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Batch: 2

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Subject: Mobile Application Development

Assignment 8

Problem Statement:Implement an application that makes use of navigation drawer.

Activity_main.xml:

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.drawerlayout.widget.DrawerLayout
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:id="@+id/main"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
  tools:context=".MainActivity">

  <androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <include
      android:id="@+id/toolbar"
      layout="@layout/toolbar"
      app:layout_constraintStart_toStartOf="parent"
      app:layout_constraintTop_toTopOf="parent" />

    <TextView
      android:id="@+id/textView"
      android:layout_width="170dp"
      android:layout_height="79dp"
      android:text="Hello World!"
      app:layout_constraintBottom_toBottomOf="parent"
      app:layout_constraintEnd_toEndOf="parent"
```

```
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="4dp"
        android:layout_marginEnd="30dp"
        android:text="Button"
        app:layout_constraintEnd_toEndOf="@+id/textView"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

    <EditText
        android:id="@+id/editTextText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="180dp"
        android:ems="10"
        android:hint="mo no"
        android:inputType="text"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.402"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

  </androidx.constraintlayout.widget.ConstraintLayout>

  <com.google.android.material.navigation.NavigationView
      android:layout_width="wrap_content"
      android:layout_height="match_parent"
      android:layout_gravity="start"
      app:menu="@menu/item" />

</androidx.drawerlayout.widget.DrawerLayout>

TOOLBAR.xml: <?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
<item
    android:id="@+id/item1"
    android:title="logOut"/>
    <item
      android:id="@+id/item2"
      android:title="login"/>
```

```xml
    <item
        android:id="@+id/item3"
        android:title="contact us"/>
    <item
        android:id="@+id/item4"
        android:title="about us"/>
    <item
        android:id="@+id/item5"
        android:title="document"/>
    <item
        android:id="@+id/item6"
        android:title="Mysql"/>
</menu>
```

Strings.xml: <resources>
```xml
    <string name="app_name">NavigationDrawer1</string>
    <string name="nav_open">Open</string>
    <string name="nav_close">Close</string>

</resources>
```

MainActivity.java: package com.example.navigationdrawer1;

```java
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.drawerlayout.widget.DrawerLayout;
import androidx.appcompat.app.ActionBarDrawerToggle;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

import java.util.Objects;

public class MainActivity extends AppCompatActivity {
    public DrawerLayout drawerLayout;
    public ActionBarDrawerToggle actionBarDrawerToggle;
```

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

        drawerLayout = findViewById(R.id.main);
        actionBarDrawerToggle = new ActionBarDrawerToggle(this, drawerLayout, R.string.nav_open,
R.string.nav_close);
        drawerLayout.addDrawerListener(actionBarDrawerToggle);

        // Set support action bar
        setSupportActionBar(findViewById(R.id.toolbar)); // Replace R.id.toolbar with your actual
toolbar ID

        // Set navigation drawer icon to appear on the action bar
        Objects.requireNonNull(getSupportActionBar()).setDisplayHomeAsUpEnabled(true);
        getSupportActionBar().setHomeButtonEnabled(true);

        // Synchronize the state of the ActionBarDrawerToggle
        actionBarDrawerToggle.syncState();
        editText=findViewById(R.id.editTextText);
findViewById(R.id.button).setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        String phone_number = editText.getText().toString();

        // Check if the phone number is not empty
        if (!phone_number.isEmpty()) {
            // Prepend "tel:" to create a valid URI
            Uri uri = Uri.parse("tel:" + phone_number);

            Intent intent = new Intent(Intent.ACTION_CALL,uri);
            // Start the intent
                startActivity(intent);



        }
    }
});
        // Apply edge-to-edge navigation bar
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
```
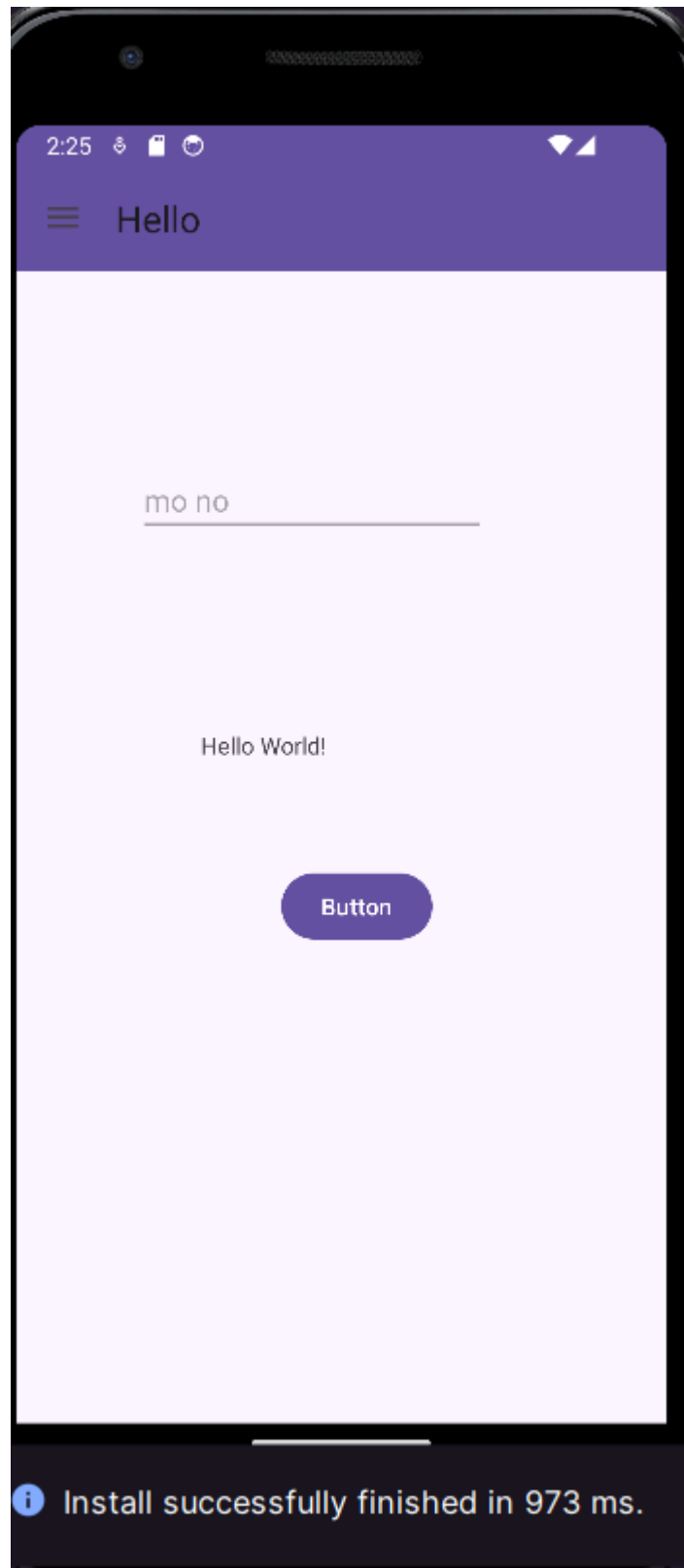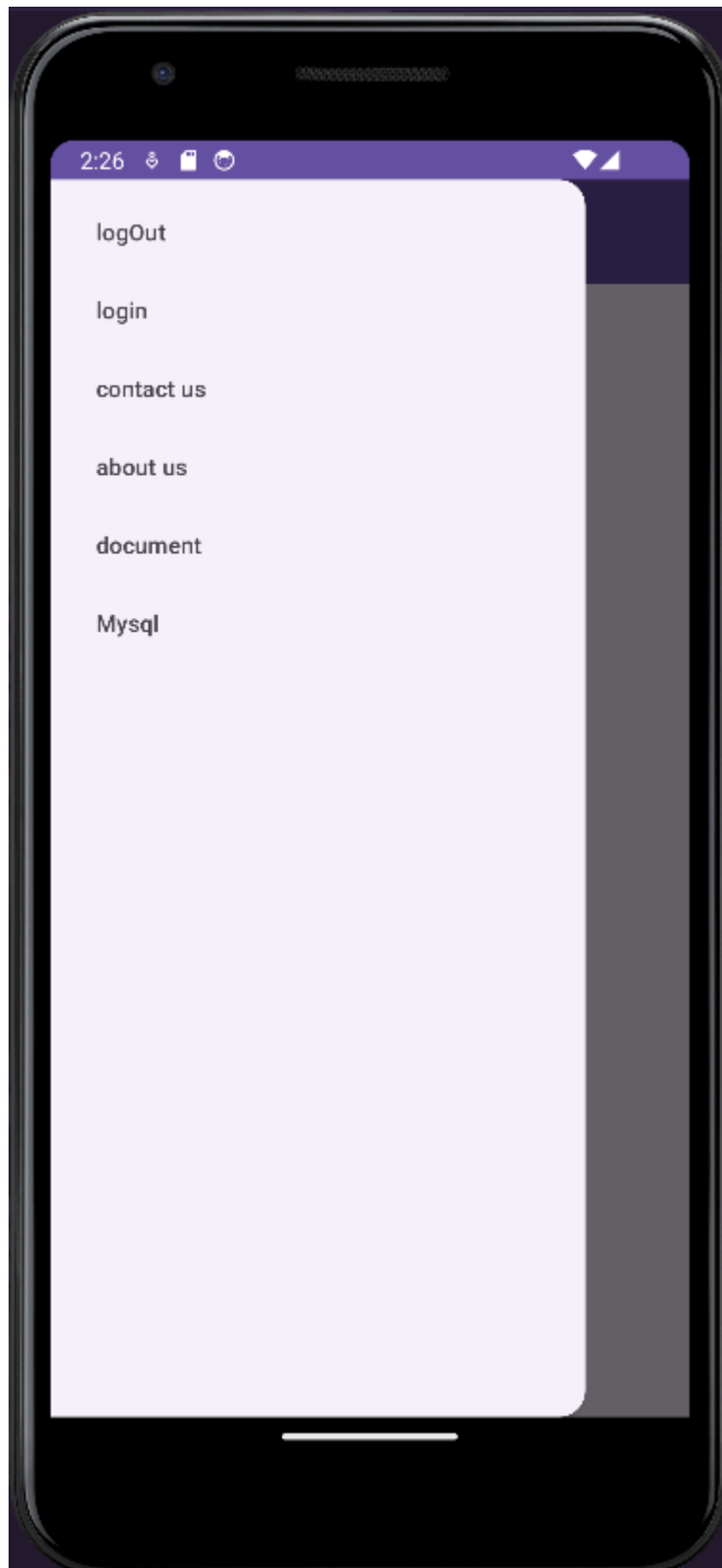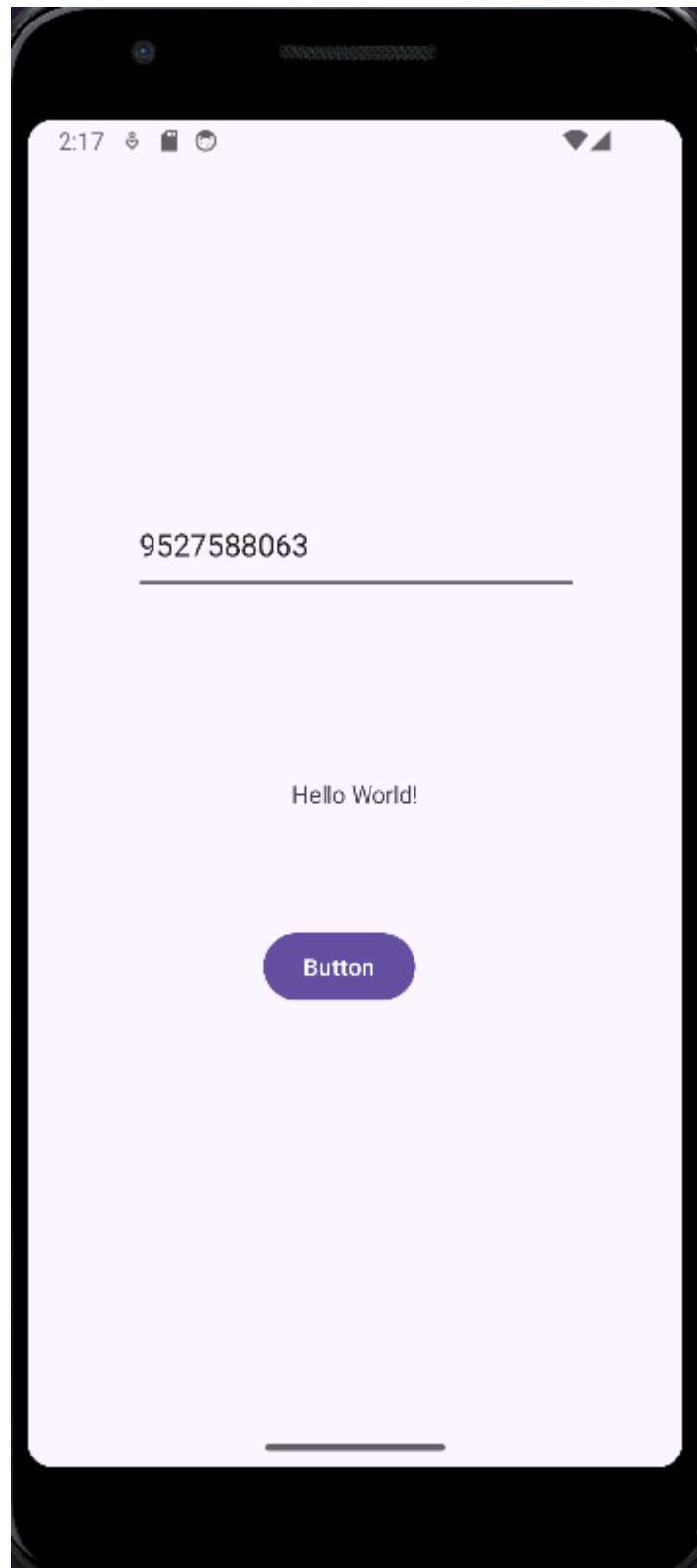
4

```java
        Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
        v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
        return insets;
    });
}




@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    if (actionBarDrawerToggle.onOptionsItemSelected(item)) {

        return true;
    }
    return super.onOptionsItemSelected(item);
}
}
```
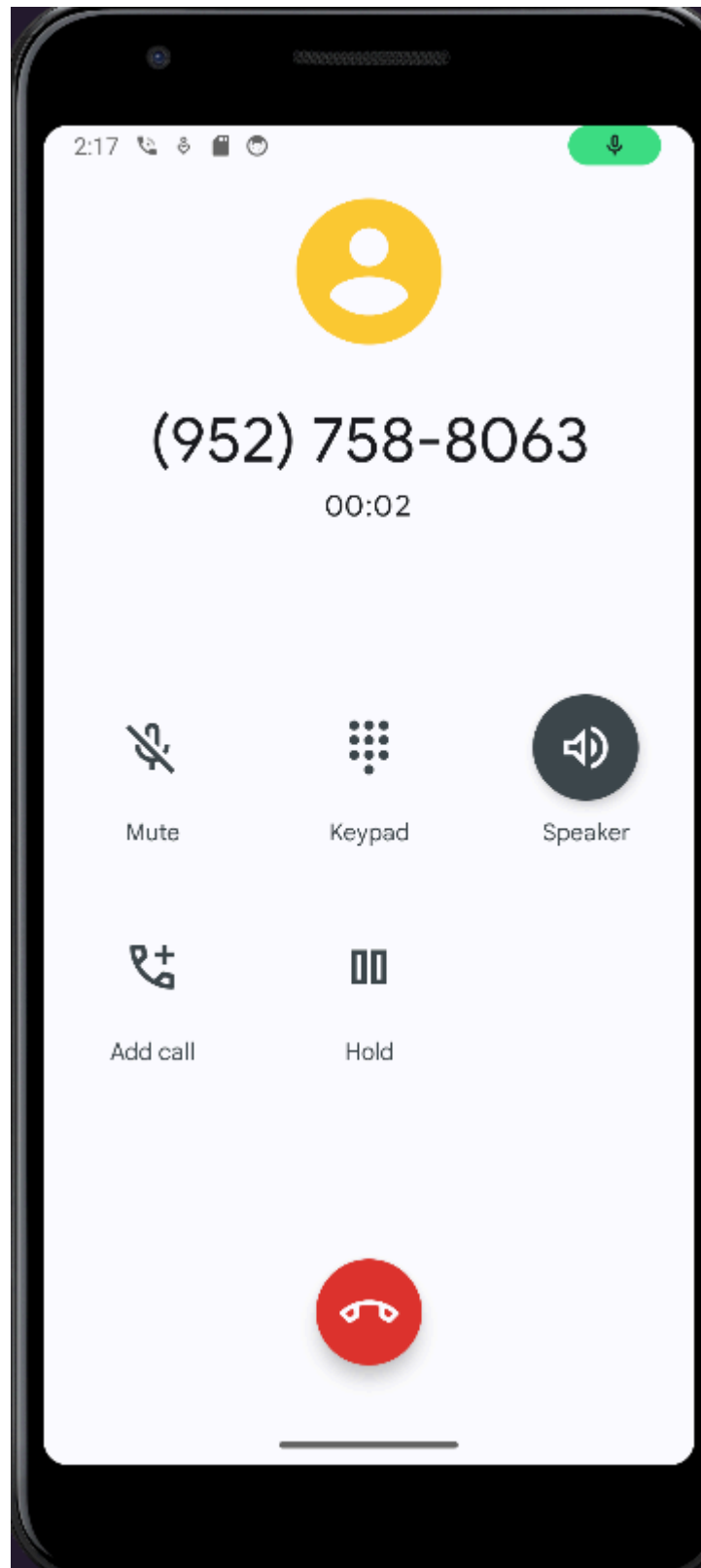
`out>` **ScreenShot of app:**