# SUKKUR IBA UNIVERSITY

## MERIT – QUALITY – EXCELLENCE

## Lab handout 12

| Mobile Application Development (CSE-426), Fall 2022, BE-EE(CS)-VIII | | |
|---|---|---|
| Name: Shakir Ali | CMS ID#: 031-19-0009 | Instructor: Dr. Abdul Aziz |
| Section: A    Lab group: NA | Department: Electrical Engineering | Marks obtained    out of 100% |
| **NOTE: Must follow submission instructions** | | |

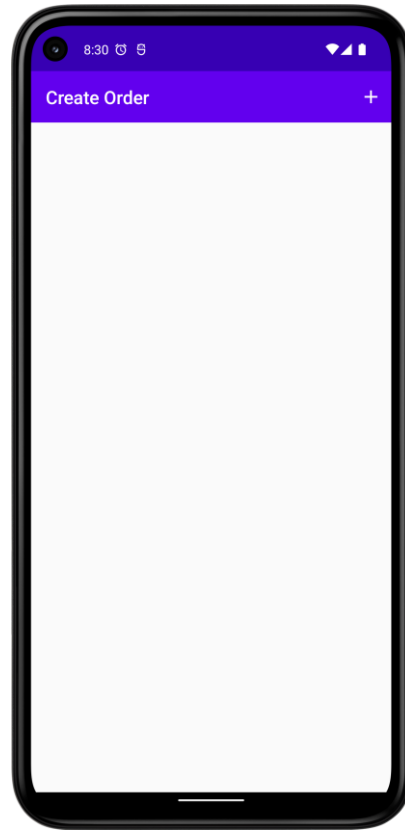## Understanding and using app bar to navigate to another activity

### Lab Exercise and Submission

**Exercise 1**

Design and develop application to demonstrate the use of application bar with "create order action" to navigate to "order activity".



Screenshot of AVD output here:

Insert XML code for layout here:

**activity_main.xml**

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:orientation="vertical"
    tools:context=".MainActivity">

    <androidx.appcompat.widget.Toolbar
        app:title="Bits and Pizzas"
        android:id="@+id/toolbar"
        android:layout_width="match_parent"
        android:layout_height="?attr/actionBarSize"
        android:background="?attr/colorPrimary"
        android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar" >

        <ImageView
            android:id="@+id/imageView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="end"
            android:paddingRight="10dp"
            android:onClick="onClickBtn"
            app:srcCompat="@drawable/ic_add_white_24dp" />
    </androidx.appcompat.widget.Toolbar>


    <TextView
        android:id="@+id/txt"
        android:layout_width="wrap_content"
```

```xml
            android:layout_height="wrap_content"
            android:text="Hello World!" />



</LinearLayout>
```

**activity_order.xml**
```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:orientation="vertical"
    tools:context=".OrderActivity">


    <androidx.appcompat.widget.Toolbar
        android:id="@+id/toolbar"
        android:layout_width="match_parent"
        android:layout_height="?attr/actionBarSize"
        android:background="?attr/colorPrimary"
        android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"
        app:title="Create Order">

        <ImageView
            android:id="@+id/imageView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="end"
            android:onClick="onClickBackBtn"
            android:paddingRight="10dp"
            app:srcCompat="@drawable/ic_add_white_24dp" />
    </androidx.appcompat.widget.Toolbar>



</LinearLayout>
```

Insert Activity code here:

**MainActivity.java**
```java
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

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

```java
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the app bar.
        getMenuInflater().inflate(R.menu.menu_main, menu);
        return super.onCreateOptionsMenu(menu);
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        switch (item.getItemId()) {
            case R.id.action_create_order:
                //Code to run when the Create Order item is clicked
                Intent intent = new Intent(this, OrderActivity.class);
                startActivity(intent);
                return true;
            default:
                return super.onOptionsItemSelected(item);
        }
    }

    public void onClickBtn(View view) {
//        TextView txt = findViewById(R.id.txt);
//        txt.setText("Clicked");
        Intent intent = new Intent(this, OrderActivity.class);
        startActivity(intent);

    }
}
```

## OrderActivity.java

```java
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.widget.Toolbar;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;

public class OrderActivity extends AppCompatActivity {

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

    }

    public void onClickBackBtn(View view) {
        Intent intent = new Intent(this, MainActivity.class);
        startActivity(intent);
    }
}
```