        e2.setError("enter age");
    }
    else if(c.length()==0)
    {
        e3.requestFocus();
        e3.setError("please fill the address");
    }
    else if(d.length()==0)
    {
        e4.requestFocus();
        e4.setError("Enter contacts details");
    }
    else
    {
        Intent in = new Intent(this, Main3Activity.class);
        in.putExtra("Patientname", a);
        in.putExtra("Age", b);
        in.putExtra("Address", c);
        in.putExtra("Contact", d);
        startActivity(in);
    }
}
}

```

xml file

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/two">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="63dp"
        android:text="PatientName:"
        android:textColor="#ffffff"
        android:textSize="15dp"
        android:layout_alignParentTop="true"

```

```

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

<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="53dp"
    android:text="Age:"
    android:textColor="#ffffff"
    android:textSize="15dp"
    android:layout_below="@+id/textView2"
    android:layout_alignLeft="@+id/textView2"
    android:layout_alignStart="@+id/textView2"
    android:layout_marginLeft="26dp"
    android:layout_marginStart="26dp" />

<EditText
    android:id="@+id/editText3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:layout_alignBottom="@+id/textView2"
    android:layout_alignParentRight="true"
    android:layout_alignParentEnd="true"
    android:textColor="#ffffff"
    android:textSize="20dp"/>

<EditText
    android:id="@+id/editText4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:textColor="#ffffff"
    android:textSize="20dp"
    android:layout_alignBaseline="@+id/textView3"
    android:layout_alignBottom="@+id/textView3"
    android:layout_alignParentRight="true"
    android:layout_alignParentEnd="true" />

<TextView
    android:id="@+id/textView10"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Address:"
    android:layout_centerVertical="true"
    android:layout_alignLeft="@+id/textView11"
    android:layout_alignStart="@+id/textView11"
    android:textColor="#ffffff"
    android:textSize="15dp"/>

<EditText
    android:id="@+id/editText11"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:textColor="#ffffff"
    android:textSize="20dp"
    android:layout_centerVertical="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentEnd="true" />

<TextView
    android:id="@+id/textView11"
    android:layout_width="wrap_content"

```

```

        android:layout_height="wrap_content"
        android:layout_marginTop="65dp"
        android:text="Contact"
        android:textColor="#ffffff"
        android:textSize="15dp"
        android:layout_below="@+id/editText11"
        android:layout_alignLeft="@+id/textView3"
        android:layout_alignStart="@+id/textView3" />

<Button
    android:id="@+id/button4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Submit"
    android:onClick="save"
    android:layout_marginBottom="13dp"
    android:textColor="#f00"
    android:textSize="15dp"
    android:layout_alignParentBottom="true"
    android:layout_toRightOf="@+id/textView2"
    android:layout_toEndOf="@+id/textView2" />

<EditText
    android:id="@+id/editText13"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:textColor="#ffffff"
    android:textSize="20dp"
    android:layout_alignTop="@+id/textView11"
    android:layout_alignParentRight="true"
    android:layout_alignParentEnd="true" />

</RelativeLayout>

```

3. mainactivity3.java

```

package com.example.babyboss.androidpatient;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;

public class Main3Activity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
    }
}

```

```

setContentView(R.layout.activity_main3);
String ppatientname = getIntent().getExtras().getString("Patientname");
String Aage = getIntent().getExtras().getString("Age");
String Aaddress = getIntent().getExtras().getString("Address");
String Ccontact = getIntent().getExtras().getString("Contact");

TextView t1 = (TextView) findViewById(R.id.textView);
t1.setText(String.valueOf(ppatientname));
TextView t2 = (TextView) findViewById(R.id.textView5);
t2.setText(String.valueOf(Aage));
TextView t3 = (TextView) findViewById(R.id.textView6);
t3.setText(String.valueOf(Aaddress));
TextView t4 = (TextView) findViewById(R.id.textView7);
t4.setText(String.valueOf(Ccontact));

Button b1=(Button) findViewById(R.id.button3);
b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Toast.makeText(getApplicationContext(),"Details are
saved...",Toast.LENGTH_LONG).show();
        Intent intent=new
Intent("com.example.babyboss.androidpatient.Main4Activity");
        startActivity(intent);
    }
});
}
}

```

xml file

```

<?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"
    android:background="@drawable/plain"

    android:layout_width="match_parent" android:layout_height="match_parent">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="20dp"
        android:textColor="#EE82"
        android:layout_alignBaseline="@+id/textView12"
        android:layout_alignBottom="@+id/textView12"
        android:layout_alignLeft="@+id/textView5"
        android:layout_alignStart="@+id/textView5" />

    <TextView
        android:id="@+id/textView5"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="20dp"
        android:textColor="#EE82"

        android:layout_marginBottom="60dp"
        android:layout_above="@+id/textView14"
        android:layout_alignLeft="@+id/textView6"
        android:layout_alignStart="@+id/textView6" />

    <TextView
        android:id="@+id/textView6"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="20dp"

```

```

        android:textColor="#EE82"

        android:layout_marginLeft="54dp"
        android:layout_marginStart="54dp"
        android:layout_below="@+id/textView5"
        android:layout_alignLeft="@+id/button3"
        android:layout_alignStart="@+id/button3" />

<TextView
    android:id="@+id/textView7"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="20dp"
    android:textColor="#EE82"
    android:layout_marginBottom="38dp"
    android:layout_above="@+id/button3"
    android:layout_alignRight="@+id/textView6"
    android:layout_alignEnd="@+id/textView6"
    android:layout_marginRight="18dp"
    android:layout_marginEnd="18dp" />

<TextView
    android:id="@+id/textView12"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="PatientName:"
    android:textSize="16dp"
    android:textColor="#EE82EE"
    android:layout_marginTop="69dp"
    android:layout_alignParentTop="true"
    android:layout_alignLeft="@+id/textView14"
    android:layout_alignStart="@+id/textView14" />

<TextView
    android:id="@+id/textView13"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="20dp"
    android:textColor="#EE82EE"
    android:text="Age:"
    android:layout_alignBaseline="@+id/textView5"
    android:layout_alignBottom="@+id/textView5"
    android:layout_alignLeft="@+id/textView14"
    android:layout_alignStart="@+id/textView14"
    android:layout_marginLeft="11dp"
    android:layout_marginStart="11dp" />

<TextView
    android:id="@+id/textView14"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Address:"
    android:textSize="20dp"
    android:textColor="#EE82EE"
    android:layout_centerVertical="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentStart="true"
    android:layout_marginLeft="25dp"
    android:layout_marginStart="25dp" />

<TextView
    android:id="@+id/textView15"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Contactno:"
    android:textSize="20dp"
    android:textColor="#EE82EE"
    android:layout_alignBaseline="@+id/textView7"

```

```

        android:layout_alignBottom="@+id/textView7"
        android:layout_alignLeft="@+id/textView14"
        android:layout_alignStart="@+id/textView14" />

<Button
    android:id="@+id/button3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Next"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="41dp" />

</RelativeLayout>

```

4. mainactivity4.java

```

package com.example.babyboss.androidpatient;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Toast;

public class Main4Activity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main4);
    }

    public void patient(View V) {
        Toast.makeText(getApplicationContext(), "add patient details",
        Toast.LENGTH_LONG).show();
        Intent intent=new
        Intent("com.example.babyboss.androidpatient.Main5Activity");
        startActivity(intent);
    }
    public void save(View V) {

        Toast.makeText(getApplicationContext(), "Selected To Proceed...",
        Toast.LENGTH_LONG).show();
        Intent in=new Intent("com.example.babyboss.androidpatient.Main7Activity");
        startActivity(in);

    }
    public void medical(View V) {

        Toast.makeText(getApplicationContext(), "Selected To Proceed...",
        Toast.LENGTH_LONG).show();
        Intent in=new Intent("com.example.babyboss.androidpatient.Main6Activity");
        startActivity(in);

    }
}

```

```
}
```

xml file

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/bc">

    <TextView
        android:id="@+id/textView9"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="40dp"
        android:text="Doctor Menu"
        android:textSize="30dp"
        android:textColor="#ffffff"
        android:layout_alignParentTop="true"
        android:layout_alignLeft="@+id/button7"
        android:layout_alignStart="@+id/button7" />

    <Button
        android:id="@+id/button5"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="72dp"
        android:text="Send mail"
        android:onClick="patient"
        android:layout_below="@+id/textView9"
        android:layout_alignRight="@+id/button6"
        android:layout_alignEnd="@+id/button6" />

    <Button
        android:id="@+id/button6"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="62dp"
        android:text="MEDICAL LOGIN"
        android:onClick="medical"
        android:layout_marginLeft="103dp"
        android:layout_marginStart="103dp"
        android:layout_below="@+id/button5"
        android:layout_alignParentLeft="true"
        android:layout_alignParentStart="true" />

    <Button
        android:id="@+id/button7"
        android:onClick="save"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="71dp"
        android:text="PATIENT DETAILS"
        android:layout_below="@+id/button6"
        android:layout_alignLeft="@+id/button6"
        android:layout_alignStart="@+id/button6" />
</RelativeLayout>
```

5. mainactivity5.java

```

package com.example.babyboss.androidpatient;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;

public class Main5Activity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main5);
    }
    @SuppressWarnings("LongLogTag")
    public void attach(View V){

        EditText e10=(EditText)findViewById(R.id.editText5);
        EditText t1=(EditText)findViewById(R.id.editText6);
        String f=e10.getText().toString();
        String b=t1.getText().toString();
        Log.i("Send email", "");

        String[] TO = {"sunilkumar.jayamoorthy@gmail.com"};
        String[] CC = {"sunilkumar.j2015@vit.ac.in"};
        Intent emailIntent = new Intent(Intent.ACTION_SEND);
        emailIntent.setData(Uri.parse("mailto:"));
        emailIntent.setType("text/plain");

        emailIntent.putExtra(Intent.EXTRA_EMAIL, TO);
        emailIntent.putExtra(Intent.EXTRA_CC, CC);
        emailIntent.putExtra(Intent.EXTRA_SUBJECT, "Your subject");
        emailIntent.putExtra(Intent.EXTRA_TEXT, "Email message goes here");

        try {
            startActivity(Intent.createChooser(emailIntent, "Send mail..."));
            finish();
            Log.i("Finished sending email...", "");
        } catch (android.content.ActivityNotFoundException ex) {
            Toast.makeText(getApplicationContext(),
                "There is no email client installed.",
                Toast.LENGTH_SHORT).show();
        }

    }
}

```

xml file

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:background="@drawable/cap"
    android:layout_height="match_parent">

```



```

<TextView
    android:id="@+id/textView4"
    android:textColor="#FF00FF"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginLeft="44dp"
    android:layout_marginStart="44dp"
    android:layout_marginTop="70dp"
    android:text="Add Patient Name:" />

<EditText
    android:id="@+id/editText5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_marginLeft="28dp"
    android:layout_marginStart="28dp"
    android:layout_marginTop="56dp"
    android:layout_toEndOf="@+id/textView4"
    android:layout_toRightOf="@+id/textView4"
    android:ems="10"
    android:inputType="textPersonName" />

<TextView
    android:id="@+id/textView8"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView4"
    android:layout_alignStart="@+id/textView4"
    android:layout_below="@+id/editText5"
    android:layout_marginLeft="23dp"
    android:layout_marginStart="23dp"
    android:layout_marginTop="47dp"
    android:textColor="#f00000"
    android:text="Enter Medical Prescription:" />

<Button
    android:id="@+id/button8"
    android:onClick="attach"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="25dp"
    android:text="Send Attachment" />

<EditText
    android:id="@+id/editText6"
    android:layout_width="150dp"
    android:layout_height="150dp"
    android:layout_below="@+id/textView8"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="59dp"
    android:ems="10"
    android:inputType="textPersonName"
    />

```

```

</RelativeLayout>

```

6. mainactivity6.java

```
package com.example.babyboss.androidpatient;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;

public class Main5Activity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main5);
    }
    @SuppressLint("LongLogTag")
    public void attach(View V){

        EditText e10=(EditText)findViewById(R.id.editText5);
        EditText t1=(EditText)findViewById(R.id.editText6);
        String f=e10.getText().toString();
        String b=t1.getText().toString();
        Log.i("Send email", "");

        String[] TO = {"sunilkumar.jayamoorthy@gmail.com"};
        String[] CC = {"sunilkumar.j2015@vit.ac.in"};
        Intent emailIntent = new Intent(Intent.ACTION_SEND);
        emailIntent.setData(Uri.parse("mailto:"));
        emailIntent.setType("text/plain");

        emailIntent.putExtra(Intent.EXTRA_EMAIL, TO);
        emailIntent.putExtra(Intent.EXTRA_CC, CC);
        emailIntent.putExtra(Intent.EXTRA_SUBJECT, "Your subject");
        emailIntent.putExtra(Intent.EXTRA_TEXT, "Email message goes here");

        try {
            startActivity(Intent.createChooser(emailIntent, "Send mail..."));
            finish();
            Log.i("Finished sending email...", "");
        } catch (android.content.ActivityNotFoundException ex) {
            Toast.makeText(getApplicationContext(),
                "There is no email client installed.",
                Toast.LENGTH_SHORT).show();
        }

    }
}
```

XML FILE

```
<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:background="@drawable/sand"
tools:context=".Main6Activity">

<TextView
    android:id="@+id/textView16"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginLeft="30dp"
    android:layout_marginStart="30dp"
    android:layout_marginTop="94dp"
    android:text="Username" />

<EditText
    android:id="@+id/editText7"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:layout_alignBaseline="@+id/textView16"
    android:layout_alignBottom="@+id/textView16"
    android:layout_alignParentRight="true"
    android:layout_alignParentEnd="true"
    android:layout_marginRight="23dp"
    android:layout_marginEnd="23dp" />

<TextView
    android:id="@+id/textView17"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignEnd="@+id/textView16"
    android:layout_alignRight="@+id/textView16"
    android:layout_below="@+id/editText7"
    android:layout_marginTop="63dp"
    android:text="Password"
/>

<EditText
    android:id="@+id/editText8"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="numberPassword"
    android:layout_alignBottom="@+id/textView17"
    android:layout_alignLeft="@+id/editText7"
    android:layout_alignStart="@+id/editText7" />

<Button
    android:id="@+id/LoginButton"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/editText8"
    android:layout_marginLeft="26dp"
    android:layout_marginStart="26dp"
    android:layout_marginTop="100dp"
    android:layout_toEndOf="@+id/textView17"
    android:layout_toRightOf="@+id/textView17"
    android:text="login"
    android:maxLength="2dp"
    android:maxHeight="2dp"
    android:padding="0dp"
    android:textSize="8dp"
    android:background="#ffe4e1"
    android:fontFamily="sans-serif"

```

```

        android:textColor="#800080"

    />
</RelativeLayout>

```

7. mainactivity7.java

```

package com.example.babyboss.androidpatient;

import android.content.Intent;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;

public class Main7Activity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main7);

        Button b1=(Button)findViewById(R.id.button9);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Toast.makeText(getApplicationContext(), "Details are saved...",
                Toast.LENGTH_LONG).show();
                Intent intent = new
                Intent("com.example.babyboss.androidpatient.Main4Activity");
                startActivity(intent);
            }
        });
    }
}

```

xml file

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent" android:layout_height="match_parent"
    android:background="@drawable/doctor">

    <TextView
        android:id="@+id/textView18"
        android:layout_width="200dp"
        android:layout_height="200dp"
        android:textSize="20dp"
        android:textColor="#7851a9"
        android:text="The Details will be displayed soon.. Wait for Further updates
        THANK-----YOU---"
        android:layout_marginTop="138dp"
        android:layout_alignParentTop="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentEnd="true" />

    <TextView
        android:id="@+id/textView20"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"

```

```

        android:layout_alignParentLeft="true"
        android:layout_alignParentStart="true"
        android:layout_below="@+id/textView18"
        android:layout_marginLeft="47dp"
        android:textColor="#000000"
        android:layout_marginStart="47dp"
        android:layout_marginTop="25dp"
        android:text="Press here to HOME PAGE" />

<Button
    android:id="@+id/button9"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignTop="@+id/textView20"
    android:layout_marginLeft="35dp"
    android:layout_marginStart="35dp"
    android:layout_toEndOf="@+id/textView20"
    android:layout_toRightOf="@+id/textView20"
    android:text="PRESS HERE!!!.." />
</RelativeLayout>

```

8.signup.java

```

package com.example.babyboss.androidpatient;

public class signup {
    int id;
    String name,password,address,email;

    public void setId(int id){
        this.id=id;
    }
    public int getId(){
        return this.id;
    }
    public void setName(String name){
        this.name=name;
    }
    public String getName(){
        return this.name;
    }
    public void setPassword(String password){
        this.password= password;
    }
    public String getPassword(){
        return this.password;
    }
    public void setAddress(String address){
        this.address=address;
    }
    public String getAddress(){
        return this.address;
    }
    public void setEmail(String email){
        this.email=email;
    }
    public String getEmail(){
        return this.email;
    }
}

```

xml file

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/sand">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="63dp"
        android:text="Enter Name:"
        android:textColor="#ffffff"
        android:textSize="15dp"
        android:layout_alignParentTop="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentStart="true" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="53dp"
        android:text="Password:"
        android:textColor="#ffffff"
        android:textSize="15dp"
        android:layout_below="@+id/textView2"
        android:layout_alignLeft="@+id/textView2"
        android:layout_alignStart="@+id/textView2"
        android:layout_marginLeft="26dp"
        android:layout_marginStart="26dp" />

    <EditText
        android:id="@+id/editText3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName"
        android:layout_alignBottom="@+id/textView2"
        android:layout_alignParentRight="true"
        android:layout_alignParentEnd="true"
        android:textColor="#ffffff"
        android:textSize="20dp" />

    <EditText
        android:id="@+id/editText4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName"
        android:textColor="#ffffff"
        android:textSize="20dp"
        android:layout_alignBaseline="@+id/textView3"
        android:layout_alignBottom="@+id/textView3"
        android:layout_alignParentRight="true"
        android:layout_alignParentEnd="true" />

    <TextView
        android:id="@+id/textView10"
        android:layout_width="wrap_content"
```

```

        android:layout_height="wrap_content"
        android:text="Address:"
        android:layout_centerVertical="true"
        android:layout_alignLeft="@+id/textView11"
        android:layout_alignStart="@+id/textView11"
        android:textColor="#ffffff"
        android:textSize="15dp" />

<EditText
    android:id="@+id/editText11"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:textColor="#ffffff"
    android:textSize="20dp"
    android:layout_centerVertical="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentEnd="true" />

<TextView
    android:id="@+id/textView11"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="65dp"
    android:text="Email ID:"
    android:textColor="#ffffff"
    android:textSize="15dp"
    android:layout_below="@+id/editText11"
    android:layout_alignLeft="@+id/textView3"
    android:layout_alignStart="@+id/textView3" />

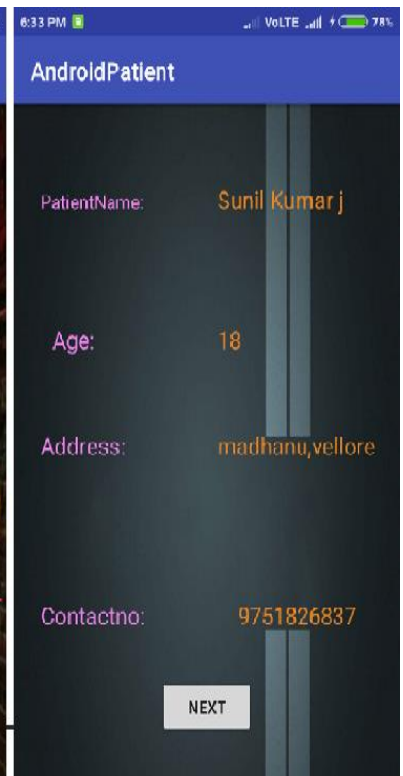
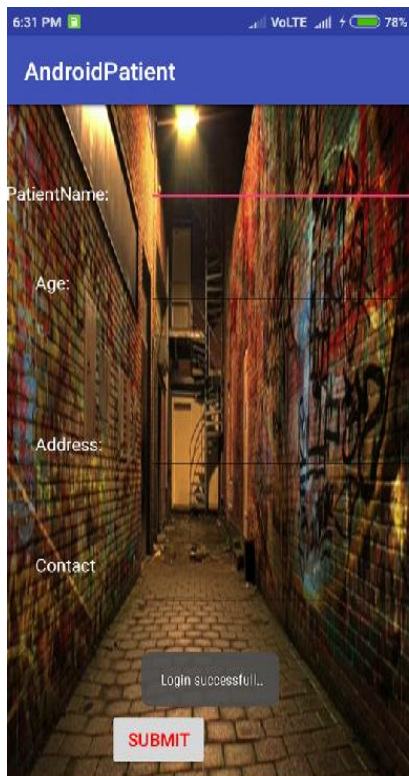
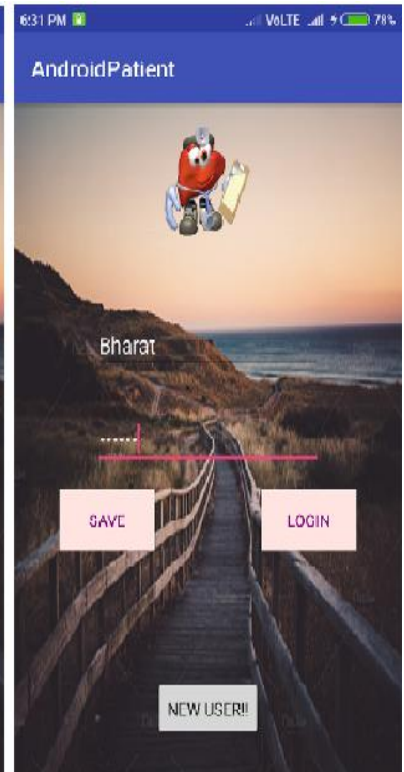
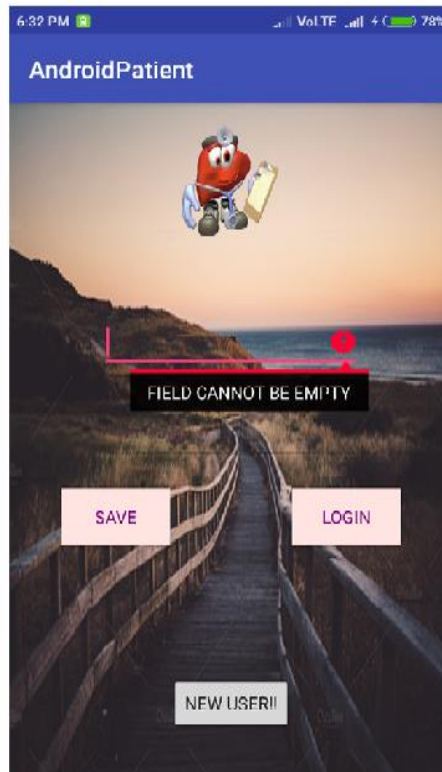
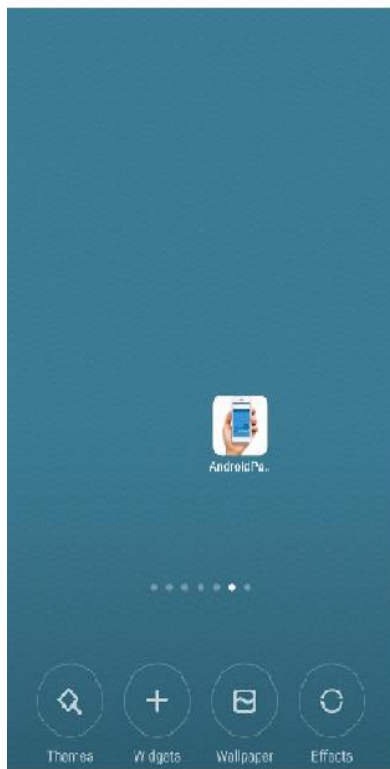
<Button
    android:id="@+id/button4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Sign up"
    android:onClick="login"
    android:layout_marginBottom="13dp"
    android:textColor="#f00"
    android:textSize="15dp"
    android:layout_alignParentBottom="true"
    android:layout_toRightOf="@+id/textView2"
    android:layout_toEndOf="@+id/textView2" />

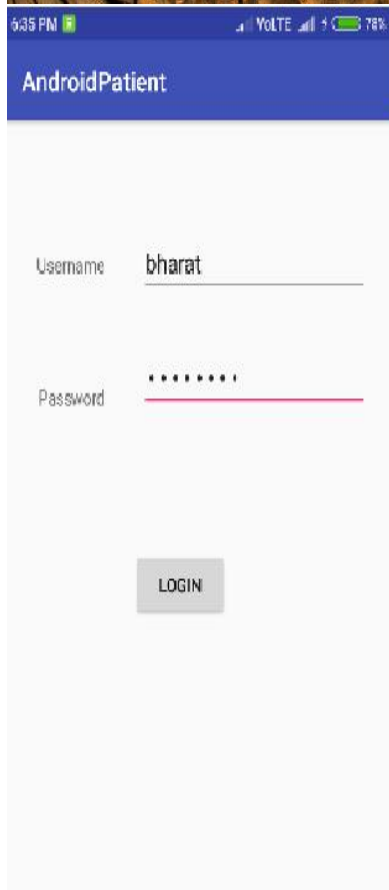
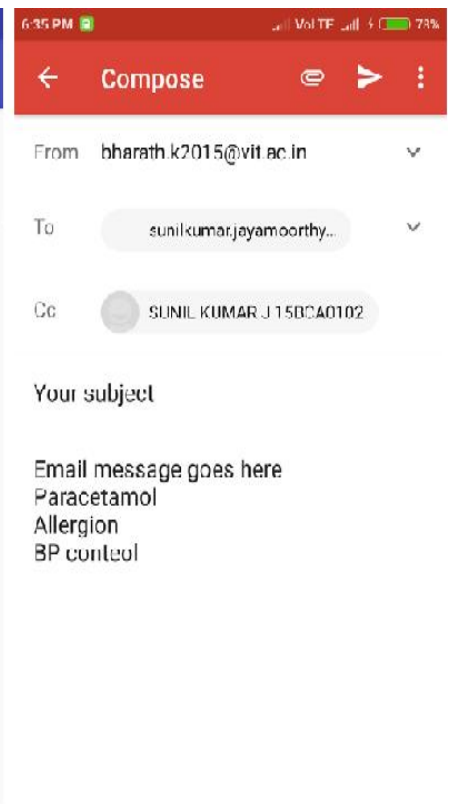
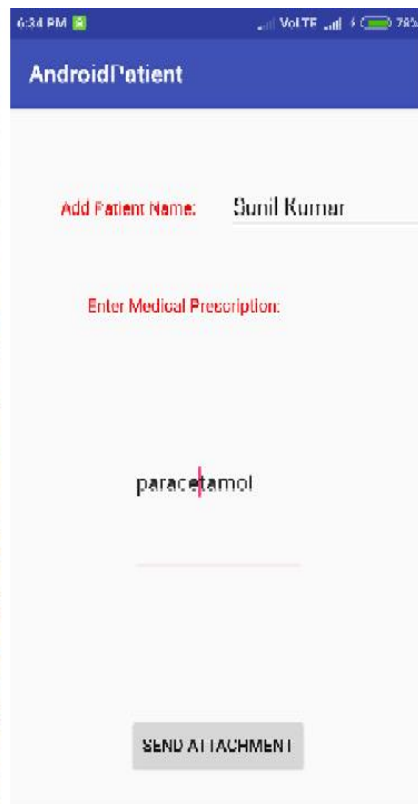
<EditText
    android:id="@+id/editText13"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:textColor="#ffffff"
    android:textSize="20dp"
    android:layout_alignTop="@+id/textView11"
    android:layout_alignParentRight="true"
    android:layout_alignParentEnd="true" />

</RelativeLayout>

```


SCREENSHOTS





CONCLUSION

Proposed system is based on user need and is user centered. The system will developed in considering all issues related to all user which are included in this system. Wide range of people can use this if they know how to operate android smart phone. Various issues related to hospital management will be solved by providing them a full-fledged system. Thus we are implementing Android Patient Tracker system to help and solve one of the problems of people.