

java\session2021-2022.java

```
1 public class MainActivity extends AppCompatActivity {
2     private EditText nameEditText;
3     private Spinner destinationSpinner;
4     private TextView airlineTextView;
5     private Button okButton;
6     @Override
7     protected void onCreate(Bundle savedInstanceState) {
8         super.onCreate(savedInstanceState);
9         setContentView(R.layout.activity_main);
10        nameEditText = findViewById(R.id.nameEditText);
11        destinationSpinner = findViewById(R.id.destinationSpinner);
12        airlineTextView = findViewById(R.id.airlineTextView);
13        okButton = findViewById(R.id.okButton);
14        // Define destinations array directly in Java
15        String[] destinations = {"None", "Beirut", "Paris", "Madrid"};
16        // Setup spinner with the Java array
17        ArrayAdapter<String> adapter = new ArrayAdapter<>(
18            this,
19            android.R.layout.simple_spinner_item,
20            destinations
21        );
22        adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
23        destinationSpinner.setAdapter(adapter);
24        destinationSpinner.setOnItemClickListener(new AdapterView.OnItemClickListener() {
25            @Override
26            public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
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27 String selected = parent.getItemAtPosition(position).toString();
28 if (selected.equals("None")) {
29     airlineTextView.setVisibility(View.GONE);
30 } else {
31     String airline = "";
32     if (selected.equals("Beirut")) airline = "MEA";
33     else if (selected.equals("Paris")) airline = "Air France";
34     else if (selected.equals("Madrid")) airline = "Pegasus";
35
36     airlineTextView.setText("Company Airline: " + airline);
37     airlineTextView.setVisibility(View.VISIBLE);
38 }
39 }
40 @Override
41 public void onNothingSelected(AdapterView<?> parent) {
42     airlineTextView.setVisibility(View.GONE);
43 }
44 });
45 okButton.setOnClickListener(v -> {
46     String name = nameEditText.getText().toString().trim();
47     if (name.isEmpty()) {
48         Toast.makeText(this, "Please enter your name", Toast.LENGTH_SHORT).show();
49         return;
50     }
51     String destination = destinationSpinner.getSelectedItem().toString();
52     if (destination.equals("None")) {
53         Toast.makeText(this, "Please select a destination", Toast.LENGTH_SHORT).show();
54         return;
```

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55     }
56     String airline = "";
57     if (destination.equals("Beirut")) airline = "MEA";
58     else if (destination.equals("Paris")) airline = "Air France";
59     else if (destination.equals("Madrid")) airline = "Pegasus";
60     Fragment fragment1 = Fragment1.newInstance(name, destination, airline);
61     FragmentTransaction transaction = getSupportFragmentManager().beginTransaction();
62     transaction.replace(R.id.fragmentContainer, fragment1);
63     transaction.addToBackStack(null);
64     transaction.commit();
65 });
66 }
67 // Add this method to MainActivity
68 public void resetAndCloseFragments() {
69     // Clear back stack
70     getSupportFragmentManager().popBackStack(null, FragmentManager.POP_BACK_STACK_INCLUSIVE);
71     nameEditText.setText("");
72     destinationSpinner.setSelection(0);
73     airlineTextView.setVisibility(View.GONE);
74 }
75 }
76
77 <?xml version="1.0" encoding="utf-8"?>
78 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
79     android:layout_width="match_parent" android:layout_height="match_parent"
80     android:orientation="vertical" android:padding="16dp">
81     <TextView android:layout_width="wrap_content" android:layout_height="wrap_content"
82     android:text="Name:" />

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80     <EditText android:id="@+id/nameEditText" android:layout_width="match_parent"
android:layout_height="wrap_content" />
81     <TextView android:layout_width="wrap_content" android:layout_height="wrap_content"
android:text="Destination:" />
82     <Spinner android:id="@+id/destinationSpinner" android:layout_width="match_parent"
android:layout_height="wrap_content" />
83     <TextView android:id="@+id/airlineTextView" android:layout_width="wrap_content"
android:layout_height="wrap_content" android:visibility="gone" />
84     <Button android:id="@+id/okButton" android:layout_width="wrap_content"
android:layout_height="wrap_content" android:text="OK" />
85     <FrameLayout android:id="@+id/fragmentContainer" android:layout_width="match_parent"
android:layout_height="match_parent" />
86 </LinearLayout>
87
88
89 public class Fragment1 extends Fragment {
90     private static final String ARG_NAME = "name";
91     private static final String ARG_DESTINATION = "destination";
92     private static final String ARG_AIRLINE = "airline";
93     public static Fragment1 newInstance(String name, String destination, String airline) {
94         Fragment1 fragment = new Fragment1();
95         Bundle args = new Bundle();
96         args.putString(ARG_NAME, name);
97         args.putString(ARG_DESTINATION, destination);
98         args.putString(ARG_AIRLINE, airline);
99         fragment.setArguments(args);
100     return fragment;
101 }
102 @Override

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103 public View onCreateView(LayoutInflater inflater, ViewGroup container,
104                          Bundle savedInstanceState) {
105     View view = inflater.inflate(R.layout.fragment1, container, false);
106     TextView infoTextView = view.findViewById(R.id.infoTextView);
107     RadioGroup classRadioGroup = view.findViewById(R.id.classRadioGroup);
108     CheckBox confirmCheckBox = view.findViewById(R.id.confirmCheckBox);
109     Button validateButton = view.findViewById(R.id.validateButton);
110     Bundle args = getArguments();
111     String name = args.getString(ARG_NAME);
112     String destination = args.getString(ARG_DESTINATION);
113     String airline = args.getString(ARG_AIRLINE);
114     infoTextView.setText("Hello " + name + " your destination is " + destination + " with the
company " + airline);
115     validateButton.setOnClickListener(v -> {
116         String selectedClass = "";
117         boolean isConfirmed = confirmCheckBox.isChecked();
118         int selectedId = classRadioGroup.getCheckedRadioButtonId();
119         if (isConfirmed && selectedId == -1) {
120             Toast.makeText(getContext(), "Please select a class", Toast.LENGTH_SHORT).show();
121             return;
122         }
123         if (selectedId == R.id.businessRadioButton) {
124             selectedClass = "Business class";
125         } else if (selectedId == R.id.economicRadioButton) {
126             selectedClass = "Economic class";
127         }
128         Fragment fragment2 = Fragment2.newInstance(name, destination, airline, selectedClass,
isConfirmed);
129         getParentFragmentManager().beginTransaction()

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130         .replace(R.id.fragmentContainer, fragment2)
131         .addToBackStack(null)
132         .commit();
133     });
134     return view;
135 }
136 }
137
138 <?xml version="1.0" encoding="utf-8"?>
139 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
140     android:layout_width="match_parent" android:layout_height="match_parent"
141     android:orientation="vertical" android:padding="16dp">
142     <TextView android:id="@+id/infoTextView" android:layout_width="wrap_content"
143     android:layout_height="wrap_content" />
144     <RadioGroup android:id="@+id/classRadioGroup" android:layout_width="wrap_content"
145     android:layout_height="wrap_content">
146         <RadioButton android:id="@+id/businessRadioButton" android:layout_width="wrap_content"
147         android:layout_height="wrap_content" android:text="Business Class" />
148         <RadioButton android:id="@+id/economicRadioButton" android:layout_width="wrap_content"
149         android:layout_height="wrap_content" android:text="Economic Class" />
150     </RadioGroup>
151     <CheckBox android:id="@+id/confirmCheckBox" android:layout_width="wrap_content"
152     android:layout_height="wrap_content" android:text="Confirm" />
153     <Button android:id="@+id/validateButton" android:layout_width="wrap_content"
154     android:layout_height="wrap_content" android:text="Validate" />
155 </LinearLayout>
156
157 public class Fragment2 extends Fragment {

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```
151 private static final String ARG_NAME = "name";
152 private static final String ARG_DESTINATION = "destination";
153 private static final String ARG_AIRLINE = "airline";
154 private static final String ARG_CLASS = "class";
155 private static final String ARG_CONFIRMED = "confirmed";
156 public static Fragment2 newInstance(String name, String destination, String airline,
157                                     String flightClass, boolean confirmed) {
158     Fragment2 fragment = new Fragment2();
159     Bundle args = new Bundle();
160     args.putString(ARG_NAME, name);
161     args.putString(ARG_DESTINATION, destination);
162     args.putString(ARG_AIRLINE, airline);
163     args.putString(ARG_CLASS, flightClass);
164     args.putBoolean(ARG_CONFIRMED, confirmed);
165     fragment.setArguments(args);
166     return fragment;
167 }
168 @Override
169 public View onCreateView(LayoutInflater inflater, ViewGroup container,
170                           Bundle savedInstanceState) {
171     View view = inflater.inflate(R.layout.fragment2, container, false);
172     TextView welcomeTextView = view.findViewById(R.id.welcomeTextView);
173     Button closeButton = view.findViewById(R.id.closeButton);
174     Bundle args = getArguments();
175     boolean confirmed = args.getBoolean(ARG_CONFIRMED);
176     String flightClass = args.getString(ARG_CLASS);
177     if (confirmed) {
178         welcomeTextView.setText("Welcome, you are in " + flightClass);
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179     } else {
180         welcomeTextView.setText("You have 24 hours to confirm");
181     }
182     closeButton.setOnClickListener(v -> {
183         ((MainActivity)requireActivity()).resetAndCloseFragments();
184     });
185     return view;
186 }
187 }
188
189 <?xml version="1.0" encoding="utf-8"?>
190 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
191     android:layout_width="match_parent" android:layout_height="match_parent"
192     android:orientation="vertical" android:padding="16dp">
193     <TextView android:id="@+id/welcomeTextView" android:layout_width="wrap_content"
194     android:layout_height="wrap_content" />
195     <Button android:id="@+id/closeButton" android:layout_width="wrap_content"
196     android:layout_height="wrap_content" android:text="Close" />
197 </LinearLayout>
```