MOBILE PROGRAMMING LAB

PRACTICAL 6/7

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BATCH: A4

PRACTICAL 6

AIM:-

Demonstrate the use of Menus in an Android application.
Statement: Design a Food Ordering Application as shown below using Options Menu, Context Menu and Pop-up Menus. And perform appropriate actions by switching intents as indicated by the arrows. When the "Place Order" Button is pressed a dialog should appear which will asks for confirmation of the order.

PRACTICAL 7

AIM:-

Demonstrate the working of notifications.
In the food ordering app, when the place order button is clicked generate a notification that your food will be delivered in 30 minutes. When the notification is clicked it should go to the activity which shows the time when the order will be delivered.

AndroidManifest.xml

CODE :

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">
    <uses-permission android:name="android.permission.VIBRATE" />
    <uses-permission android:name="android.permission.RECEIVE_BOOT_COMPLETED"/>
    <uses-permission android:name="android.permission.POST_NOTIFICATIONS" />
    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.Prac5a"
        tools:targetApi="31">
```

```xml
    <activity
        android:name=".DeliveryTimeActivity"
        android:exported="false" />
    <activity
        android:name=".confirmation_dialog"
        android:exported="false" />
    <activity
        android:name=".CartActivity"
        android:exported="false" />
    <activity
        android:name=".customize"
        android:exported="false" />
    <activity
        android:name=".pastadetailsactivity"
        android:exported="false" />
    <activity
        android:name=".MainActivity"
        android:exported="true">
        <intent-filter>
            <action android:name="android.intent.action.MAIN" />
            <category android:name="android.intent.category.LAUNCHER" />
        </intent-filter>
    </activity>
    </application>
</manifest>
```

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    tools:context=".MainActivity">
    <androidx.appcompat.widget.Toolbar
        android:id="@+id/toolbar2"
        android:layout_width="match_parent"
        android:layout_height="?attr/actionBarSize"
        app:title="ZWIGATO">
        <ImageButton
            android:id="@+id/cart_button"
            android:layout_width="60dp"
            android:layout_height="60dp"
            android:layout_marginStart="160dp"
            android:src="@mipmap/cart" />
    </androidx.appcompat.widget.Toolbar>
    <ImageView
        android:id="@+id/welcome_image"
        android:layout_width="200dp"
        android:layout_height="300dp"
        android:src="@mipmap/welcome_image"
        android:layout_below="@id/toolbar2"
        android:layout_marginTop="16dp"
        android:layout_centerHorizontal="true" />
    <TextView
```

```xml
        android:id="@+id/description"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Welcome to ZWIGATO!"
        android:textSize="24sp"
        android:textStyle="bold"
        android:layout_below="@id/welcome_image"
        android:layout_marginTop="16dp"
        android:layout_centerHorizontal="true" />
    <TextView
        android:id="@+id/description1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="YOU NAME IT"
        android:textSize="18sp"
        android:textStyle="bold"
        android:layout_below="@id/description"
        android:layout_marginTop="16dp"
        android:layout_centerHorizontal="true" />
    <TextView
        android:id="@+id/description2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="WE DELIVER IT"
        android:textSize="18sp"
        android:textStyle="bold"
        android:layout_below="@id/description1"
        android:layout_marginTop="16dp"
        android:layout_centerHorizontal="true" />
</RelativeLayout>
```

MainActivity.java

```java
package com.example.prac5a;

import androidx.appcompat.app.AppCompatActivity;

import androidx.appcompat.widget.Toolbar;
import android.annotation.SuppressLint;
import android.content.Intent;
import android.view.Menu;
import android.view.MenuItem;
import android.view.SubMenu;
import android.view.View;
import android.widget.ImageButton;
import android.widget.Toast;
import android.os.Bundle;
public class MainActivity extends AppCompatActivity {
    Toolbar t;
    @SuppressLint("MissingInflatedId")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        t = findViewById(R.id.toolbar2);
        ImageButton cartButton = findViewById(R.id.cart_button);
```

```java
        setSupportActionBar(t);
        cartButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(MainActivity.this, CartActivity.class);
                startActivity(intent);
            }
        });
    }
    void create_menu(Menu menu){
        MenuItem mn1 =menu.add(0,0,0,"Pasta");
        mn1.setAlphabeticShortcut('a');
        SubMenu menu1 = menu.addSubMenu(Menu.NONE, 1, 4, "Pizza");
        menu1.add(0, 21, 1, "Veg");
        menu1.add(0, 22, 2, "Non-Veg");
    }
    private void openDetailsActivity(Class<?> cls) {
        Intent intent = new Intent(MainActivity.this, cls);
        startActivity(intent);
    }
    private boolean Menuchoice(MenuItem item){
        switch(item.getItemId()){
            case 0:
                Toast.makeText(this,"You Clicked Pasta",Toast.LENGTH_SHORT).show();
                openDetailsActivity(pastadetailsactivity.class);
                return true;
            case 21:
                Toast.makeText(this,"You Clicked Veg Pizza",Toast.LENGTH_SHORT).show();
                return true;
            case 22:
                Toast.makeText(this,"You Clicked Non-Veg Pizza",Toast.LENGTH_SHORT).show();
                return true;
            default:
                return false;
        }
    }
    @Override
    public boolean onCreateOptionsMenu(Menu menu){
        super.onCreateOptionsMenu(menu);
        create_menu(menu);
        return true;
    }
    @Override
    public boolean onOptionsItemSelected(MenuItem item){
        return Menuchoice(item);
    }
}
```

activity_pastadetailsactivity.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
```

```xml
    tools:context=".MainActivity">
    <androidx.appcompat.widget.Toolbar
        android:id="@+id/toolbar2"
        android:layout_width="match_parent"
        android:layout_height="?attr/actionBarSize"
        app:title="ZWIGATO" >
        <ImageView
            android:id="@+id/cart_button"
            android:layout_width="60dp"
            android:layout_height="60dp"
            android:layout_marginStart="160dp"
            android:src="@mipmap/cart" />
    </androidx.appcompat.widget.Toolbar>
    <RelativeLayout
        android:id="@+id/rl1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/toolbar2"
        android:layout_margin="10dp">
        <ImageButton
            android:id="@+id/whitepasta_image"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignParentStart="true"
            android:layout_marginTop="16dp"
            android:contentDescription="TODO"
            android:src="@mipmap/whitesauce" />
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="16dp"
            android:layout_toEndOf="@id/whitepasta_image"
            android:layout_alignTop="@id/whitepasta_image"
            android:textSize="18sp"
            android:textStyle="bold"
            android:text="WHITE SAUCE PASTA" />
        <TextView
            android:id="@+id/wpprice"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="16dp"
            android:layout_toEndOf="@id/whitepasta_image"
            android:textSize="12sp"
            android:textStyle="bold"
            android:layout_marginTop="42dp"
            android:text="500₹" />
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignTop="@id/whitepasta_image"
            android:layout_marginStart="17dp"
            android:layout_marginTop="44dp"
            android:layout_toEndOf="@id/whitepasta_image"
            android:textSize="18sp"
            android:textStyle="italic"
            android:text="Delicious pasta with a blend of cheesy flavors." />
```

```xml
            </RelativeLayout>
    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@id/rl1"
        android:layout_margin="10dp">
        <ImageButton
            android:id="@+id/redpasta_image"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignParentStart="true"
            android:layout_marginTop="16dp"
            android:contentDescription="TODO"
            android:src="@mipmap/redsauce" />
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="16dp"
            android:layout_toEndOf="@id/redpasta_image"
            android:layout_alignTop="@id/redpasta_image"
            android:textSize="18sp"
            android:textStyle="bold"
            android:text="RED SAUCE PASTA" />
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="16dp"
            android:layout_toEndOf="@id/redpasta_image"
            android:textSize="12sp"
            android:textStyle="bold"
            android:layout_marginTop="42dp"
            android:text="500₹" />
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignTop="@id/redpasta_image"
            android:layout_marginStart="17dp"
            android:layout_marginTop="44dp"
            android:layout_toEndOf="@id/redpasta_image"
            android:textSize="18sp"
            android:textStyle="italic"
            android:text="Delicious pasta with a blend of spicy flavors." />
    </RelativeLayout>
</RelativeLayout>
```

pastadetailsactivity.java

```java
package com.example.prac5a;
import androidx.appcompat.app.AppCompatActivity;
import android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.view.ContextMenu;
import android.view.MenuItem;
import android.view.View;
import android.widget.ImageButton;
```

```java
import android.widget.PopupMenu;
import android.widget.TextView;
import android.widget.Toast;
public class pastadetailsactivity extends AppCompatActivity {
    ImageButton whitePastaImage, redPastaImage;
TextView wpprice;
    @SuppressLint("MissingInflatedId")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_pastadetailsactivity);
        whitePastaImage = findViewById(R.id.whitepasta_image);
        redPastaImage = findViewById(R.id.redpasta_image);
        registerForContextMenu(whitePastaImage);
        redPastaImage.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                androidx.appcompat.widget.PopupMenu p = new
androidx.appcompat.widget.PopupMenu(pastadetailsactivity.this, redPastaImage);
                p.getMenuInflater().inflate(R.menu.popup_menu_add_to_cart, p.getMenu());
                p.setOnMenuItemClickListener(new
androidx.appcompat.widget.PopupMenu.OnMenuItemClickListener() {
                    @Override
                    public boolean onMenuItemClick(MenuItem item) {
                        switch (item.getTitle().toString()) {
                            case "Popupmenu Item 1":
                                Toast.makeText(pastadetailsactivity.this, "Add to Cart", Toast.LENGTH_SHORT).show();
                                return true;
                            default:
                                Toast.makeText(pastadetailsactivity.this, "Added to Cart Red Sauce Pasta",
Toast.LENGTH_SHORT).show();
                                return false;
                        }
                    }
                });
                p.show();
            }
        });
    }
    @Override
    public void onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuInfo menuInfo) {
        super.onCreateContextMenu(menu, v, menuInfo);
        menu.add(0, v.getId(), 0, "Customize");
    }
    @Override
    public boolean onContextItemSelected(MenuItem item) {
        if (item.getTitle() == "Customize") {
            customizeActivity(customize.class);
        }
        return true;
    }
    private void customizeActivity(Class<?> cls) {
        Intent intent = new Intent(pastadetailsactivity.this, cls);
        startActivity(intent);
    }
    private void showPopupMenu(View v) {
```

```java
        PopupMenu popup = new PopupMenu(this, v);
        getMenuInflater().inflate(R.menu.popup_menu_add_to_cart, popup.getMenu());
        popup.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {
            @Override
            public boolean onMenuItemClick(MenuItem item) {
                switch (item.getItemId()) {
                    case 0:
                        Toast.makeText(pastadetailsactivity.this, "Add to Cart clicked",
Toast.LENGTH_SHORT).show();
                        return true;
                    default:
                        return false;
                }
            }
        });
        popup.show();
    }
}
```

activity_customize.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    tools:context=".customize">
    <androidx.appcompat.widget.Toolbar
        android:id="@+id/toolbar2"
        android:layout_width="match_parent"
        android:layout_height="?attr/actionBarSize"
        app:title="ZWIGATO">
        <ImageView
            android:id="@+id/cart_button"
            android:layout_width="60dp"
            android:layout_height="60dp"
            android:layout_marginStart="160dp"
            android:src="@mipmap/cart" />
    </androidx.appcompat.widget.Toolbar>
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/customize"
        android:text="CUSTOMIZE"
        android:textSize="30dp"
        android:layout_below="@id/toolbar2"
        android:layout_marginTop="16dp"
        android:textAlignment="center"/>
    <TextView
    android:id="@+id/pasta_price"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Pasta Price: 500" />
    <CheckBox
```

```xml
        android:id="@+id/corn"
        android:layout_width="210dp"
        android:layout_height="wrap_content"
        android:text="Corn"
        android:layout_below="@id/customize"
        android:layout_marginTop="16dp"
        android:layout_marginStart="95dp"/>
    <CheckBox
        android:id="@+id/capsicum"
        android:layout_width="210dp"
        android:layout_height="wrap_content"
        android:text="Capsicum"
        android:layout_below="@id/customize"
        android:layout_marginTop="56dp"
        android:layout_marginStart="95dp"/>
    <CheckBox
        android:id="@+id/cheese"
        android:layout_width="210dp"
        android:layout_height="wrap_content"
        android:text="Cheese"
        android:layout_below="@id/customize"
        android:layout_marginTop="96dp"
        android:layout_marginStart="95dp"/>
    <CheckBox
        android:id="@+id/onion"
        android:layout_width="210dp"
        android:layout_height="wrap_content"
        android:text="Onion"
        android:layout_below="@id/customize"
        android:layout_marginTop="136dp"
        android:layout_marginStart="95dp"/>
    <CheckBox
        android:id="@+id/tomato"
        android:layout_width="210dp"
        android:layout_height="wrap_content"
        android:text="Tomato"
        android:layout_below="@id/customize"
        android:layout_marginTop="176dp"
        android:layout_marginStart="95dp"/>
    <Button
        android:id="@+id/button_add_to_cart"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/tomato"
        android:layout_marginTop="50dp"
        android:text="Add to Cart"
        android:layout_marginStart="100dp"/>
</RelativeLayout>
```

customize.java

```java
package com.example.prac5a;
import android.content.Intent;
import android.os.Bundle;
    import android.view.View;
    import android.widget.Button;
```

```java
    import android.widget.CheckBox;
    import android.widget.Toast;
    import androidx.appcompat.app.AppCompatActivity;
public class customize extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_customize);
        CheckBox cornCheckbox = findViewById(R.id.corn);
        CheckBox capsicumCheckbox = findViewById(R.id.capsicum);
        CheckBox cheeseCheckbox = findViewById(R.id.cheese);
        CheckBox onionCheckbox = findViewById(R.id.onion);
        CheckBox tomatoCheckbox = findViewById(R.id.tomato);
        Button addToCartButton = findViewById(R.id.button_add_to_cart);
        addToCartButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                StringBuilder selectedToppings = new StringBuilder();

                if (cornCheckbox.isChecked()) {
                    selectedToppings.append("Corn, ");
                }
                if (capsicumCheckbox.isChecked()) {
                    selectedToppings.append("Capsicum, ");
                }
                if (cheeseCheckbox.isChecked()) {
                    selectedToppings.append("Cheese, ");
                }
                if (onionCheckbox.isChecked()) {
                    selectedToppings.append("Onion, ");
                }
                if (tomatoCheckbox.isChecked()) {
                    selectedToppings.append("Tomatoes, ");
                }
                String selectedToppingsText = selectedToppings.toString().trim();
                if (!selectedToppingsText.isEmpty()) {
                    selectedToppingsText = selectedToppingsText.substring(0, selectedToppingsText.length() - 2);
                    Toast.makeText(customize.this, "Selected Toppings: " + selectedToppingsText,
Toast.LENGTH_SHORT).show();
                } else {
                    Toast.makeText(customize.this, "No toppings selected", Toast.LENGTH_SHORT).show();
                }
                Intent intent = new Intent(customize.this, CartActivity.class);
                intent.putExtra("white_pasta_price", "500₹");
                intent.putExtra("selected_toppings", selectedToppingsText);
                startActivity(intent);
            }
        });
    }
}
```

activity_cart.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
```

```xml
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".CartActivity">

    <androidx.appcompat.widget.Toolbar
        android:id="@+id/toolbar2"
        android:layout_width="match_parent"
        android:layout_height="?attr/actionBarSize"
        app:title="ZWIGATO" >
        <ImageView
            android:id="@+id/cart_button"
            android:layout_width="60dp"
            android:layout_height="60dp"
            android:layout_marginStart="160dp"
            android:src="@mipmap/cart" />
    </androidx.appcompat.widget.Toolbar>

    <androidx.appcompat.widget.Toolbar
        android:id="@+id/toolbar_cart"
        android:layout_width="match_parent"
        android:layout_height="?attr/actionBarSize"
        app:title="White Pasta Ordered"
        android:layout_below="@+id/toolbar2">
    </androidx.appcompat.widget.Toolbar>
    <TextView
        android:id="@+id/selected_toppings_text_view"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="20dp"
        android:layout_marginTop="140dp"
        android:text="Selected Toppings:"
        android:textSize="18sp"
        android:textStyle="bold" />
    <TextView
        android:id="@+id/total_text_view"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Total :"
        android:textSize="18sp"
        android:textStyle="bold"
        android:layout_marginTop="200dp"
        android:layout_marginStart="20dp"/>
    <Button
        android:id="@+id/po"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Place Order"
        android:layout_marginTop="300dp"
        android:layout_centerInParent="true"/>
</RelativeLayout>
```

CartActivity.java

```java
package com.example.prac5a;
import androidx.appcompat.app.AppCompatActivity;
```

```java
import androidx.core.app.NotificationCompat;
import android.annotation.SuppressLint;
import android.app.Dialog;
import android.app.NotificationChannel;
import android.app.NotificationManager;
import android.app.PendingIntent;
import android.content.Intent;
import android.os.Build;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;
public class CartActivity extends AppCompatActivity{
Button b;
    private NotificationManager mManager;
    private static final String CHANNEL_ID = "ABCD";
    private static final String CHANNEL_NAME = "Notification";
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_cart);
        @SuppressLint("WrongViewCast") androidx.appcompat.widget.Toolbar toolbar =
findViewById(R.id.toolbar_cart);
        setSupportActionBar(toolbar);
        String selectedToppings = getIntent().getStringExtra("selected_toppings");
        TextView selectedToppingsTextView = findViewById(R.id.selected_toppings_text_view);
        selectedToppingsTextView.setText(selectedToppings);
        String whitePastaPrice = getIntent().getStringExtra("white_pasta_price");
        TextView totalTextView = findViewById(R.id.total_text_view);
        int whitePastaPriceInt = Integer.parseInt(whitePastaPrice.replace("₹", "").trim());
        int total = whitePastaPriceInt;
        totalTextView.setText("Total: " + total + "₹");
        Button po = findViewById(R.id.po);
        po.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                showConfirmationDialog();
            }
        });
        if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.O) {
            NotificationChannel channel = new NotificationChannel(CHANNEL_ID, CHANNEL_NAME,
NotificationManager.IMPORTANCE_DEFAULT);
            mManager = getSystemService(NotificationManager.class);
            mManager.createNotificationChannel(channel);
        }
    }
    private void showConfirmationDialog() {
        Dialog dialog = new Dialog(this);
        dialog.setContentView(R.layout.activity_confirmation_dialog);
        Button confirmButton = dialog.findViewById(R.id.confirm_button);
        confirmButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(CartActivity.this, "Your order has been placed!", Toast.LENGTH_SHORT).show();
                sendNotification();
```

```
            dialog.dismiss();
        }
    });
    Button cancelButton = dialog.findViewById(R.id.cancel_button);
    cancelButton.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            dialog.dismiss();
        }
    });
    dialog.show();
}
private void sendNotification() {
    NotificationCompat.Builder builder = new NotificationCompat.Builder(this, CHANNEL_ID)
            .setSmallIcon(R.drawable.ic_stat_name)
            .setContentTitle("Zwigato")
            .setContentText("Your food will be delivered in 30 minutes.")
            .setPriority(NotificationCompat.PRIORITY_DEFAULT)
            .setAutoCancel(true);
    Intent intent = new Intent(this, DeliveryTimeActivity.class);
    intent.setFlags(Intent.FLAG_ACTIVITY_NEW_TASK | Intent.FLAG_ACTIVITY_CLEAR_TASK);
    PendingIntent pendingIntent = PendingIntent.getActivity(this, 0, intent,
PendingIntent.FLAG_IMMUTABLE);
    builder.setContentIntent(pendingIntent);
    mManager.notify(0, builder.build());
}
}
```

activity_confirmation_dialog.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:padding="16dp">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Confirm Order"
        android:textSize="18sp"
        android:textStyle="bold"
        android:layout_gravity="center" />
    <Button
        android:id="@+id/confirm_button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Confirm"
        android:layout_gravity="center"
        android:layout_marginTop="8dp"/>
    <Button
        android:id="@+id/cancel_button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Cancel"
        android:layout_gravity="center"
```

```
        android:layout_marginTop="8dp"/>
</LinearLayout>
```

confirmation_dialog.java

```java
package com.example.prac5a;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class confirmation_dialog extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_confirmation_dialog);
    }
}
```

activity_delivery_time.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp"
    tools:context=".DeliveryTimeActivity">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Estimated Delivery Time"
        android:textSize="24sp"
        android:textStyle="bold"
        android:layout_gravity="center" />
    <TextView
        android:id="@+id/delivery_time_text"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="18sp"
        android:layout_gravity="center"
        android:layout_marginTop="16dp" />
</LinearLayout>
```

DeliveryTimeActivity.java

```java
package com.example.prac5a;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;
public class DeliveryTimeActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_delivery_time);
        TextView deliveryTimeTextView = findViewById(R.id.delivery_time_text);
        String estimatedDeliveryTime = "30 minutes";
        deliveryTimeTextView.setText("Estimated Delivery Time: " + estimatedDeliveryTime);
    }
}
```

Pasta Price: 500
ZWIGATO

CUSTOMIZE

- ☑ Corn
- ☑ Capsicum
- ☑ Cheese
- ☑ Onion
- ☐ Tomato

Add to Cart

ZWIGATO

White Pasta Ordered

Corn, Capsicum, Cheese, Onio

Total: 500₹

Place Order

Selected Toppings: Corn, Capsicum, Cheese, Onio

ZWIGATO

White Pasta Ordered

Corn, Capsicum, Cheese, Onio

Total: 500₹

Confirm Order

Confirm

Cancel

12:35
Wed, 8 Nov

prac5a 12:34
Zwigato
Your food will be delivered in 30 minutes.

Secure Folder locked.
Unlock your Secure Folder to get notificati..

Transferring media files via USB

Notification settings   Clear

JIO 4G|Jio | JIO 4G|Jio

Estimated Delivery Time

Estimated Delivery Time: 30 minutes