

ANDROID BASED DOCTOR APPOINTMENT APP

1. ABOUT APP

The hospital client requires doctor appointment app for patients who requires treatment. The app needed to be one of the best app for the doctors to use and manage all the appointments. Write a business logic code to display doctor and patient details.

This app is used for booking appointment in the hospital. When app is opened a welcome message will be appeared. A Text View will be presented for selecting date the patient comes to hospital. Here Date Picker is used. Later the patient has to select the doctor for treatment. Here List View is used. Then the form will appear. Linear Layout and different views are used for creating the form. After clicking the button “BOOK APPOINTMENT”, it navigates to the next page showing booking successful.

2. APP FEATURES:

1. Date picker is used for selecting date.
2. List view is used for list of doctors.
3. Linear Layout is used for aligning the content.

3. APP MODULES:

activity_main.xml: This is the first layout of the app. The user has to click on the text to select the date he comes to hospital. After selecting the date the user It navigates to next activity.

activity_second.xml: In this activity users will be shown list of doctor names and their specializations, here they have to select the doctors. List View is use to list of doctors.

activity_third.xml: It is the layout of the patients appointment form. Later he has to click the button to submit the form.

4.CODE:

Activity main.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=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/welcome_to"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="50sp"
        android:textSize="20sp"/>

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="100sp"
        android:text="@string/svec_hospital"
        android:textColor="@color/colorAccent"
        android:textSize="45sp" />

    <TextView
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:hint="@string/select_date_and_doctor"
        android:onClick="setDate"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:textAppearance="?android:attr/textAppearanceMedium" />

</RelativeLayout>
```

MainActivity.java:

```
package com.example.sravan.myapplication;
```

```
import android.app.DatePickerDialog;
import android.app.Dialog;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.DatePicker;
import android.widget.TextView;
import android.widget.Toast;
```

```
import java.util.Calendar;
```

```
public class MainActivity extends AppCompatActivity {
    private DatePicker datePicker;
    private Calendar calendar;
    private TextView dateView;
    private TextView timeView;
    private int year, month, day;
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    dateView = (TextView) findViewById(R.id.button1);
    calendar = Calendar.getInstance();
    year = calendar.get(Calendar.YEAR);
```

```
}
```

```
@SuppressWarnings("deprecation")
```

```
public void setDate(View view) {
    showDialog(999);
    Toast.makeText(getApplicationContext(), "ca",
        Toast.LENGTH_SHORT)
        .show();
}
```

```
@Override
```

```
protected Dialog onCreateDialog(int id) {
    // TODO Auto-generated method stub
    if (id == 999) {
        return new DatePickerDialog(this,
            myDateListener, year, month, day);
    }
    return null;
}
```

```

private DatePickerDialog.OnDateSetListener myDateListener = new
    DatePickerDialog.OnDateSetListener() {
        @Override
        public void onDateSet(DatePicker arg0,
            int arg1, int arg2, int arg3) {
            // TODO Auto-generated method stub
            // arg1 = year
            // arg2 = month
            // arg3 = day
            showDate(arg1, arg2+1, arg3);
        }
    };

private void showDate(int year, int month, int day) {
    dateView.setText(new StringBuilder().append(day).append("/")
        .append(month).append("/").append(year));
    Intent intent = new Intent(MainActivity.this, SecondActivity.class);
    startActivity(intent);
}

```

activity_second.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<ListView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:id="@+id/list">

</ListView>

```

SecondActivity.java:

```

package com.example.sravan.myapplication;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterViewAdapter;
import android.widget.ListView;

import java.util.ArrayList;

```

```
public class SecondActivity extends AppCompatActivity {
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_second);
```

```
        ListView lst = (ListView)findViewById(R.id.list);
```

```
        final ArrayList data = new ArrayList();
```

```
        data.add("Y.Harika(ENT)");
```

```
        data.add("S.Amar(Family Physician)");
```

```
        data.add("V.Susmitha(Dermatalagist)");
```

```
        data.add("V.Manasa(Dentist)");
```

```
        data.add("Y.Harish(Psychiatric)");
```

```
        data.add("P.Gopi(Cadiologist)");
```

```
        data.add("P.Naveen(Neurologist)");
```

```
        data.add("M.Ravi(Anesthesiologist)");
```

```
        data.add("M.Mahesh(Neurosurgeon)");
```

```
        data.add("J.David(Family Physician)");
```

```
        data.add("U.Vijay(Family Physician)");
```

```
        data.add("E.Sailaja(Dentist)");
```

```
        data.add("P.Supraja(ENT)");
```

```
        data.add("N.Neeraja(Dentist)");
```

```
        ArrayAdapter adapter = new ArrayAdapter(this, R.layout.activity_list_item, data);
```

```
        lst.setAdapter(adapter);
```

```
        lst.setOnItemClickListener(new AdapterView.OnItemClickListener() {
```

```
            @Override
```

```
            public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {
```

```
                Intent intent = new Intent(SecondActivity.this, ThirdActivity.class);
```

```
                String name = data.get(i).toString();
```

```
                intent.putExtra("name",name);
```

```
                startActivity(intent);
```

```
            }
```

```
        });
```

```
    }
```

```
}
```

activity_list_item:

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<TextView
```

```
    xmlns:android="http://schemas.android.com/apk/res/android"
```

```
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="50sp"
android:textSize="25sp"
android:id="@+id/list_item"
android:gravity="center"
android:textColor="#f4653a"
android:textStyle="italic">
</TextView>
```

Activity_third.xml:

```
<?xml version="1.0" encoding="utf-8"?>

<LinearLayout 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=".ThirdActivity"
    android:orientation="vertical">

    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="match_parent">
    <LinearLayout android:orientation="vertical"
        android:layout_height="fill_parent"
        android:layout_width="fill_parent">
        <LinearLayout android:orientation="horizontal"
            android:layout_height="fill_parent"
            android:layout_width="fill_parent">
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:textSize="20sp"
            android:text="Doctor Name"
            android:paddingTop="10dp"
            android:id="@+id/dname"
            android:textStyle="italic"/>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/name"
            android:textSize="25sp"
            android:layout_marginLeft="5sp"
            android:paddingTop="5dp"
            android:textStyle="italic"/>
```

```
</LinearLayout>
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="20sp"
    android:text="Enter Name of the Patient"
    android:paddingTop="10dp"
    android:id="@+id/pname"
    android:textStyle="italic"/>

<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/paname1"
    android:textSize="30sp"
    android:layout_gravity="center_horizontal"
    android:gravity="center_horizontal"/>

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="20sp"
    android:text="Enter Age"
    android:paddingTop="10dp"
    android:id="@+id/eage"
    android:textStyle="italic"/>

<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/age"
    android:textSize="30sp"
    android:layout_gravity="center_horizontal"
    android:gravity="center_horizontal"/>

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="20sp"
    android:text="Phone Number"
    android:paddingTop="10dp"
    android:id="@+id/epn"
    android:textStyle="italic"/>
```

```

<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/pn"
    android:textSize="30sp"
    android:layout_gravity="center_horizontal"
    android:gravity="center_horizontal"/>

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="20sp"
    android:text="Gender"
    android:paddingTop="10dp"
    android:id="@+id/eg"
    android:textStyle="italic"/>

<RadioGroup
    android:layout_width="match_parent"
    android:layout_height="match_parent">
    <LinearLayout android:orientation="horizontal"
        android:layout_height="fill_parent"
        android:layout_width="wrap_content">
        <RadioButton
            android:id="@+id/radioButton1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Male" />

        <RadioButton
            android:id="@+id/radioButton"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Female" />
    </LinearLayout>
</RadioGroup>

<Button
    android:id="@+id/send"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center_horizontal"
    android:layout_marginTop="50dp"

```



```
android:background="@color/colorAccent"
android:gravity="center_horizontal"
android:text="BOOK APPOINTMENT"
android:textAllCaps="false"
android:textColor="#334455"
android:textSize="30sp"
android:textStyle="bold|italic" />
```

```
</LinearLayout>
</ScrollView>
</LinearLayout>
```

ThirdActivity.java:

```
package com.example.sravan.myapplication;
```

```
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;
```

```
public class ThirdActivity extends AppCompatActivity {
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_third);
```

```
        String name = getIntent().getStringExtra("name");
```

```
        TextView name_view = (TextView)findViewById(R.id.name);
        name_view.setText(name);
```

```
        Button button = (Button)findViewById(R.id.send);
        button.setOnClickListener(new View.OnClickListener() {
```

```
            @Override
```

```
            public void onClick(View view) {
                Intent intent = new Intent(ThirdActivity.this, ResultActivity.class);
                startActivity(intent);
```

```
            }
```

```
        });
```

```
    }
```

```
}
```

activity result:

```
<?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=".ResultActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:text="Booking Successfull"
        android:textSize="40sp"
    />

</RelativeLayout>
```

ResultActivity.java:

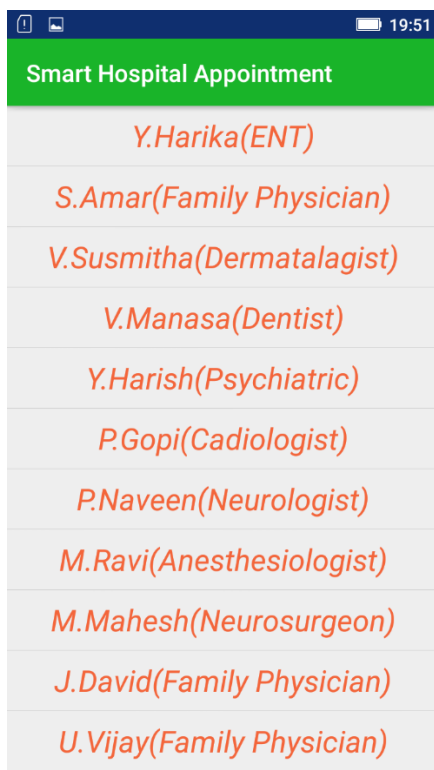
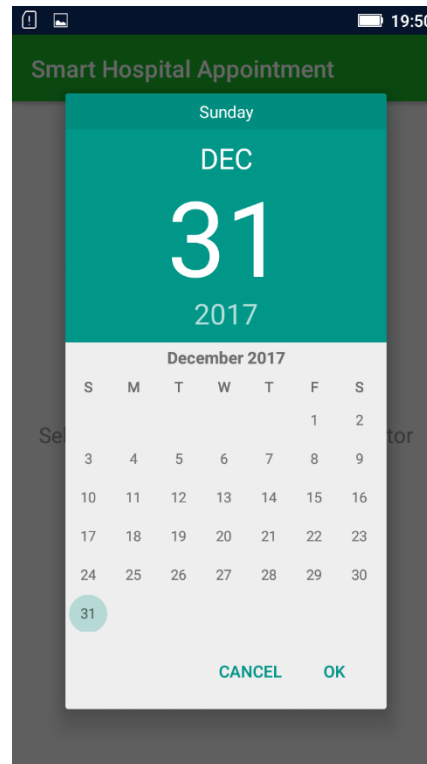
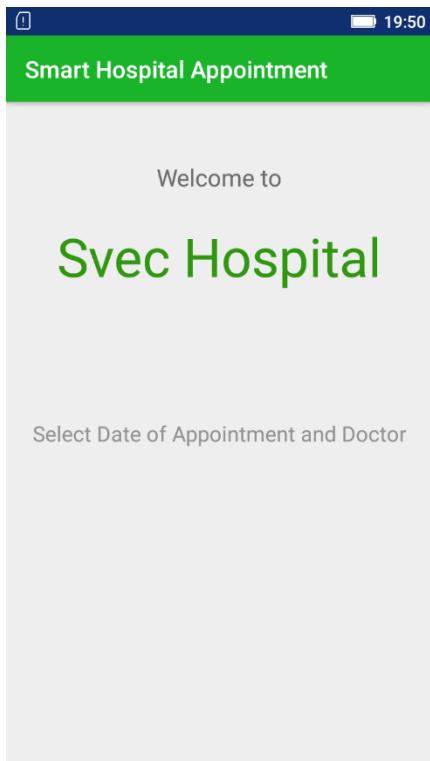
```
package com.example.sravan.myapplication;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;

public class ResultActivity extends AppCompatActivity {

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

5.SCREEN SHOTS:



19:51

Smart Hospital Appointment

Doctor Name Y.Harika(ENT)

Enter Name of the Patient

Enter Age

Phone Number

Gender

☐ Male ☐ Female

BOOK APPOINTMENT

19:51

Smart Hospital Appointment

Booking Successfull