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COLLEGE OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY(COCSIT), LATUR संगणकशास्त्र व माहितीतंत्रज्ञान महाविद्यालय(कॉक्सिट), लातूर.

Ambajogai Road, LATUR-413531 (Maharashtra)

Ph.: 02382-229191, Fax : 02382-228646, Website : www.cocsit.org.in, E-mail : cocsit365@rediffmail.com

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.

BY G.P SHINDE

```
<?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_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