Department of Computer Engineering 01CE0513 – Programming for Android – Lab Manual

Experiment 3

Title: Designing UI for Sign in and Sign up screen.

Aim: Android UI design involves the use of prebuilt Android UI components, such as structured layout objects and UI controls, to build the graphical user interface for our applications.

Activity_Main.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:id="@+id/main"
android:layout height="match parent"
android:orientation="vertical"
android:padding="16dp"
android:gravity="center"
tools:context=".MainActivity">
<TextView
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Home"
    android:textSize="40sp"
    android:textStyle="bold"
    android:layout marginBottom="20dp" />
<LinearLayout
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout margin="20dp">
    <Button
        android:id="@+id/toLogin"
        android:layout margin="20dp"
        android:layout width="wrap content"
        android: layout height="wrap content"
        android:text="Login"
        android:background="#B71C1C"
        android:textColor="#FFFFFF" />
    <Button
        android:id="@+id/toRegister"
        android:layout margin="20dp"
        android:layout width="wrap content"
        android: layout height="wrap content"
        android:text="Register"
        android:background="#B71C1C"
        android:textColor="#FFFFFF" />
</LinearLayout> <!-- This line was missing -->
</LinearLayout>
```





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registration.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:id="@+id/main"
android: layout width="match parent"
android:layout height="match parent"
tools:context=".RegistrationActivity"
android:orientation="vertical">
<TextView
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout gravity="center"
    android:layout marginTop="10dp"
    android:text="Student Registration"
    android:textColor="@color/black"
    android:textSize="20dp"
    android:textStyle="bold"
    android:padding="20dp"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintLeft toLeftOf="parent"
    app:layout constraintRight toRightOf="parent"
    app:layout constraintTop toTopOf="parent" />
<View
    android:layout width="400dp"
    android: layout height="1dp"
    android:background="#ACA1A1"
    android:layout gravity="center"
    android:layout marginTop="2dp"/>
<LinearLayout
    android:padding="5dp"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:orientation="horizontal"
    android:layout marginTop="5dp">
    <TextView
        android:padding="5dp"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="Name:"
        android:textSize="20dp"
        android:layout marginLeft="5dp"/>
```

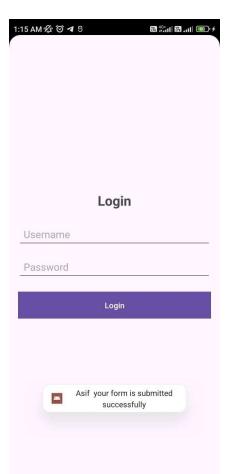
```
<EditText
        android:padding="5dp"
        android:id="@+id/userName"
        android:layout width="300dp"
        android:layout height="42dp"
        android:layout marginLeft="49dp"
        android:background="#5676"
        android:hint="Enter Username.."
        android:textSize="20dp"
       tools:ignore="TouchTargetSizeCheck, TouchTargetSizeCheck"/>
</LinearLayout>
<LinearLayout
    android:padding="5dp"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:orientation="horizontal"
    android:layout marginTop="5dp">
    <TextView
        android:padding="5dp"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="Password:"
        android:textSize="20dp"
        android:layout marginLeft="5dp" />
    <EditText
        android:padding="5dp"
        android:id="@+id/userPassword"
        android:layout width="300dp"
        android:layout height="40dp"
        android:layout marginLeft="13dp"
        android:autofillHints=""
        android:background="#5676"
        android:hint="Enter Password.."
        android:inputType="textPassword"
        android:textSize="20sp"
        tools:ignore="TouchTargetSizeCheck" />
</LinearLayout>
<LinearLayout
    android:padding="5dp"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:orientation="horizontal"
    android:layout marginTop="5dp">
    <TextView
```

```
android:padding="5dp"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="Mob No:"
        android:textSize="20dp"
        android:layout marginLeft="5dp" />
    <EditText
        android:padding="5dp"
        android:id="@+id/userContact"
        android:layout width="300dp"
        android:layout height="40dp"
        android:layout marginLeft="32dp"
        android:background="#5676"
        android:hint="Enter Contact No.."
        android:inputType="number"
        android:textSize="20dp"
        tools:ignore="TouchTargetSizeCheck" />
</LinearLayout>
<RadioGroup
    android:padding="5dp"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:orientation="horizontal">
    <TextView
        android:padding="5dp"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="Gender"
        android:textSize="20dp"
        android:layout marginRight="35dp"
        android:layout marginLeft="5dp"/>
    <RadioButton
        android:id="@+id/Male"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="Male"
        android:gravity="center"
        android:textSize="20dp"/>
    <RadioButton
        android:id="@+id/Female"
        android:layout width="wrap_content"
        android:layout height="wrap content"
        android:text="Female"
        android:gravity="center"
```

```
android:textSize="20dp"/>
</RadioGroup>
< Radio Group
    android:padding="5dp"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:orientation="horizontal">
    <TextView
        android:padding="5dp"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:textSize="20dp"
        android:text="Skills"
        android:layout marginRight="53dp"
        android:layout marginLeft="5dp"/>
    <CheckBox
        android:id="@+id/Java"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="Java"
        android:textSize="20dp"/>
    <CheckBox
        android:id="@+id/Python"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="Python"
        android:textSize="20dp"/>
    <CheckBox
        android:id="@+id/cpp"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="C++"
        android:textSize="20dp"/>
</RadioGroup>
    <LinearLayout
        android:padding="5dp"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:orientation="horizontal">
        <TextView
            android:padding="5dp"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:text="State:"
```

```
android:textSize="20dp"
            android:layout marginLeft="5dp" />
        <Spinner
            android:id="@+id/stateSpinner"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:layout marginLeft="20dp"
            android:textSize="20dp"
            tools:ignore="TouchTargetSizeCheck" />
    </LinearLayout>
<Button
    android:id="@+id/btnSubmit"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:text="Click To Submit"
    android:textColor="#F5FBF6"
    android:background="#B71C1C"
    android:layout marginTop="10dp"/>
</LinearLayout>
```





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Login.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
android:layout width="match parent"
android:id="@+id/main"
android:layout height="match parent"
android:orientation="vertical"
android:padding="16dp"
android:gravity="center">
<TextView
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Login"
    android:textSize="24sp"
    android:textStyle="bold"
    android:layout marginBottom="20dp" />
    <EditText
        android:id="@+id/etUsername"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout marginBottom="10dp"
        android:hint="Username"
        android:inputType="text"
        android:minHeight="48dp"
        android:padding="10dp" />
    <EditText
        android:id="@+id/etPassword"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout marginBottom="20dp"
        android:hint="Password"
        android:inputType="textPassword"
        android:minHeight="48dp"
        android:padding="10dp" />
<Button
    android:id="@+id/btnLogin"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:text="Login"
    android:background="#B71C1C"
    android:textColor="#FFFFFF" />
</LinearLayout>
```



