



## **Object Oriented Programming in Java** **Project**

**Topic :- Education Institution**  
**Registration**

**Subject Code :- CS594D**

**Group No :- 2**

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# Components and Module Description.

The following components are used in the projects :-

**1. Activity :-** Activities are one of the fundamental building blocks of apps on the Android platform. They serve as the entry point for a user's interaction with an app, and are also central to how a user navigates within an app (as with the Back button) or between apps (as with the Recents button). Skillfully managing activities allows you to ensure that, for example:

- Orientation changes take place smoothly without disrupting the user experience.
- User data is not lost during activity transitions.
- The system kills processes when it's appropriate to do so.

**2. TextView :-** A user interface element that displays text to the user. It is a subclass of the View class which is itself a subclass of the Object class. Every class in Java is a subclass of the Object class of the java.lang package if it does not extend any other class. Class Hierarchy for the TextView Class is :-

[java.lang.Object](#)

↳ [android.view.View](#)

↳ android.widget.TextView

**3. Button :-** A user interface element the user can tap or click to perform an action. Button is a subclass of the TextView Class. It is also the indirect subclass of the Object class.

[java.lang.Object](#)

↳ [android.view.View](#)

↳ [android.widget.TextView](#)

↳ android.widget.Button

**4. EditText :-** A user interface element for entering and modifying text. Class hierarchy for EditText class :-

[java.lang.Object](#)

- ↳ [android.view.View](#)
  - ↳ [android.widget.TextView](#)
    - ↳ android.widget.EditText

**5. Spinner:** A view that displays one child at a time and lets the user pick among them. The items in the Spinner come from the [Adapter](#) associated with this view. Class hierarchy for Spinner Class :-

[java.lang.Object](#)

- ↳ [android.view.View](#)
  - ↳ [android.view.ViewGroup](#)
    - ↳ [android.widget.AdapterView](#)<[android.widget.SpinnerAdapter](#)>
      - ↳ [android.widget.AbsSpinner](#)
        - ↳ android.widget.Spinner

**6. ImageView :-** Displays image resources, for example [Bitmap](#) or [Drawable](#) resources. [ImageView](#) is also commonly used to [apply](#) ints to an image and handle image scaling. [ImageView](#) is a subclass of the [View](#) class. Class hierarchy of the [ImageView](#) Class :-

[java.lang.Object](#)

- ↳ [android.view.View](#)
  - ↳ android.widget.ImageView

- 7. Switch** :- A Switch is a two-state toggle switch widget that can select between two options. The user may drag the "thumb" back and forth to choose the selected option, or simply tap to toggle as if it were a checkbox. The [text](#) property controls the text displayed in the label for the switch, whereas the [off](#) and [on](#) text controls the text on the thumb. The class hierarchy for the Switch class is :-

[java.lang.Object](#)

```
↳ android.view.View
    ↳ android.widget.TextView
        ↳ android.widget.Button
            ↳ android.widget.CompoundButton
                ↳ android.widget.Switch
```

- 8. CardView** :- A FrameLayout with a rounded corner background and shadow. CardView uses [elevation](#) property on Lollipop for shadows and falls back to a custom emulated shadow implementation on older platforms. Class Hierarchy for the cardview widget class :-

[java.lang.Object](#)

```
↳ android.view.View
    ↳ android.view.ViewGroup
        ↳ android.widget.FrameLayout
            ↳ androidx.cardview.widget.CardView
```

- 9. ScrollView** :- A view group that allows the view hierarchy placed within it to be scrolled. Scroll view may have only one direct child placed within it. To add multiple views within the scroll view, make the direct child you add a view group, for example [LinearLayout](#), and place additional views within that LinearLayout. Scroll view supports vertical scrolling only. For horizontal scrolling, use [HorizontalScrollView](#) instead. Class Hierarchy for ScrollView is :-

[java.lang.Object](#)

```
↳ android.view.View
    ↳ android.view.ViewGroup
        ↳ android.widget.FrameLayout
            ↳ android.widget.ScrollView
```

**Module 1 :-** SplashScreen.java and splash\_screen.xml are the modules which serve as the introduction screen to the Application. A ImageView with a dummy image is placed to serve as the logo of the app. Android animations are used to implement a fading in effect to the ImageView. The activity itself is a timed activity which automatically changes to the next activity after 3500ms.

**Module 2 :-** HomeScreen.java and home\_screen.xml are the modules that have an imageView and two buttons. The two buttons serve as two different paths for the user. The register button are for the users who want to register themselves to the institute. The show status button is for users who have already registered. They can check whether their registration has been approved by providing their generated id through the show status button.

**Module 3 :-**The user has pressed the Register button and has come to the personal\_info.xml page. In this activity a database connection is opened. Personal details about the students like name, address, gender, email-id, etc are collected and added to the Firebase Database through a HashMap. The timestamp of the device is fetched and used as the students registration number under which all these details are stored in the database.

**Module 4 :-** Academic Details of the student is collected through input fields and added to the same child through a objectMap. The registration id generated in the previous activity is carried along to the next activity during the Activity transition. The same child is updated every time.

**Module 5:** Whether the student will avail the institute bus service , is collected through bus\_service.java and bus\_service.xml . A switch is used which behave like a toggle button . if the switch is checked then the response is positive, else negative.

**Module 6:** The registration process is complete and the registration id is generated and displayed to the user. Each registration id is unique. The user can copy the registration id and go to the home screen to check his status.

**Module 7 :** The user is back to the home screen. The user has pressed the Show Status button and he/she is directed to the search page. In the search page the user can type in the id and press the Search button to see his registration details and check whether his registration is accepted or not.

**Module 8 :-** The results page is a combination of a ScrollView and 11 Cardviews. Since the details of each user in the database are pre-determined a RecyclerView is not favoured here. Each cardview displays each field that the user has input during the registration process. A ScrollView is used to scroll through the details because all the details will not be visible in the screen at the same time. A home button is also used to redirect the user to the home screen for further registrations.

# Database Schema.

Firebase is used as the Database to develop this Android Application.

## How data is structured: it's a JSON tree

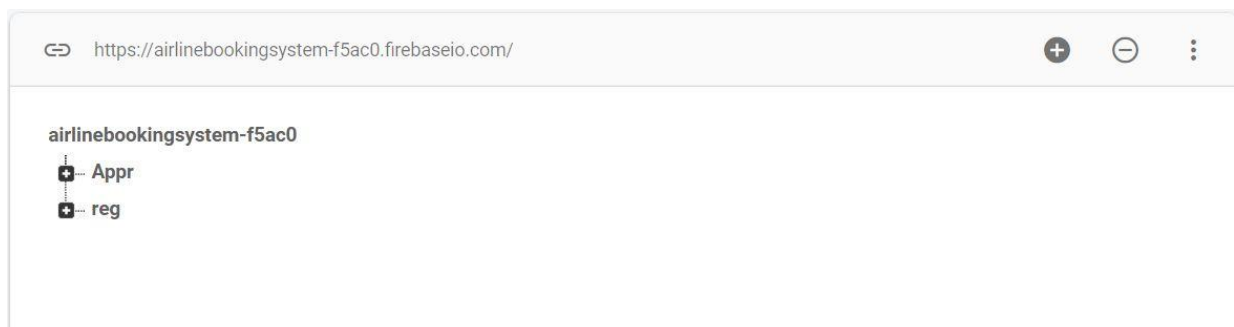
All Firebase Realtime Database data is stored as JSON objects. You can think of the database as a cloud-hosted JSON tree. Unlike a SQL database, there are no tables or records. When you add data to the JSON tree, it becomes a node in the existing JSON structure with an associated key. You can provide your own keys, such as user IDs or semantic names.

For example, consider a chat application that allows users to store a basic profile and contact list. A typical user profile is located at a path, such as `/users/$uid`. The user `alovelace` might have a database entry that looks something like this:

```
{
  "users": {
    "alovelace": {
      "name": "Ada Lovelace",
      "contacts": { "ghopper": true },
    },
    "ghopper": { ... },
    "eclarke": { ... }
  }
}
```

## Our Database design :-

### Root Child Views :-



## Registrations Child Expanded View :-

airlinebookingsystem-f5ac0

+ Appr

- reg

+ 1572410734855

+ 1572411100123

+ 1572447731514

+ 1572505140640

- 1572507167643

address: "Baksara

dept: "CSE"

dob: "31.07.1999

email: "debjit16.dc@gmail.co" ×

gender: "Male"

jeeRank: "123456

name: "Debjit Chattopadhyay

percentage\_10th: "92"

percentage\_12th: "85"

phone: "9064403885

services: "Availed for Bus Services.

## Approved Child Expanded View :-

airlinebookingsystem-f5ac0

- Appr

1572411100123: "Apprived

1572447001418: "Yes"

1572447731514: "Approved

1572507167643: "Approved

Appr1: "Dummy" ×

+ reg



# Code.

## 1. Splash Screen(XML and Java)

### 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=".SplashScreen"
    android:background="#1C6679"
    android:padding="16dp">

    <ImageView
        android:layout_height="match_parent"
        android:layout_width="match_parent"
        android:id="@+id/splash_img"
        android:src="@drawable/splash"
        android:padding="20dp"
        android:alpha="0"
        android:layout_centerInParent="true"
        android:scaleType="centerInside"/>

</RelativeLayout>
```

### Java:-

```
package com.example.airlinebookingsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.Handler;
import android.widget.ImageView;

public class SplashScreen extends AppCompatActivity {

    private static int SPLASH_TIMEOUT = 3500;
    private ImageView splimg;

    @Override
```

```

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

    splimg = (ImageView) findViewById(R.id.splash_img);

    new Handler().postDelayed(new Runnable() {
        @Override
        public void run() {

            startActivity(new Intent(SplashScreen.this, HomeScreen.class));
            finish();
        }
    }, SPLASH_TIMEOUT);
    splimg.animate().alpha(1f).setDuration(3000);
}
}

```

## HomeScreen :-

### 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=".HomeScreen"
    android:padding="20dp"
    android:orientation="vertical"
    android:background="#83C1D1">

    <ImageView
        android:id="@+id/home_logo"
        android:src="@drawable/splash"
        android:layout_height="200dp"
        android:layout_width="200dp"
        android:layout_margin="30dp"
        android:layout_centerHorizontal="true"/>

    <LinearLayout
        android:layout_centerInParent="true"
        android:layout_height="wrap_content"
        android:layout_below="@+id/home_logo"

```

```

        android:layout_width="wrap_content"
        android:padding="10dp"
        android:layout_marginTop="35dp"
        android:id="@+id/buttonframe"
        android:orientation="vertical">

        <Button
            android:id="@+id/registerBtn"
            android:layout_height="wrap_content"
            android:layout_width="250dp"
            android:text="Register"
            android:layout_margin="32dp"
            android:textSize="30sp"
            android:textStyle="italic"
            android:background="@drawable/btn_back"/>

        <Button
            android:id="@+id/showRegStatus"
            android:layout_height="wrap_content"
            android:layout_width="250dp"
            android:text="Show Status"
            android:textSize="30sp"
            android:layout_margin="32sp"
            android:textStyle="italic"
            android:background="@drawable/btn_back"/>

    </LinearLayout>

</RelativeLayout>

```

## **Java :-**

```

package com.example.airlinebookingsystem;

import android.content.Context;
import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class HomeScreen extends AppCompatActivity {

    private Button register;

```

```
private Button showStatus;
```

```
@Override
```

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

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

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

```
    register = (Button) findViewById(R.id.registerBtn);
```

```
    showStatus = (Button) findViewById(R.id.showRegStatus);
```

```
    register.setOnClickListener(new View.OnClickListener() {
```

```
        @Override
```

```
        public void onClick(View v) {
```

```
            startActivity(new Intent(HomeScreen.this, personal_info.class));
```

```
        }
```

```
    });
```

```
    showStatus.setOnClickListener(new View.OnClickListener() {
```

```
        @Override
```

```
        public void onClick(View v) {
```

```
            //Toast.makeText(HomeScreen.this, "Update Coming Soon!!",
```

```
            Toast.LENGTH_SHORT).show();
```

```
            startActivity(new Intent(HomeScreen.this, search.class));
```

```
        }
```

```
    });
```

```
}
```

```
@Override
```

```
public boolean onCreateOptionsMenu(Menu menu) {
```

```
    getMenuInflater().inflate(R.menu.mymenu, menu);
```

```
    return true;
```

```
}
```

```
}
```

## Personal Details :-

### 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=".personal_info"
android:padding="16dp"
android:background="#ffffff"
android:orientation="vertical"
android:layout_gravity="left">
```

<TextView

```
    android:id="@+id/activity_head"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="PERSONAL INFO"
    android:background="@drawable/input_fields_back"
    android:gravity="center_horizontal"
    android:textSize="40sp"
    android:textStyle="bold|italic"/>
```

<LinearLayout

```
    android:layout_below="@+id/activity_head"
    android:layout_height="wrap_content"
    android:layout_width="wrap_content"
    android:orientation="vertical"
    android:gravity="center_horizontal"
    android:weightSum="100">
```

*<!--name of the student-->*

<LinearLayout

```
    android:id="@+id/name_layout"
    android:layout_margin="15dp"
    android:layout_height="wrap_content"
    android:layout_width="wrap_content"
    android:orientation="horizontal">
```

<TextView

```
    android:id="@+id/heading1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Student's \n Name :- "
    android:textAlignment="center"
    android:layout_margin="5dp"
    android:textSize="23sp"
    android:textStyle="bold"
    android:textColor="#000000" />
```

```
<EditText
    android:id="@+id/nameEd"
    android:layout_width="250dp"
    android:layout_height="50dp"
    android:layout_margin="5dp"
    android:layout_toRightOf="@+id/heading1"
    android:background="@drawable/input_fields_back"
    android:gravity="center"
    android:hint="Name" />
</LinearLayout>
```

*<!--Address-->*

```
<LinearLayout
    android:id="@+id/address_layout"
    android:layout_below="@+id/name_layout"
    android:layout_margin="15dp"
    android:layout_height="wrap_content"
    android:layout_width="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
    android:id="@+id/heading2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Address:- "
    android:textAlignment="center"
    android:layout_margin="5dp"
    android:textSize="23sp"
    android:textStyle="bold"
    android:textColor="#000000" />
```

```
<EditText
    android:id="@+id/addressEd"
    android:inputType="textPostalAddress"
    android:layout_height="50dp"
    android:layout_width="250dp"
    android:background="@drawable/input_fields_back"
    android:layout_margin="5dp"
    android:layout_toRightOf="@+id/heading2"
    android:gravity="center"
    android:hint="Address"/>
</LinearLayout>
```

*<!--Phone Number-->*

```

<LinearLayout
    android:id="@+id/phone_layout"
    android:layout_below="@+id/address_layout"
    android:layout_margin="15dp"
    android:layout_height="wrap_content"
    android:layout_width="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/heading3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Phone \n Number:- "
        android:textAlignment="center"
        android:layout_margin="5dp"
        android:textSize="23sp"
        android:textStyle="bold"
        android:textColor="#000000" />

    <EditText
        android:id="@+id/phoneEd"
        android:inputType="number"
        android:layout_height="50dp"
        android:background="@drawable/input_fields_back"
        android:layout_width="250dp"
        android:layout_margin="5dp"
        android:layout_toRightOf="@+id/heading3"
        android:hint="Phone Number"
        android:gravity="center"/>
</LinearLayout>

```

<!--Gender-->

```

<LinearLayout
    android:id="@+id/gender_layout"
    android:layout_below="@+id/phone_layout"
    android:layout_margin="15dp"
    android:layout_height="wrap_content"
    android:layout_width="match_parent"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/heading4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Gender :- "
        android:layout_margin="2dp"

```

```
        android:textSize="23sp"
        android:textStyle="bold"
        android:textColor="#000000" />
```

```
<Spinner
    android:id="@+id/genderEd"
    android:layout_width="100dp"
    android:layout_height="50dp"
    android:layout_marginLeft="80dp"
    android:layout_toRightOf="@+id/heading4"
    android:gravity="center" />
</LinearLayout>
```

```
<!--Email-->
```

```
<LinearLayout
    android:id="@+id/email_layout"
    android:layout_below="@+id/gender_layout"
    android:layout_margin="15dp"
    android:layout_height="wrap_content"
    android:layout_width="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
    android:id="@+id/heading5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Email Id:- "
    android:textAlignment="center"
    android:layout_margin="5dp"
    android:textSize="23sp"
    android:textStyle="bold"
    android:textColor="#000000" />
```

```
<EditText
    android:id="@+id/emailEd"
    android:inputType="textEmailAddress"
    android:layout_height="50dp"
    android:layout_width="250dp"
    android:background="@drawable/input_fields_back"
    android:layout_margin="5dp"
    android:gravity="center"
    android:layout_toRightOf="@+id/heading5"
    android:hint="Email Id...." />
</LinearLayout>
```



<!--DOB-->

<LinearLayout

```
    android:id="@+id/dob_layout"
    android:layout_width="wrap_content"
    android:layout_height="90dp"
    android:layout_below="@+id/email_layout"
    android:layout_margin="5dp"
    android:layout_marginStart="15dp"
    android:layout_marginTop="15dp"
    android:layout_marginEnd="15dp"
    android:layout_marginBottom="15dp"
    android:orientation="horizontal">
```

<TextView

```
    android:id="@+id/heading6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_margin="3dp"
    android:text="Date\n of \nbirth :- "
    android:textAlignment="center"
    android:textColor="#000000"
    android:textSize="23sp"
    android:textStyle="bold" />
```

<EditText

```
    android:id="@+id/dobEd"
    android:layout_width="250dp"
    android:layout_height="50dp"
    android:layout_margin="5dp"
    android:layout_toRightOf="@+id/heading6"
    android:background="@drawable/input_fields_back"
    android:gravity="center"
    android:hint="DOB"
    android:inputType="date" />
```

</LinearLayout>

<Button

```
    android:id="@+id/submitBtn"
    android:layout_width="250dp"
    android:layout_height="wrap_content"
    android:layout_below="@+id/dob_layout"
    android:layout_centerInParent="true"
    android:layout_margin="20dp"
    android:background="@drawable/btn_back"
    android:text="NEXT"
```

```
        android:textAlignment="center"
        android:textSize="30sp"
        android:textStyle="bold" />

    </LinearLayout>

</RelativeLayout>
```

## **JAVA :-**

```
package com.example.airlinebookingsystem;

import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Spinner;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

import java.util.HashMap;

public class personal_info extends AppCompatActivity {

    private DatabaseReference mDatabase;
    private EditText mName;
    private EditText mAddress;
    private EditText mPhone;
    private Spinner mGender;
    private EditText mEmail;
    private EditText mDob;
    private Button submit;

    private String reg_id;
    private String gender;
```

```

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

    mdatabase = FirebaseDatabase.getInstance().getReference().child("reg");

    mName = (EditText) findViewById(R.id.nameEd);
    mAddress = (EditText) findViewById(R.id.addressEd);
    mPhone = (EditText) findViewById(R.id.phoneEd);
    mGender = (Spinner) findViewById(R.id.genderEd);
    mEmail = (EditText) findViewById(R.id.emailEd);
    mDob = (EditText) findViewById(R.id.dobEd);
    submit = (Button) findViewById(R.id.submitBtn);

    ArrayAdapter<CharSequence> adapter = ArrayAdapter.createFromResource(this,
R.array.gender, android.R.layout.simple_spinner_item);

    adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
    mGender.setAdapter(adapter);

    mGender.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {
        @Override
        public void onItemSelected(AdapterView<?> parent, View view, int position, long id)
        {
            gender = parent.getItemAtPosition(position).toString();
        }

        @Override
        public void onNothingSelected(AdapterView<?> parent) {

        }
    });

    submit.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            add_pers_data();
        }
    });
}

public void add_pers_data() {

```

```

try{
    String name = mName.getText().toString().trim();
    String email = mEmail.getText().toString().trim();
    String phone = mPhone.getText().toString().trim();
    String address = mAddress.getText().toString().trim();
    String dob = mDob.getText().toString().trim();

    if (TextUtils.isEmpty(name) || TextUtils.isEmpty(email) || TextUtils.isEmpty(phone)
    || TextUtils.isEmpty(address) || TextUtils.isEmpty(dob)) {
        Toast.makeText(this, "Fields cannot be empty!!!", Toast.LENGTH_SHORT).show();
    } else {
        HashMap<String, String> newMap = new HashMap<String, String>();
        newMap.put("name", name);
        newMap.put("email", email);
        newMap.put("phone", phone);
        newMap.put("gender", gender);
        newMap.put("address", address);
        newMap.put("dob", dob);

        reg_id = String.valueOf(System.currentTimeMillis());

        mdatabase.child(reg_id).setValue(newMap).addOnCompleteListener(new
        OnCompleteListener<Void>() {
            @Override
            public void onComplete(@NonNull Task<Void> task) {
                if (task.isSuccessful()) {
                    Intent intent = new Intent(personal_info.this, academic_details.class);
                    intent.putExtra("register", reg_id);
                    startActivity(intent);

                }
            }
        });
    }
} catch (Exception e){
    Toast.makeText(this, "Exception Occured" + e, Toast.LENGTH_SHORT).show();
}
finally {
    mName.setText("");
    mEmail.setText("");
    mPhone.setText("");
    mAddress.setText("");
    mDob.setText("");
}
}
}

```

## Academic Details :-

### 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=".academic_details"
    android:padding="16dp">
```

```
<TextView
    android:id="@+id/heading_aca"
    android:layout_height="wrap_content"
    android:layout_width="match_parent"
    android:text="Academic Details"
    android:textStyle="bold"
    android:layout_marginTop="30dp"
    android:layout_marginBottom="50dp"
    android:textAlignment="center"
    android:textColor="#000000"
    android:textSize="30sp"/>
```

*<!--Class 10 Percentage-->*

```
<LinearLayout
    android:id="@+id/class10"
    android:layout_below="@+id/heading_aca"
    android:layout_margin="15dp"
    android:layout_height="wrap_content"
    android:layout_width="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
    android:id="@+id/class10_head"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="\t\tClass X \n Percentage :- "
    android:layout_margin="5dp"
    android:textSize="23sp"
    android:textStyle="bold"
    android:textColor="#000000" />
```

```

<EditText
    android:id="@+id/class10_ed"
    android:inputType="number"
    android:layout_height="50dp"
    android:layout_width="250dp"
    android:layout_margin="5dp"
    android:layout_toRightOf="@+id/class10_head"
    android:hint="Xth Percentage"/>
</LinearLayout>

```

*<!--Class 12 Percentage-->*

```

<LinearLayout
    android:id="@+id/class12"
    android:layout_below="@+id/class10"
    android:layout_margin="15dp"
    android:layout_height="wrap_content"
    android:layout_width="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/class12_head"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="\t\tClass 12 \n Percentage- "
        android:layout_margin="5dp"
        android:textSize="23sp"
        android:textStyle="bold"
        android:textColor="#000000" />

```

```

    <EditText
        android:id="@+id/class12_ed"
        android:inputType="number"
        android:layout_height="50dp"
        android:layout_width="250dp"
        android:layout_margin="5dp"
        android:layout_toRightOf="@+id/class12_head"
        android:hint="XII th Percentage"/>
</LinearLayout>

```

*<!--JEE RAnk-->*

```

<LinearLayout
    android:id="@+id/jee"
    android:layout_below="@+id/class12"
    android:layout_margin="15dp"
    android:layout_height="wrap_content"

```

```
android:layout_width="wrap_content"
android:orientation="horizontal">
```

```
<TextView
    android:id="@+id/jee_head"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="JEE Rank :- "
    android:layout_margin="5dp"
    android:textSize="23sp"
    android:textStyle="bold"
    android:textColor="#000000" />
```

```
<EditText
    android:id="@+id/jee_ed"
    android:inputType="number"
    android:layout_height="50dp"
    android:layout_width="250dp"
    android:layout_margin="5dp"
    android:layout_toRightOf="@+id/jee_head"
    android:hint="Jee Rank"/>
```

```
</LinearLayout>
```

```
<LinearLayout
    android:id="@+id/dept"
    android:layout_below="@+id/jee"
    android:layout_margin="15dp"
    android:layout_height="wrap_content"
    android:layout_width="wrap_content"
    android:orientation="horizontal">
```

```
<TextView
    android:id="@+id/dept_head"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Department of \n Choice :- "
    android:layout_margin="5dp"
    android:textSize="23sp"
    android:gravity="center"
    android:textStyle="bold"
    android:textColor="#000000" />
```

```
<EditText
```

```

        android:id="@+id/dept_ed"
        android:inputType="text"
        android:layout_height="50dp"
        android:layout_width="200dp"
        android:layout_margin="5dp"
        android:layout_toRightOf="@+id/jee_head"
        android:hint="Department"/>

</LinearLayout>

<Button
    android:id="@+id/nextBtn"
    android:layout_width="250dp"
    android:layout_height="wrap_content"
    android:layout_below="@+id/dept"
    android:layout_marginTop="45dp"
    android:layout_centerHorizontal="true"
    android:background="@drawable/btn_back"
    android:text="Next"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />

</RelativeLayout>

```

## **Java:-**

```

package com.example.airlinebookingsystem;

import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.annotation.StringRes;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;

```



```

import com.google.firebase.database.ChildEventListener;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DatabaseError;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

import java.util.HashMap;
import java.util.Map;

public class academic_details extends AppCompatActivity {

    private EditText class10;
    private EditText class12;
    private EditText dept;
    private EditText jee;
    private Button next;

    private String reg_id;

    private DatabaseReference mdatabase;

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

        class10 = (EditText) findViewById(R.id.class10_ed);
        class12 = (EditText) findViewById(R.id.class12_ed);
        dept = (EditText) findViewById(R.id.dept_ed);
        jee = (EditText) findViewById(R.id.jee_ed);

        next = (Button) findViewById(R.id.nextBtn);

        reg_id = getIntent().getStringExtra("register");
        mdatabase = FirebaseDatabase.getInstance().getReference("reg").child(reg_id);

        next.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                add_academic_data();
            }
        });
    }

    public void add_academic_data(){

```

```

String mclass10 = class10.getText().toString().trim();
String mclass12 = class12.getText().toString().trim();
String mjee = jee.getText().toString().trim();
String mdept = dept.getText().toString().trim();

if(TextUtils.isEmpty(mclass10) || TextUtils.isEmpty(mclass12) ||
TextUtils.isEmpty(mjee) || TextUtils.isEmpty(mdept)){

    Toast.makeText(this, "Fields Cannot be Empty", Toast.LENGTH_SHORT).show();
}
else{
    Map<String, Object> objectMap = new HashMap<>();
    objectMap.put("percentage_10th", mclass10);
    objectMap.put("percentage_12th", mclass12);
    objectMap.put("jeeRank", mjee);
    objectMap.put("dept", mdept);

    mdatabase.updateChildren(objectMap).addOnCompleteListener(new
    OnCompleteListener<Void>() {
        @Override
        public void onComplete(@NonNull Task<Void> task) {
            if(task.isSuccessful()){
                Intent intent = new Intent(academic_details.this, bus_service.class);
                intent.putExtra("register", reg_id);
                startActivity(intent);
                //Toast.makeText(academic_details.this, "Success!!",
                Toast.LENGTH_SHORT).show();
                class10.setText("");
                class12.setText("");
                jee.setText("");
                dept.setText("");
            }
        }
    });
}
}
}

```

## Bus Details :-

### 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=".bus_service"
    android:orientation="vertical"
    android:background="#ffffff"
    android:padding="16dp">

    <TextView
        android:id="@+id/bus_head"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Bus Service Info"
        android:background="@drawable/input_fields_back"
        android:gravity="center_horizontal"
        android:textSize="40sp"
        android:textStyle="bold|italic"/>

    <Switch
        android:switchPadding="20dp"
        android:switchMinWidth="30dp"
        android:id="@+id/switch1"
        android:layout_below="@+id/bus_head"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_marginTop="75dp"
        android:layout_marginBottom="45dp"
        android:checked="false"
        android:gravity="center"
        android:text="Do you want bus service ?"
        android:textColor="#000000"
        android:textSize="30sp"
        android:textStyle="bold" />

    <Button
        android:id="@+id/nextBtn2"
        android:layout_width="250dp"
```

```
android:layout_height="wrap_content"
android:layout_below="@+id/switch1"
android:layout_marginTop="30dp"
android:layout_centerHorizontal="true"
android:background="@drawable/btn_back"
android:text="Next"
android:layout_gravity="center"
android:textAlignment="center"
android:textSize="30sp"
android:textStyle="bold" />
```

</RelativeLayout>

## **JAVA:-**

```
package com.example.airlinebookingsystem;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.CompoundButton;
import android.widget.LinearLayout;
import android.widget.Switch;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

import java.util.HashMap;
import java.util.Map;

public class bus_service extends AppCompatActivity {

    private Switch bus;
    private LinearLayout busLayout;
    private Button next;

    private DatabaseReference mdatabase;
    private String reg_id;
```

```
String msg;
```

```
@Override
```

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

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

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

```
    reg_id = getIntent().getStringExtra("register");
```

```
    mdatabase = FirebaseDatabase.getInstance().getReference().child("reg").child(reg_id);
```

```
    bus = (Switch) findViewById(R.id.switch1);
```

```
    next = (Button) findViewById(R.id.nextBtn2);
```

```
    next.setOnClickListener(new View.OnClickListener() {
```

```
        @Override
```

```
        public void onClick(View v) {
```

```
            // for not avaiaing bus service
```

```
            add_bus_response("Not Aailed for Bus Services");
```

```
        }
```

```
    });
```

```
    bus.setOnCheckedChangeListener(new CompoundButton.OnCheckedChangeListener() {
```

```
        @Override
```

```
        public void onCheckedChanged(CompoundButton buttonView, boolean isChecked) {
```

```
            if(isChecked){
```

```
                next.setOnClickListener(new View.OnClickListener() {
```

```
                    @Override
```

```
                    public void onClick(View v) {
```

```
                        add_bus_response("Aailed for Bus Services..");
```

```
                    }
```

```
                });
```

```
            }
```

```
            else{
```

```
                next.setOnClickListener(new View.OnClickListener() {
```

```
                    @Override
```

```
                    public void onClick(View v) {
```

```
                        add_bus_response("Not Aailed for Bus Services");
```

```
                    }
```

```
                });
```

```
            }
```

```
        }
```

```
    });
```

```
}
```

```
public void add_bus_response(String msg){
```

```
    Map<String, Object> newMap = new HashMap<>();
```

```
    newMap.put("services",msg);
```

```

        mdatabase.updateChildren(newMap).addOnCompleteListener(new
        OnCompleteListener<Void>() {
            @Override
            public void onComplete(@NonNull Task<Void> task) {
                if(task.isSuccessful()){
                    Intent intent = new Intent(bus_service.this,TokenPage.class);
                    intent.putExtra("register", reg_id);
                    startActivity(intent);
                    //Toast.makeText(bus_service.this, "Response Added!!!",
                    Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
}

```

## **Token Page Details :-**

### **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=".TokenPage"
    android:orientation="vertical"
    android:background="#ffffff"
    android:padding="16dp">

    <TextView
        android:id="@+id/confirm_header"
        android:layout_width="300dp"
        android:text="Confirmation Page"
        android:textSize="34sp"
        android:layout_margin="15dp"
        android:textColor="#000000"
        android:textStyle="italic|bold"
        android:textAlignment="center"
        android:layout_centerHorizontal="true"

```

```
android:layout_height="wrap_content"/>
```

```
<TextView
```

```
    android:id="@+id/token_msg"
```

```
    android:layout_below="@+id/confirm_header"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_width="300dp"
```

```
    android:text="Your Registration is Recorded.\n We will reach to your if your application  
is approved.\n Use the temporary Registration ID to check your Status."
```

```
    android:textAlignment="center"
```

```
    android:textStyle="italic|bold"
```

```
    android:textColor="#000000"
```

```
    android:textSize="24sp"
```

```
    android:layout_centerHorizontal="true"
```

```
    android:layout_margin="15dp" />
```

```
<TextView
```

```
    android:id="@+id/temp_regid_head"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_width="300dp"
```

```
    android:text="Your Registration ID is "
```

```
    android:layout_below="@+id/token_msg"
```

```
    android:textAlignment="center"
```

```
    android:layout_centerHorizontal="true"
```

```
    android:textColor="#012FCD"
```

```
    android:layout_margin="30dp"
```

```
    android:textSize="40sp"
```

```
    android:textStyle="italic|bold" />
```

```
<TextView
```

```
    android:id="@+id/token"
```

```
    android:layout_width="250dp"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_below="@id/temp_regid_head"
```

```
    android:layout_centerHorizontal="true"
```

```
    android:text="Token"
```

```
    android:textIsSelectable="true"
```

```
    android:textAlignment="center"
```

```
    android:textStyle="bold"
```

```
    android:textColor="#000000"
```

```
    android:textSize="30sp" />
```

```
<Button
```

```
    android:id="@+id/gotoHome"
```

```
    android:layout_below="@+id/token"
```

```
    android:layout_width="300dp"
```

```
    android:layout_height="wrap_content"
```

```
android:layout_margin="35dp"
android:layout_centerHorizontal="true"
android:background="@drawable/btn_back"
android:text="Home"
android:padding="5dp"
android:textSize="32sp"/>
```

</RelativeLayout>

## **JAVA:-**

```
package com.example.airlinebookingsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

public class TokenPage extends AppCompatActivity {

    private Button home;
    private TextView tokenDisplay;
    private String reg_id;

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

        reg_id = getIntent().getStringExtra("register");

        tokenDisplay = (TextView) findViewById(R.id.token);
        home = (Button) findViewById(R.id.gotoHome);

        tokenDisplay.setText(reg_id);
        home.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                startActivity(new Intent(TokenPage.this, HomeScreen.class));
            }
        });
    }
}
```



## Search Page Details :-

### 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=".search"
    android:padding="16dp"
    android:background="#ffffff">

    <LinearLayout
        android:layout_centerInParent="true"
        android:id="@+id/ll1"
        android:layout_height="wrap_content"
        android:layout_width="match_parent"
        android:orientation="vertical">

        <TextView
            android:id="@+id/head_label"
            android:layout_width="300dp"
            android:layout_height="wrap_content"
            android:layout_marginTop="35dp"
            android:textAlignment="center"
            android:layout_gravity="center_horizontal"
            android:text="Know your Status"
            android:textSize="34sp"
            android:textStyle="bold | italic" />

        <EditText
            android:id="@+id/search_id"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_below="@+id/head_label"
            android:hint="Enter your registration number.."
            android:gravity="center"
            android:layout_gravity="center"
            android:textStyle="italic"
            android:textSize="30sp"
            android:layout_margin="20dp"
            android:background="#ffffff"/>

        <Button
```

```

        android:id="@+id/searchBtn"
        android:layout_height="wrap_content"
        android:layout_width="300dp"
        android:text="Search"
        android:background="@drawable/btn_back"
        android:textSize="20sp"
        android:layout_below="@+id/search_id"
        android:layout_gravity="center"
        android:layout_margin="15dp" />

</LinearLayout>

</RelativeLayout>

```

## JAVA:-

```

package com.example.airlinebookingsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class search extends AppCompatActivity {

    private EditText searchId;
    private Button searchBtn;

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

        searchId = (EditText) findViewById(R.id.search_id);
        searchBtn = (Button) findViewById(R.id.searchBtn);

        searchBtn.setOnClickListener(new View.OnClickListener() {
            @Override

```

```

    public void onClick(View v) {
        String regid = searchId.getText().toString();
        if(TextUtils.isEmpty(regid)){
            Toast.makeText(search.this, "Field Cannot be Empty",
Toast.LENGTH_SHORT).show();
        }else{
            Intent intent = new Intent(search.this, results.class);
            intent.putExtra("regid", regid);
            startActivity(intent);
        }
    }
});
}
}

```

## Results Page Details :-

### 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=".results"
    android:orientation="vertical"
    android:background="#D2ECF3"
    android:padding="16dp">

```

```

<ScrollView
    android:layout_marginTop="25dp"
    android:id="@+id/scrollView"
    android:layout_width="match_parent"
    android:layout_height="550dp">

```

```

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp">

```

```

<!--Address Card-->
<androidx.cardview.widget.CardView

```

```
android:id="@+id/adress_card"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_margin="24dp"
android:elevation="15dp"
app:cardCornerRadius="15dp">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:padding="16dp">
```

```
<TextView
    android:id="@+id/AddressHead"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Address"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
<TextView
    android:id="@+id/AddressDesc"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"
    android:text="Description"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<!--Department Card-->
```

```
<androidx.cardview.widget.CardView
    android:id="@+id/dept_card"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="24dp"
    android:elevation="15dp"
    app:cardCornerRadius="15dp">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:padding="16dp">

    <TextView
        android:id="@+id/deptHead"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Department"
        android:textAlignment="center"
        android:textSize="30sp"
        android:textStyle="bold" />

    <TextView
        android:id="@+id/deptDesc"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="15dp"
        android:text="Description"
        android:textAlignment="center"
        android:textSize="30sp"
        android:textStyle="bold" />

</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<!--DOB-->
```

```
<androidx.cardview.widget.CardView
    android:id="@+id/dob_card"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="24dp"
    android:elevation="15dp"
    app:cardCornerRadius="15dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        android:padding="16dp">
```

```
<TextView
    android:id="@+id/dobHead"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Date of Birth"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
<TextView
    android:id="@+id/dobDesc"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"
    android:text="Description"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<!--Email Card-->
```

```
<androidx.cardview.widget.CardView
    android:id="@+id/email_card"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="24dp"
    android:elevation="15dp"
    app:cardCornerRadius="15dp">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:padding="16dp">
```

```
<TextView
    android:id="@+id/emailHead"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Email"
    android:textAlignment="center"
    android:textSize="30sp"
```

```
        android:textStyle="bold" />
```

```
    <TextView
        android:id="@+id/emailDesc"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="15dp"
        android:text="Description"
        android:textAlignment="center"
        android:textSize="30sp"
        android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<!--Gender-->
```

```
<androidx.cardview.widget.CardView
    android:id="@+id/gender_card"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="24dp"
    android:elevation="15dp"
    app:cardCornerRadius="15dp">
```

```
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        android:padding="16dp">
```

```
        <TextView
            android:id="@+id/genderHead"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Gender"
            android:textAlignment="center"
            android:textSize="30sp"
            android:textStyle="bold" />
```

```
        <TextView
            android:id="@+id/genderDesc"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="15dp"
```

```
        android:text="Description"
        android:textAlignment="center"
        android:textSize="30sp"
        android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<!--Jee Rank Card-->
```

```
<androidx.cardview.widget.CardView
    android:id="@+id/rank_card"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="24dp"
    android:elevation="15dp"
    app:cardCornerRadius="15dp">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:padding="16dp">
```

```
<TextView
    android:id="@+id/rankHead"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Jee Rank"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
<TextView
    android:id="@+id/rankDesc"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"
    android:text="Description"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```



```
</androidx.cardview.widget.CardView>
```

```
<!--Name Card-->
```

```
<androidx.cardview.widget.CardView  
    android:id="@+id/name_card"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_margin="24dp"  
    android:elevation="15dp"  
    app:cardCornerRadius="15dp">
```

```
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:orientation="vertical"  
    android:padding="16dp">
```

```
<TextView  
    android:id="@+id/nameHead"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:text="Name"  
    android:textAlignment="center"  
    android:textSize="30sp"  
    android:textStyle="bold" />
```

```
<TextView  
    android:id="@+id/nameDesc"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_marginTop="15dp"  
    android:text="Description"  
    android:textAlignment="center"  
    android:textSize="30sp"  
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<!--Perc 10th-->
```

```
<androidx.cardview.widget.CardView  
    android:id="@+id/ten_card"  
    android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
android:layout_margin="24dp"
android:elevation="15dp"
app:cardCornerRadius="15dp">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:padding="16dp">
```

```
<TextView
    android:id="@+id/tenHead"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="10th Percentage"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
<TextView
    android:id="@+id/tenDesc"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"
    android:text="Description"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<!--Perc 12th-->
```

```
<androidx.cardview.widget.CardView
    android:id="@+id/tw_card"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="24dp"
    android:elevation="15dp"
    app:cardCornerRadius="15dp">
```

```
<LinearLayout
```

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:orientation="vertical"
android:padding="16dp">
```

```
<TextView
    android:id="@+id/twHead"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="12th percentage"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
<TextView
    android:id="@+id/twDesc"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"
    android:text="Description"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<!--Phone Card-->
```

```
<androidx.cardview.widget.CardView
    android:id="@+id/phone_card"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="24dp"
    android:elevation="15dp"
    app:cardCornerRadius="15dp">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:padding="16dp">
```

```
<TextView
    android:id="@+id/phoneHead"
```

```
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Phone"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
<TextView
    android:id="@+id/phoneDesc"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"
    android:text="Description"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<!--Bus Service-->
```

```
<androidx.cardview.widget.CardView
    android:id="@+id/bus_card"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="24dp"
    android:elevation="15dp"
    app:cardCornerRadius="15dp">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:padding="16dp">
```

```
<TextView
    android:id="@+id/busHead"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Bus Service"
    android:textAlignment="center"
    android:textSize="30sp"
    android:textStyle="bold" />
```

```

        <TextView
            android:id="@+id/busDesc"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="15dp"
            android:text="Description"
            android:textAlignment="center"
            android:textSize="30sp"
            android:textStyle="bold" />

    </LinearLayout>

</androidx.cardview.widget.CardView>

</LinearLayout>
</ScrollView>

<TextView
    android:id="@+id/status"
    android:layout_height="wrap_content"
    android:layout_width="300dp"
    android:layout_below="@+id/scrollView"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="20dp"
    android:textSize="34sp"
    android:text="Status :- Pending"
    android:textColor="@android:color/holo_red_dark"
    android:textAlignment="center"
    android:textStyle="bold|italic" />

<Button
    android:id="@+id/backtohome"
    android:layout_height="wrap_content"
    android:layout_width="300dp"
    android:layout_below="@+id/status"
    android:layout_centerHorizontal="true"
    android:background="@drawable/btn_back"
    android:text="Home"
    android:textSize="20dp"
    android:layout_marginTop="15dp"/>

</RelativeLayout>

```

## JAVA:-

```
package com.example.airlinebookingsystem;
```

```
import androidx.annotation.NonNull;
```

```
import androidx.annotation.Nullable;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.content.Intent;
```

```
import android.graphics.Color;
```

```
import android.os.Bundle;
```

```
import android.view.View;
```

```
import android.widget.Button;
```

```
import android.widget.EditText;
```

```
import android.widget.TextView;
```

```
import android.widget.Toast;
```

```
import com.google.firebase.database.ChildEventListener;
```

```
import com.google.firebase.database.DataSnapshot;
```

```
import com.google.firebase.database.DatabaseError;
```

```
import com.google.firebase.database.DatabaseReference;
```

```
import com.google.firebase.database.FirebaseDatabase;
```

```
import com.google.firebase.database.ValueEventListener;
```

```
public class results extends AppCompatActivity {
```

```
    private String regid;
```

```
    private DatabaseReference mdatabase;
```

```
    private DatabaseReference mdb;
```

```
    private TextView address;
```

```
    private TextView dept;
```

```
    private TextView dob;
```

```
    private TextView email;
```

```
    private TextView gender;
```

```
    private TextView rank;
```

```
    private TextView name;
```

```
    private TextView perc10;
```

```
    private TextView per12;
```

```
    private TextView phone;
```

```
    private TextView bus;
```

```
    private TextView status;
```

```
    private Button backtoHome;
```

```
@Override
```

```

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

    regid = getIntent().getStringExtra("regid");
    mdatabase = FirebaseDatabase.getInstance().getReference().child("reg").child(regid);
    mdb = FirebaseDatabase.getInstance().getReference().child("Appr");

    //Toast.makeText(this, regid, Toast.LENGTH_SHORT).show();

    address = (TextView) findViewById(R.id.AddressDesc);
    dept = (TextView) findViewById(R.id.deptDesc);
    dob = (TextView) findViewById(R.id.dobDesc);
    email = (TextView) findViewById(R.id.emailDesc);
    gender = (TextView) findViewById(R.id.genderDesc);
    rank = (TextView) findViewById(R.id.rankDesc);
    name = (TextView) findViewById(R.id.nameDesc);
    perc10 = (TextView) findViewById(R.id.tenDesc);
    per12 = (TextView) findViewById(R.id.twDesc);
    phone = (TextView) findViewById(R.id.phoneDesc);
    bus = (TextView) findViewById(R.id.busDesc);
    status = (TextView) findViewById(R.id.status);
    backtoHome = (Button) findViewById(R.id.backtohome);

    backtoHome.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            startActivity(new Intent(results.this, HomeScreen.class));
        }
    });

    mdatabase.addListenerForSingleValueEvent(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot dataSnapshot) {
            address.setText(dataSnapshot.child("address").getValue().toString());
            dept.setText(dataSnapshot.child("dept").getValue().toString());
            dob.setText(dataSnapshot.child("dob").getValue().toString());
            email.setText(dataSnapshot.child("email").getValue().toString());
            gender.setText(dataSnapshot.child("gender").getValue().toString());
            rank.setText(dataSnapshot.child("jeeRank").getValue().toString());
            name.setText(dataSnapshot.child("name").getValue().toString());
            perc10.setText(dataSnapshot.child("percentage_10th").getValue().toString());
            per12.setText(dataSnapshot.child("percentage_12th").getValue().toString());
            phone.setText(dataSnapshot.child("phone").getValue().toString());
            bus.setText(dataSnapshot.child("services").getValue().toString());

            onStart();
        }
    });
}

```

```

    }

    @Override
    public void onCancelled(@NonNull DatabaseError databaseError) {

    }

});
mdb.addChildEventListener(new ChildEventListener() {
    @Override
    public void onChildAdded(@NonNull DataSnapshot dataSnapshot, @Nullable String
s) {
        onStart();
    }

    @Override
    public void onChildChanged(@NonNull DataSnapshot dataSnapshot, @Nullable
String s) {

    }

    @Override
    public void onChildRemoved(@NonNull DataSnapshot dataSnapshot) {
        onStart();
    }

    @Override
    public void onChildMoved(@NonNull DataSnapshot dataSnapshot, @Nullable String
s) {

    }

    @Override
    public void onCancelled(@NonNull DatabaseError databaseError) {

    }
});
}

```

```

public void onStart(){
    super.onStart();
}

```

```

mdb.addListenerForSingleValueEvent(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot dataSnapshot) {
        if(dataSnapshot.hasChild(regid)){
            status.setText("Status :- Approved");
        }
    }
}

```



```

        status.setTextColor(Color.GREEN);
    }
    else{
        status.setText("Status :- Pending");
        status.setTextColor(Color.RED);
    }
}

@Override
public void onCancelled(@NonNull DatabaseError databaseError) {

}
});
}
}

```

## SCREENSHOTS

### SplashScreen



## Home Screen



## Personal details.

1:02

HD 37%

### PERSONAL INFO

Student's Name :-	Debjit Chattopadhyay
Address:-	Baksara
Phone Number:-	9064403885
Gender :-	Male ▼
Email Id:-	debjit16.dc@gmail.com
Date of birth :-	31.07.1999

NEXT

## Academic Details

1:02

HD

37%

### Academic Details

Class X  
Percentage :-

92

Class 12  
Percentage-

85

JEE Rank :-

123456

Department of  
Choice :-

CSE

NEXT

## Bus Details

1:03

HD

37%

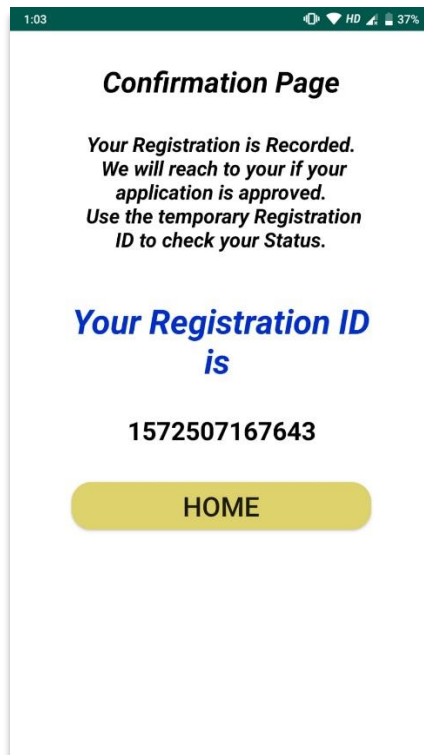
### *Bus Service Info*

Do you want bus service ?

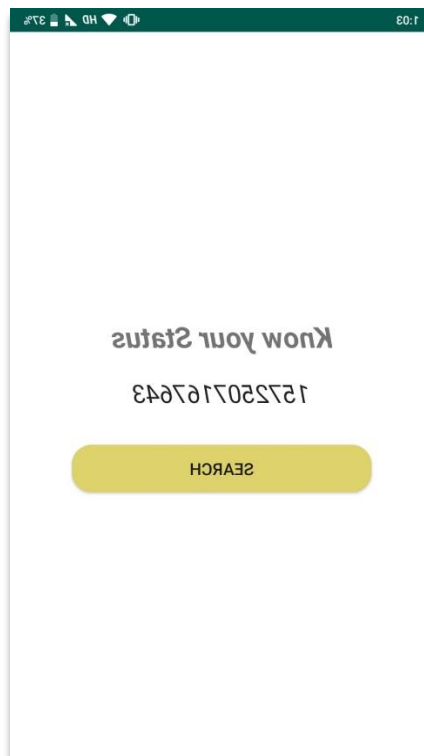
☒

NEXT




## Confirmation Page



## Search Page



## Results Display

1:03   HD  37%

Date of Birth  
31.07.1999




Email  
debjit16.dc@gmail.com

Gender  
Male

---

**Status :- Pending**

HOME

1:05   HD  37%

Address  
Baksara

Department  
CSE

Date of Birth  
31.07.1999

---

**Status :- Approved**

HOME

