# Report No: 03

# Task Title: Convert the single-activity app in Lab 2 to Double Activity App

Course Title: Mobile Application Development Laboratory
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## GitHub Link: https://github.com/shanjida-alam/Double-Activity-App

# activity\_main.xml code:

```
<LinearLayout
   <TextView
        android:text="@string/book type"
        android:layout margin="16dp"
</LinearLavout>
```

#### strings.xml code:

## activity\_second.xml code:

```
<androidx.constraintlayout.widget.ConstraintLayout</pre>
    <TextView
        android:textStyle="bold"
        app:layout constraintTop toTopOf="parent"
```

# MainActivity.java code:

```
package com.example.lab03doubleactivityapp;
import android.widget.EditText;
public class MainActivity extends AppCompatActivity {
   protected void onCreate(Bundle savedInstanceState) {
insets.getInsets(WindowInsetsCompat.Type.systemBars());
```

# SecondActivity.java Code:

```
package com.example.lab03doubleactivityapp;
import android.widget.TextView;
import androidx.activity.EdgeToEdge;
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
       String messageText = intent.getStringExtra(EXTRA MESSAGE);
           bookFormatted.append(book).append("\n");
       MenuTextView.setText(bookFormatted);
       ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main),
           v.setPadding(systemBars.left, systemBars.top, systemBars.right,
```

# BookExpert.java Code:

```
package com.example.lab03doubleactivityapp;
import java.util.ArrayList;
import java.util.List;

public class BookExpert {
    public List<String> getBook(String Category) {
        List<String> Books = new ArrayList<>();
        if (Category.equals("Fiction")) {
            Books.add("List of Fiction Books:\n");
            Books.add("List of Fiction Books:\n");
            Books.add("2. The Kite Runner");
            Books.add("3. Harry Potter");
        }
        else if (Category.equals("Non-fiction")) {
            Books.add("List of Non-Fiction Books:\n");
            Books.add("1.In Cold Blood");
            Books.add("2.Into Thin Air");
            Books.add("3.The Diary of a Young Girl");
        }
        else if (Category.equals("Science Fiction")) {
            Books.add("List of Science Fiction Books:\n");
            Books.add("1. The Martian");
            Books.add("2. Brave New World");
            Books.add("3. Fahrenheit 451");
        }
        return Books;
    }
}
```

# **Output:**

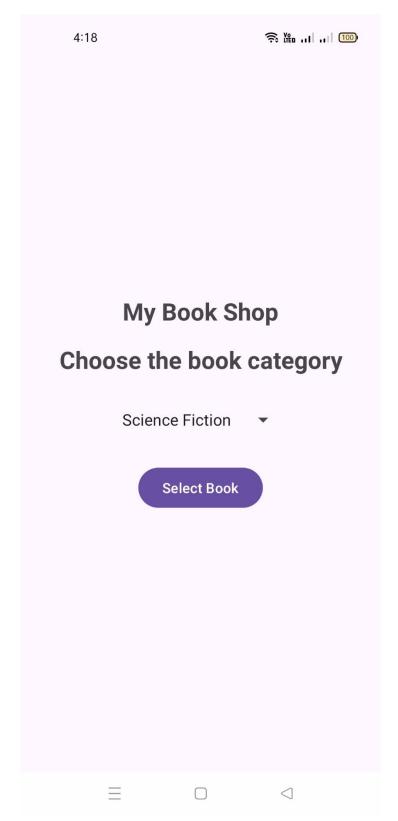


Fig-01: Select the Science Fiction category and Press the Select Book button



Fig 02: When I press the 'Select Book Button', it goes to the second activity and shows the desired book list under this category

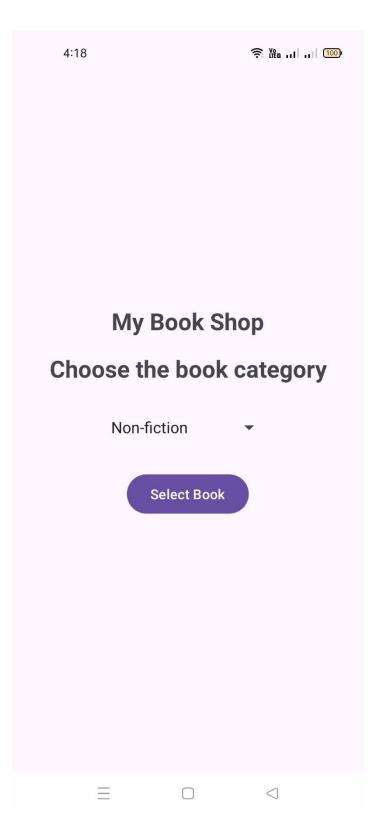


Fig-03: Select the Non-Fiction category and Press the Select Book button



Fig 04: When I press the 'Select Book Button', it goes to the second activity and shows the desired book list under this category

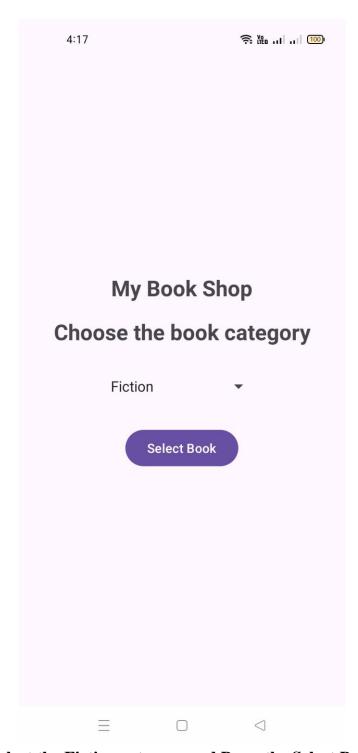


Fig-05: Select the Fiction category and Press the Select Book button



Fig 06: When I press the 'Select Book Button', it goes to the second activity and shows the desired book list under this category