



**MAD/LAB/06 - Create an application that will display admin panel and student panel using fragment.**

**Step-1** open android studio.

If android studio start from welcome screen of android studio then

Click on **New Project**.

If you open previous created project then first close current open project.

Goto File -> select close project options

You can see the **wel-come screen** of android studio repeat step 1

Click on **New Project**.

Select **empty Activity** form right side panel and click on next button.

**Step-2** Write the Application name as **MADLAB06**

Select Language for Development is **Java**

Select Minimum SDK, scroll upside and choose android version **4.1 JellyBean**.

Click on **Finish** Button

**Step-3** Your Application show two types of file in that select **activity\_main.xml**

Right click on design page area and select **GOTO XML**.

**Change the page layout as linear layout.**

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:orientation="vertical"

    tools:context=".MainActivity">
<!-- display two Button's and a FrameLayout to replace the Fragment's -->
<LinearLayout
    android:orientation="horizontal"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">
<Button
    android:id="@+id/firstFragment"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="Admin Panel"
    android:layout_marginTop="10dp"
    android:textColor="@color/white"
    android:textSize="20sp" />

<Button
    android:id="@+id/secondFragment"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:layout_marginTop="10dp"
    android:text="Student Panel"
    android:textColor="@color/white"
    android:textSize="20sp" />
</LinearLayout>

<FrameLayout
    android:id="@+id/frameLayout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_marginTop="10dp" />
</LinearLayout>

```

#### **Step-4 GOTO MainActivity.java**

1. Create object of respective controls(Button).  
Button firstFragment, secondFragment;
2. Find the design layout id of buttons inside Oncreate Methods.

```
firstFragment = findViewById(R.id.firstFragment);
secondFragment = findViewById(R.id.secondFragment);
```

3. Set onclick Listeners to button object. And write code for switch activity.

```
firstFragment.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        loadFragment(new FirstFragment());
    }
});
```

```
secondFragment.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        loadFragment(new SecondFragment());
    }
});
```

**Step-4 create loadFragment Method inside MainActivity.java**

```
private void loadFragment(Fragment fragment) {
    FragmentManager fm = getFragmentManager();
    FragmentTransaction fragmentTransaction = fm.beginTransaction();
    fragmentTransaction.replace(R.id.frameLayout, fragment);
    fragmentTransaction.commit(); // save the changes
}
```

**Step-5 create a to fragment class as FirstFragment.java**

**Right click on package name->select New->Select Fragment->Select Empty Fragment**

Give the name to fragment as **FirstFragment** click on **finish Button**

**Step-5 create a to fragment class SecondFragment.java**

**Right click on package name->select New->Select Fragment->Select Empty Fragment**

Give the name to fragment as **SecondFragment** click on **finish Button**

**FINISH**

BY G.P SHINDE