



**MAD/LAB/04 - Create user login application with username and password and switch to next activity by using intent**

**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 **MADLAB03**

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 relative layout.

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:background="#FFD600"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"
        android:layout_marginStart="20dp"
        android:layout_marginLeft="20dp"
        android:layout_marginTop="20dp"
        android:layout_marginEnd="20dp"
        android:layout_marginRight="20dp"
        android:layout_marginBottom="20dp"
        android:background="@drawable/cellborder"
        android:padding="16dp">

        <TextView
            android:id="@+id/txtshowname"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:gravity="center"
            android:text="Login To App"
            android:textSize="35sp" />

        <EditText
            android:id="@+id/edtname"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_below="@id/txtshowname"
            android:background="@drawable/edtborder"
            android:hint="Enter Username"
            android:padding="20dp"
            android:textColorHint="#7AB4D8"
            android:textSize="30sp" />

        <EditText
            android:id="@+id/edtpass"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_below="@id/edtname"
            android:background="@drawable/edtborder"
            android:hint="Enter Password"
```

```
android:padding="20dp"
android:textColorHint="#7AB4D8"
android:textSize="30sp" />
```

```
<Button
    android:id="@+id/btnshow"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/edtpass"
    android:layout_centerHorizontal="true"
    android:background="@drawable/cellboder"
    android:text="Show Name"

/>
</RelativeLayout>
```

```
</RelativeLayout>
```

#### Step-4 GOTO MainActivity.java

1. Create object of respective controls(EditText And Button).  
EditText e1,e2;  
Button b1;
2. Find the design layout id of Edittext and buttons inside Oncreate Methods.  
**e1=findViewById(R.id.edtname);**  
**e2=findViewById(R.id.edtpass);**  
**b1=findViewById(R.id.btnshow);**
3. Set onclick Listeners to button object. And write code for switch activity.

```
b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        String un=e1.getText().toString();
        Intent callIntent=new Intent(MainActivity.this,HomeActivity.class);
        callIntent.putExtra("username",un);
        startActivity(callIntent);
    }
});
```

**Step-5** Create an another activity in same application give the Name **HomeActivity**

**Right Click on java-> Activity-> Empty Activity**

### Step-6 HomeActivity show two types of file in that select **activity\_home.xml**

Right click on design page area and select **GOTO 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=".HomeActivity">

    <TextView
        android:id="@+id/txtshowname"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"
        android:gravity="center"
        android:text=""
        android:textSize="35sp" />
</RelativeLayout>
```

### Step-7 GOTO HomeActivity.Java

1. Create object of respective controls(TextView).  
TextView t1;
2. Find the design layout id of Edittext and buttons inside Oncreate Methods.  
**t1**=findViewById(R.id.*txtshowname*);
3. Get the input from intent object. And write code for set text to textView.

```
Intent nextIntent=getIntent();
String name="Welcome "+nextIntent.getStringExtra("username");
t1.setText(name);
```

**FINISH**