activity_main.xml

```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"
    android:background="#8FDFD4"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="128dp"
        android:layout_height="34dp"
        android:text="User Name:"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.18"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.195" />
    <EditText
        android:id="@+id/e1"
        android:layout_width="161dp"
        android:layout_height="37dp"
        android:ems="10"
        android:inputType="textPersonName"
        android:text=""
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.768"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.191"
        tools:ignore="MissingConstraints" />
    <EditText
        android:id="@+id/e2"
        android:layout_width="169dp"
        android:layout_height="34dp"
        android:ems="10"
        android:inputType="textPersonName"
        android:text=""
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.793"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.328"
        tools:ignore="MissingConstraints" />
```

```xml
    <TextView
        android:id="@+id/textView"
        android:layout_width="121dp"
        android:layout_height="35dp"
        android:text="Password"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.175"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.329"
        tools:ignore="MissingConstraints" />
    <Button
        android:id="@+id/btn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:onClick="callSecondActivity"
        android:text="LOGIN"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.512"
        tools:ignore="MissingConstraints" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.java

```java
package com.example.loginapplication;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;

import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity{
    EditText e1,e2;
    Button b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        e1=(EditText)findViewById(R.id.e1);
        e2=(EditText)findViewById(R.id.e2);
        b1=(Button)findViewById(R.id.button);
    }
```

```java
    public void callSecondActivity(View v) {
        String name=e1.getText().toString();
        String pwd=e2.getText().toString();
        String a="Ann";
        String b="123";
        if((name.equals(a))&&(pwd.equals(b))){
            Intent i=new Intent(getApplicationContext(),MainActivity2.class);
            i.putExtra("x", name);
            i.putExtra("y", pwd);
            startActivity(i);
        }
        else{
            Toast.makeText(getApplicationContext(),"Wrong
Credentials",Toast.LENGTH_LONG).show();
        }
    }
}
```

activity_main2.xml

```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"
    android:background="#8FDFD4"
    tools:context=".MainActivity2">

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:onClick="callMainActivity"
        android:text="HOME"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.591"
        tools:ignore="MissingConstraints" />

    <TextView
        android:id="@+id/res"
        android:layout_width="154dp"
        android:layout_height="40dp"
        android:textSize="20sp"
        android:text=""
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
```

```
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.325" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity2.java

```java
package com.example.loginapplication;

import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;


public class MainActivity2 extends AppCompatActivity {

    Button b1;
    TextView t1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        b1=(Button)findViewById(R.id.button);
        t1=(TextView)findViewById(R.id.res);

        Bundle extras = getIntent().getExtras();
        String name = extras.getString("x");
        t1.setText("Welcome "+name);
    }
    public void callMainActivity(View v){
        Intent i=new Intent(getApplicationContext(),MainActivity.class);
        startActivity(i);
    }
}
```