

Lab handout 13

Mobile Application Development (CSE-426), Fall 2022, BE-EE(CS)-VIII			
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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

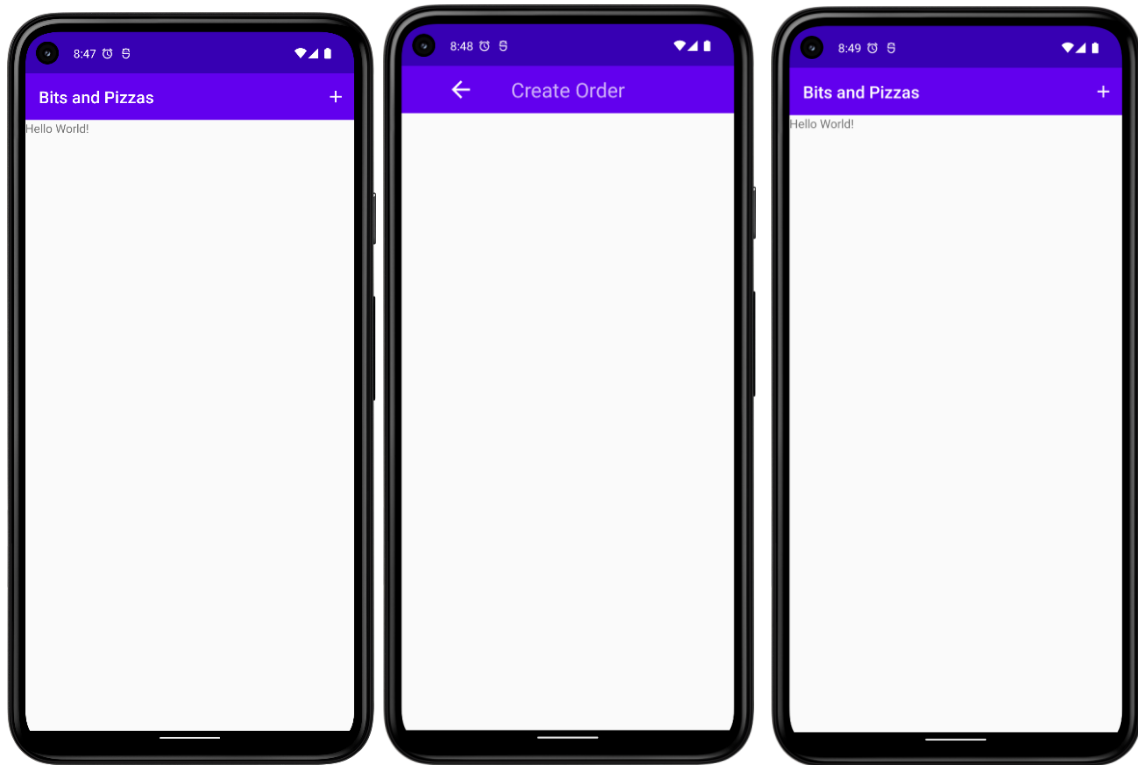
Lab Exercise and Submission

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

```
</LinearLayout>
```

activity_order.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"
        >
        <ImageView
            android:id="@+id/imageView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="start"
            android:onClick="onClickBackBtn"
            android:layout_marginLeft="0dp"
            app:srcCompat="@drawable/ic_back_white_24dp_foreground" />

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:textSize="24sp"
            android:layout_gravity="center"
            android:text="Create Order"
            >

        </TextView>
    </androidx.appcompat.widget.Toolbar>

</LinearLayout>
```

Insert Activity code here:

MainActivity.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);
}

@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

```

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);
    }
}

```