java\session2023-2024.java

```java
public class MainActivity extends Activity {
    private TextView tvStatus;
    private static final int LOGIN_REQUEST = 1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        tvStatus = findViewById(R.id.tvStatus);
        Button btnLogin = findViewById(R.id.btnLogin);
        getFragmentManager().beginTransaction()
                .add(R.id.fragmentContainer, new Fragment1())
                .commit();
        btnLogin.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(MainActivity.this, LoginActivity.class);
                startActivityForResult(intent, LOGIN_REQUEST);
            }
        });
    }
    @Override
    protected void onActivityResult(int requestCode, int resultCode, Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if (requestCode == LOGIN_REQUEST) {
            if (resultCode == RESULT_OK) {
                String username = data.getStringExtra("username");
```

```
27                    tvStatus.setText(username + " you are connected");
28                } else if (resultCode == RESULT_CANCELED) {
29                    tvStatus.setText("You are not connected");
30                }
31            }
32        }
33 }
34
35 <?xml version="1.0" encoding="utf-8"?>
36 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
   android:layout_width="match_parent" android:layout_height="match_parent"
   android:orientation="vertical" android:padding="16dp">
37     <Button android:id="@+id/btnLogin" android:layout_width="match_parent"
   android:layout_height="wrap_content" android:text="Login" />
38     <TextView android:id="@+id/tvStatus" android:layout_width="match_parent"
   android:layout_height="wrap_content" android:layout_marginTop="16dp" android:textSize="18sp" />
39     <FrameLayout android:id="@+id/fragmentContainer" android:layout_width="match_parent"
   android:layout_height="0dp" android:layout_weight="1" />
40 </LinearLayout>
41
42
43 public class Fragment1 extends Fragment {
44     @Override
45     public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle
   savedInstanceState) {
46         View view = inflater.inflate(R.layout.fragment1, container, false);
47         Button btnSignUp = view.findViewById(R.id.btnSignUp);
48         btnSignUp.setOnClickListener(new View.OnClickListener() {
49             @Override
```

```java
50              public void onClick(View v) {
51                  Intent intent = new Intent(getActivity(), SignupActivity.class);
52                  startActivity(intent);
53              }
54          });
55          return view;
56      }
57 }
58
59 <?xml version="1.0" encoding="utf-8"?>
60 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
   android:layout_width="match_parent" android:layout_height="match_parent">
61     <Button android:id="@+id/btnSignUp" android:layout_width="wrap_content"
   android:layout_height="wrap_content" android:text="Sign Up" />
62 </LinearLayout>
63
64
65 public class LoginActivity extends Activity {
66     private EditText etUsername;
67     @Override
68     protected void onCreate(Bundle savedInstanceState) {
69         super.onCreate(savedInstanceState);
70         setContentView(R.layout.activity_login);
71         etUsername = findViewById(R.id.etUsername);
72         Button btnOk = findViewById(R.id.btnOk);
73         Button btnCancel = findViewById(R.id.btnCancel);
74         btnOk.setOnClickListener(new View.OnClickListener() {
75             @Override
76             public void onClick(View v) {
```

```
77              String username = etUsername.getText().toString().trim();
78              if (username.isEmpty()) {
79                  Toast.makeText(LoginActivity.this, "Please enter username",
    Toast.LENGTH_SHORT).show();
80                  return;
81              }
82              Intent resultIntent = new Intent();
83              resultIntent.putExtra("username", username);
84              setResult(RESULT_OK, resultIntent);
85              finish();
86          }
87      });
88      btnCancel.setOnClickListener(new View.OnClickListener() {
89          @Override
90          public void onClick(View v) {
91              setResult(RESULT_CANCELED);
92              finish();
93          }
94      });
95  }
96 }
97
98 <?xml version="1.0" encoding="utf-8"?>
99 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent" android:layout_height="match_parent"
    android:orientation="vertical" android:padding="16dp">
100    <EditText android:id="@+id/etUsername" android:layout_width="match_parent"
    android:layout_height="wrap_content" android:hint="Enter username" />
```

```xml
        <LinearLayout android:layout_width="match_parent" android:layout_height="wrap_content"
    android:layout_marginTop="16dp" android:orientation="horizontal">
            <Button android:id="@+id/btnOk" android:layout_width="0dp"
    android:layout_height="wrap_content" android:layout_weight="1" android:text="OK" />
            <Button android:id="@+id/btnCancel" android:layout_width="0dp"
    android:layout_height="wrap_content" android:layout_weight="1" android:text="Cancel" />
        </LinearLayout>
</LinearLayout>
```

```java
public class SignupActivity extends Activity {
    private EditText etName;
    private RadioButton rbMobile,rbWeb;
    private CheckBox cbAgree;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_signup);
        etName = findViewById(R.id.etName);
        rbMobile = findViewById(R.id.rbMobile);
        rbWeb = findViewById(R.id.rbWeb);
        cbAgree = findViewById(R.id.cbAgree);
        Button btnNext = findViewById(R.id.btnNext);
        btnNext.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String name = etName.getText().toString().trim();
                if (name.isEmpty()) {
```

```java
126                        Toast.makeText(SignupActivity.this, "Please enter name",
      Toast.LENGTH_SHORT).show();
127                        return;
128                    }
129                    if (!rbMobile.isChecked() && !rbWeb.isChecked()) {
130                        Toast.makeText(SignupActivity.this, "Please select app type",
      Toast.LENGTH_SHORT).show();
131                        return;
132                    }
133                    String appType = rbMobile.isChecked() ? "Mobile app" : "Web app";
134                    String agreement = cbAgree.isChecked() ? "Agree" : "Not agree";
135                    getFragmentManager().beginTransaction()
136                            .replace(R.id.fragmentContainer, Fragment2.newInstance(name, appType,
      agreement))
137                            .commit();
138                }
139            });
140        }
141 }
142
143 <?xml version="1.0" encoding="utf-8"?>
144 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
      android:layout_width="match_parent" android:layout_height="match_parent"
      android:orientation="vertical" android:padding="16dp">
145     <EditText android:id="@+id/etName" android:layout_width="match_parent"
      android:layout_height="wrap_content" android:hint="Enter name" />
146     <RadioGroup android:layout_width="match_parent" android:layout_height="wrap_content"
      android:layout_marginTop="16dp">
```

```xml
        <RadioButton android:id="@+id/rbMobile" android:layout_width="wrap_content"
    android:layout_height="wrap_content" android:text="Mobile app" />
        <RadioButton android:id="@+id/rbWeb" android:layout_width="wrap_content"
    android:layout_height="wrap_content" android:text="Web app" />
    </RadioGroup>
    <CheckBox android:id="@+id/cbAgree" android:layout_width="match_parent"
    android:layout_height="wrap_content" android:layout_marginTop="16dp" android:text="I agree" />
        <Button android:id="@+id/btnNext" android:layout_width="match_parent"
    android:layout_height="wrap_content" android:layout_marginTop="16dp" android:text="Next" />
        <FrameLayout android:id="@+id/fragmentContainer" android:layout_width="match_parent"
    android:layout_height="0dp" android:layout_weight="1" android:layout_marginTop="16dp" />
</LinearLayout>


public class Fragment2 extends ListFragment {
    private static final String ARG_NAME = "name";
    private static final String ARG_APP_TYPE = "appType";
    private static final String ARG_AGREEMENT = "agreement";
    public static Fragment2 newInstance(String name, String appType, String agreement) {
        Fragment2 fragment = new Fragment2();
        Bundle args = new Bundle();
        args.putString(ARG_NAME, name);
        args.putString(ARG_APP_TYPE, appType);
        args.putString(ARG_AGREEMENT, agreement);
        fragment.setArguments(args);
        return fragment;
    }
    @Override
    public void onActivityCreated(Bundle savedInstanceState) {
```

```java
171        super.onActivityCreated(savedInstanceState);
172        Bundle args = getArguments();
173        String name = args.getString(ARG_NAME);
174        String appType = args.getString(ARG_APP_TYPE);
175        String agreement = args.getString(ARG_AGREEMENT);
176        ArrayList<String> items = new ArrayList<>();
177        items.add(name);
178        items.add(appType);
179        items.add(agreement);
180        setListAdapter(new ArrayAdapter<>(getActivity(),
181                android.R.layout.simple_list_item_1, items));
182    }
183 }
184
185 <?xml version="1.0" encoding="utf-8"?>
186 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent" android:layout_height="match_parent"
    android:orientation="vertical">
187    <ListView android:id="@android:id/list" android:layout_width="match_parent"
    android:layout_height="match_parent" />
188 </LinearLayout>
```