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20MCA309

LOGIN FORM FOR VALIDATION USING INTENT

XML CODE:

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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=".MainActivity">

    <TextView
        android:id="@+id/r1"
        android:layout_width="191dp"
        android:layout_height="39dp"
        android:background="#009688"
        android:text="Registration Form"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.581"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.111" />

    <TextView
        android:id="@+id/a1"
        android:layout_width="113dp"
        android:layout_height="33dp"
        android:text="Name"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.167"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.289" />

    <EditText
        android:id="@+id/s1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.919"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.276" />
```

```

<TextView
    android:id="@+id/a2"
    android:layout_width="115dp"
    android:layout_height="32dp"
    android:text="Password"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.162"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.417" />

<EditText
    android:id="@+id/s2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.919"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.406" />

<Button
    android:id="@+id/b1"
    android:layout_width="140dp"
    android:layout_height="54dp"
    android:background="#009688"
    android:onClick="callSecondActivity"
    android:text="Submit"
    android:textColorLink="#03A9F4"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.557"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.749" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

Activity_main2.xml

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    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=".Main2Activity">

    <TextView
        android:id="@+id/t1"

```

```

        android:layout_width="312dp"
        android:layout_height="73dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.517"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.387" />

<TextView
    android:id="@+id/t2"
    android:layout_width="309dp"
    android:layout_height="77dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.509"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.559" />

<TextView
    android:id="@+id/textView3"
    android:layout_width="391dp"
    android:layout_height="100dp"
    android:background="#009688"
    android:text="                DETAILS"
    android:textSize="36sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.147" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

MainActivity.java

```

package com.example.explicit_regform;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {

    EditText UName;
    EditText Password;

```

```

Button Submit;

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

    UName = findViewById(R.id.s1);
    Password = findViewById(R.id.s2);
    Submit = findViewById(R.id.b1);
    Submit.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            login();
        }
    });
}

public void login() {
    String nam = UName.getText().toString();

    if (UName.getText().toString().length() == 0) {
        UName.requestFocus();
        UName.setError("Enter valid name");
        return;
    }
    String namePattern = "[0-9!@#$$%^*&*]";
    if (UName.getText().toString().matches(namePattern)) {
        UName.requestFocus();
        UName.setError("Enter valid name");
        return;
    }

    if (Password.getText().toString().length() == 0) {
        Password.requestFocus();
        Password.setError("Enter valid password");
        return;
    }
    if (Password.getText().toString().length() < 8) {
        Password.requestFocus();
        Password.setError("Enter minimum 8 digit password");
        return;
    }
}

public void callSecondActivity(View view) {
    Intent i = new Intent(getApplicationContext(), Main2Activity.class);
    String str="UName      :      "+ UName.getText().toString();
    i.putExtra("Value1", str);
    startActivity(i);
}

}

```

Main2Activity.java

```
package com.example.explicit_regform;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;

import android.os.Bundle;
import android.view.View;
import android.widget.TextView;
import android.widget.Toast;

public class Main2Activity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {

        TextView t1;
        TextView t2;

        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);

        t1 = (TextView) findViewById(R.id.t1);
        t2 = (TextView) findViewById(R.id.t2);

        Intent intent = getIntent();

        String str = intent.getStringExtra("Value1");

        t1.setText(str);

    }
}
```

OUTPUT:

The screenshot displays a mobile application interface for a registration form. At the top, a teal header bar contains the title 'Explicit_RegForm'. Below the header, a teal box labeled 'Registration Form' is visible. The form consists of two input fields: 'Name' and 'Password'. The 'Name' field contains the text 'Anila'. The 'Password' field is empty and has a red error indicator (a red circle with an exclamation mark) above it. A black tooltip with the text 'Enter valid password' is positioned next to the error indicator. A teal 'SUBMIT' button is located at the bottom of the form. The status bar at the top shows the time as 3:53.

This screenshot shows the same registration form after the user has entered 'ANILA@123' in the password field. Both the 'Name' and 'Password' fields now have red error indicators above them. The tooltip for the 'Name' field now says 'Enter valid name'. The 'SUBMIT' button remains at the bottom. The status bar at the top shows the time as 3:55.