Mobile Technologies and Application Development
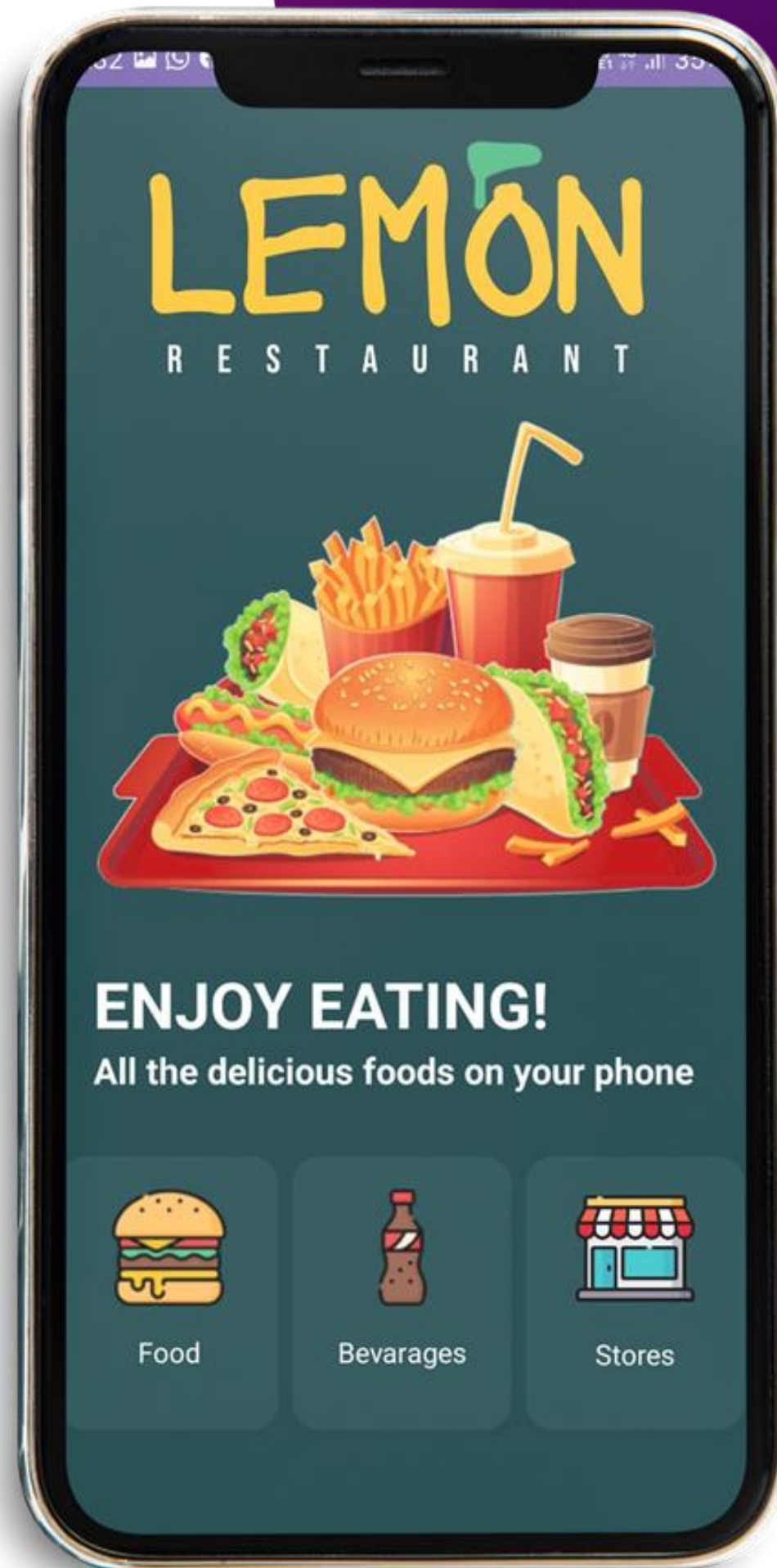
Group Assignment I

First Look of LEMON

```java
package com.example.food_app_v_3;

import androidx.appcompat.app.AppCompatActivity;
import androidx.constraintlayout.widget.ConstraintLayout;

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

5 usages
public class MainActivity extends AppCompatActivity {

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

        ConstraintLayout btn1 = findViewById(R.id.Btn1);
        btn1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                startActivity(new Intent( packageContext: MainActivity.this,FoodItemView.class));
            }
        });
        ConstraintLayout btn2 = findViewById(R.id.btn2);
        btn2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                startActivity(new Intent( packageContext: MainActivity.this,DrinkItemView.class));
            }
        });
        ConstraintLayout btn3 = findViewById(R.id.btn3);
        btn3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                startActivity(new Intent( packageContext: MainActivity.this,StroesView.class));
            }
        });


    }
}
```
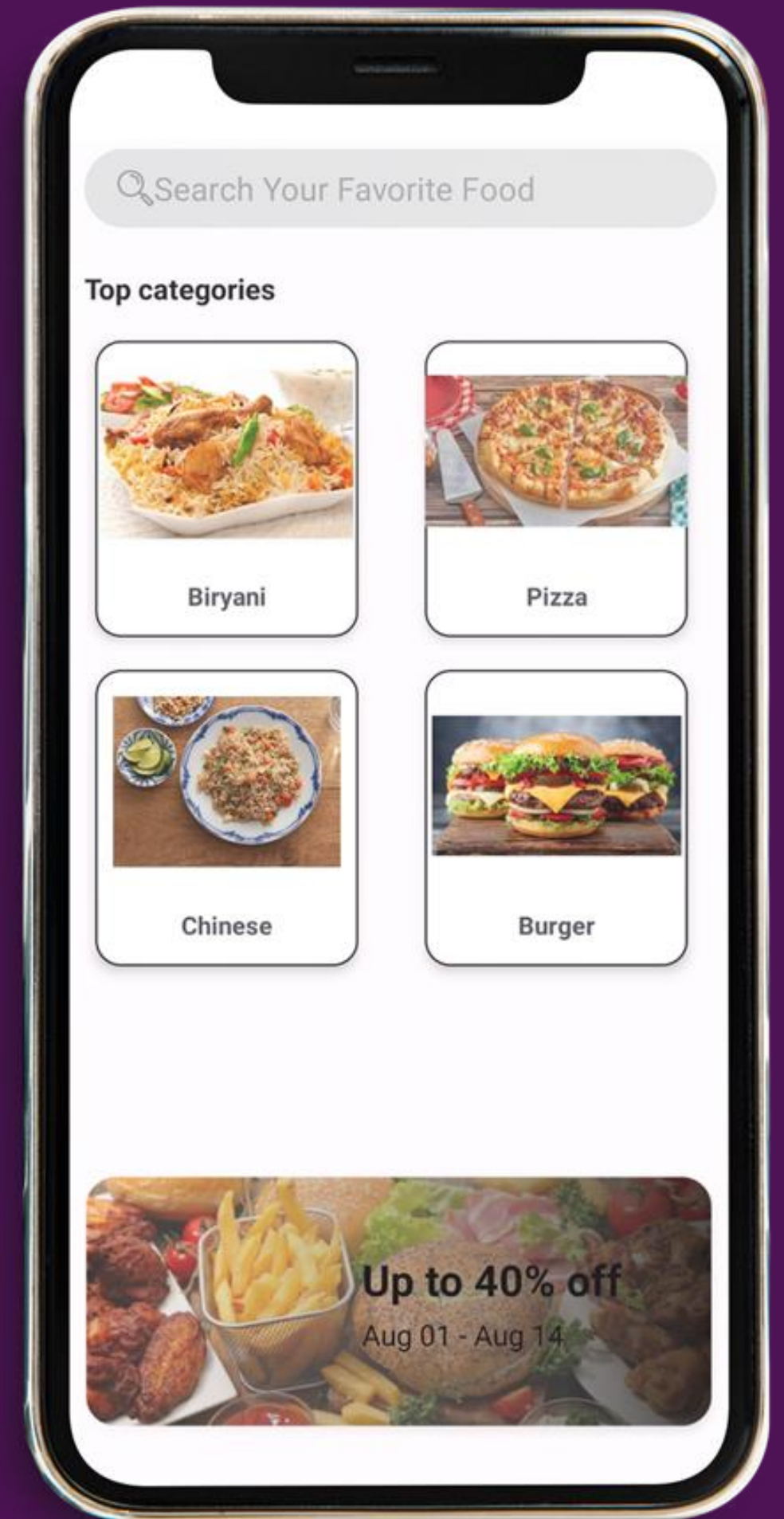
If you choose
FOOD

```java
package com.example.food_app_v_3;

import ...

7 usages
public class FoodItemView extends AppCompatActivity {

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

        ConstraintLayout btnOf1 = findViewById(R.id.btn_f_1);
        btnOf1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                startActivity(new Intent( packageContext: FoodItemView.this, BiriyaniFull.class));
            }
        });
        ConstraintLayout btnOf2 = findViewById(R.id.btn_f_2);
        btnOf2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                startActivity(new Intent( packageContext: FoodItemView.this, PizzaFull.class));
            }
        });
        ConstraintLayout btnOf3 = findViewById(R.id.btn_f_3);
        btnOf3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                startActivity(new Intent( packageContext: FoodItemView.this, ChineseFull.class));
            }
        });
        ConstraintLayout btnOf4 = findViewById(R.id.btn_f_4);
        btnOf4.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                startActivity(new Intent( packageContext: FoodItemView.this, BurgerFull.class));
            }
        });
    }
}
```

Fried Rice

Chicken | Mixed | Seafood

Chicken Fried Rice ✓

Mixed Fried Rice ✓

Seafood Fried Rice ✓

Pizza

Papporoni Checken Pizza | Chicken Tandoori Pizza

Papporoni Checken Pizza ✓

Chicken Tandoori Pizza ✓

Biriyani

North Indian traditional biriyani | Chicken Masala | Thadoori Chicken | Egg

Chicken Biriyani
1200LKR ✓

Egg Biriyani
1000LKR ✓

Burger

Crispy Chicken Burger | BBQ Chicken Burger | Cheese and Chicken Burger

Crispy Chicken Burger
650LKR ✓

BBQ Chicken Burger
750LKR ✓

Cheese and Chicken Burger
900LKR ✓

```java
package com.example.food_app_v_3.Foods;

import ...

5 usages
public class BurgerFull extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_burger_full);
    }
}
```
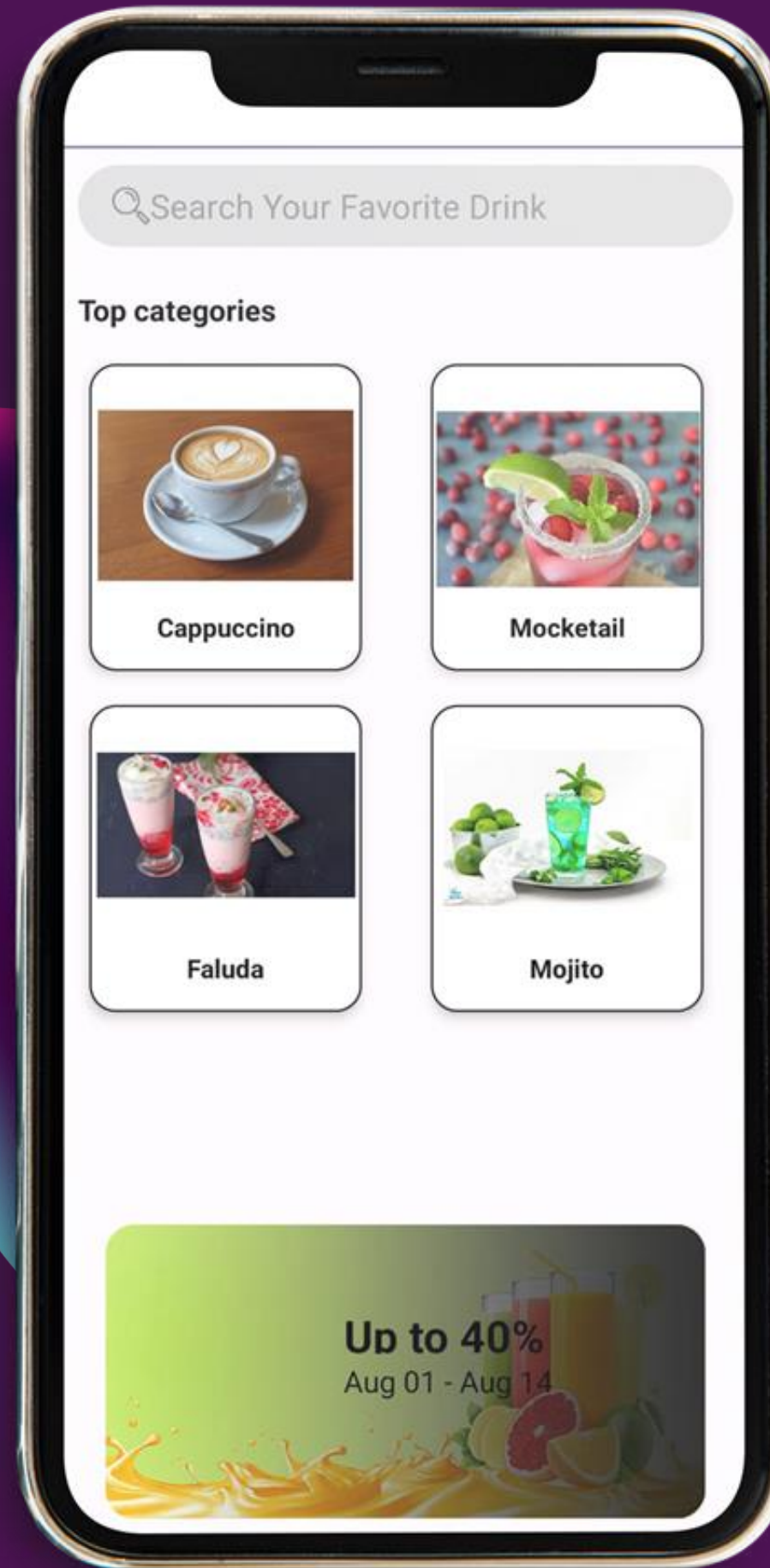
```java
package com.example.food_app_v_3.Foods;

import ...

5 usages
public class BiriyaniFull extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_biriyani_full);
    }
}
```
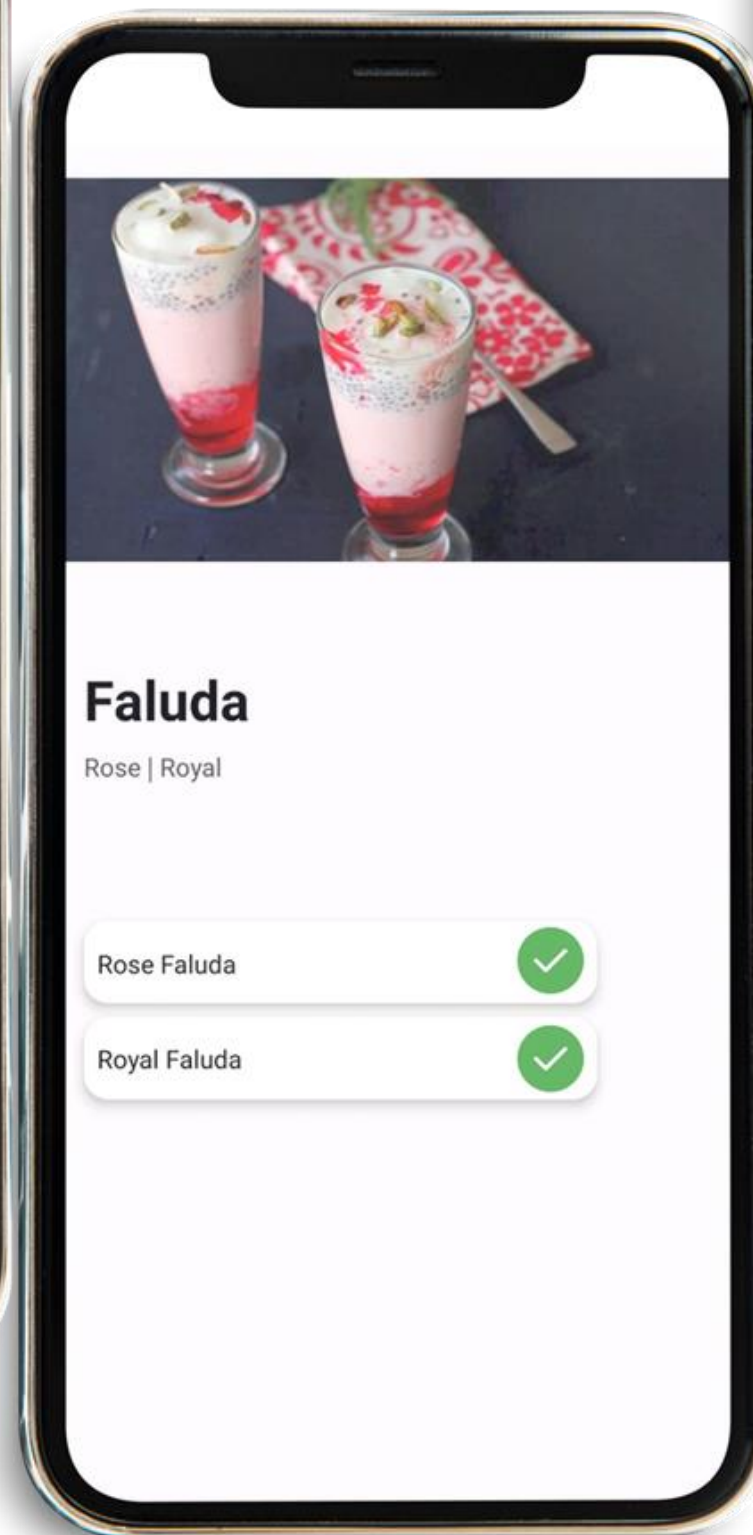
```java
package com.example.food_app_v_3;

import ...

7 usages
public class DrinkItemView extends AppCompatActivity {

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



        ConstraintLayout btnOf1 = findViewById(R.id.btn_f_1);
        btnOf1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                startActivity(new Intent( packageContext: DrinkItemView.this, CappuccinoFull.class));
            }
        });
        ConstraintLayout btnOf2 = findViewById(R.id.btn_f_2);
        btnOf2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                startActivity(new Intent( packageContext: DrinkItemView.this, MoketailFull.class));
            }
        });
        ConstraintLayout btnOf3 = findViewById(R.id.btn_f_3);
        btnOf3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                startActivity(new Intent( packageContext: DrinkItemView.this, FaludaFull.class));
            }
        });
        ConstraintLayout btnOf4 = findViewById(R.id.btn_f_4);
        btnOf4.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                startActivity(new Intent( packageContext: DrinkItemView.this, MojitoFull.class));
            }
        });
    }
}
```

Mocketail

Lime and MInt | Strawberry

Lime and Mint ✓

Strawberry ✓

Mojito

Lime and Mint | Blue Lagoon

Lime and Mint ✓

Blue Lagoon ✓

Faluda

Rose | Royal

Rose Faluda ✓

Royal Faluda ✓

Cappuccino

Americano | Cappuccino | Expresso | Latte

Americano ✓

Cappuccino ✓

Expresso ✓

Latte ✓

```java
package com.example.food_app_v_3.Drinks;

import ...


4 usages
public class FaludaFull extends AppCompatActivity {


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

```java
1   package com.example.food_app_v_3.Drinks;

2

3   import ...

8

    4 usages
9   public class CappuccinoFull extends AppCompatActivity {

10

11      @Override
12      protected void onCreate(Bundle savedInstanceState) {
13          super.onCreate(savedInstanceState);
14          setContentView(R.layout.activity_cappuccino_full);
15      }
16  }
```
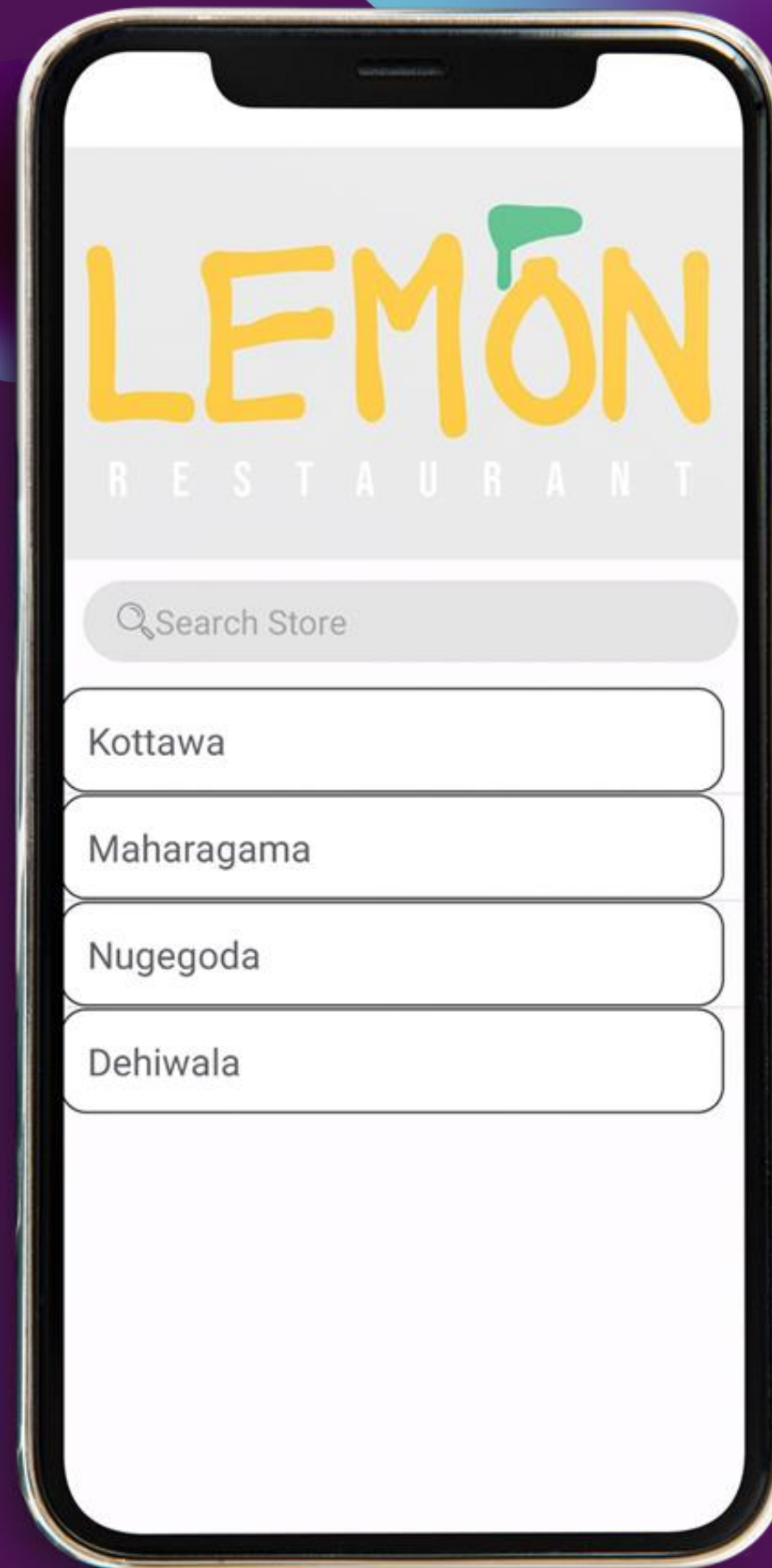
```java
package com.example.food_app_v_3;

import ...



3 usages
public class StroesView extends AppCompatActivity {

    4 usages
    ListView listView;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_stroes_view);


        //Store Locations
        String[] SLocation = {"Kottawa","Maharagama","Nugegoda","Dehiwala"};


        ListAdapter listAdapter = new ArrayAdapter<String>( context: this,R.layout.list_item,SLocation);
        listView = findViewById(R.id.list_view);
        listView.setAdapter(listAdapter);


        listView.setOnItemClickListener(new OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
                String S_L = listView.getAdapter().getItem(position).toString();
                Intent intent = new Intent(getApplicationContext(),StoreDetails.class);
                intent.putExtra( name: "Location",S_L);
                startActivity(intent);
            }
        });
    }


}
```
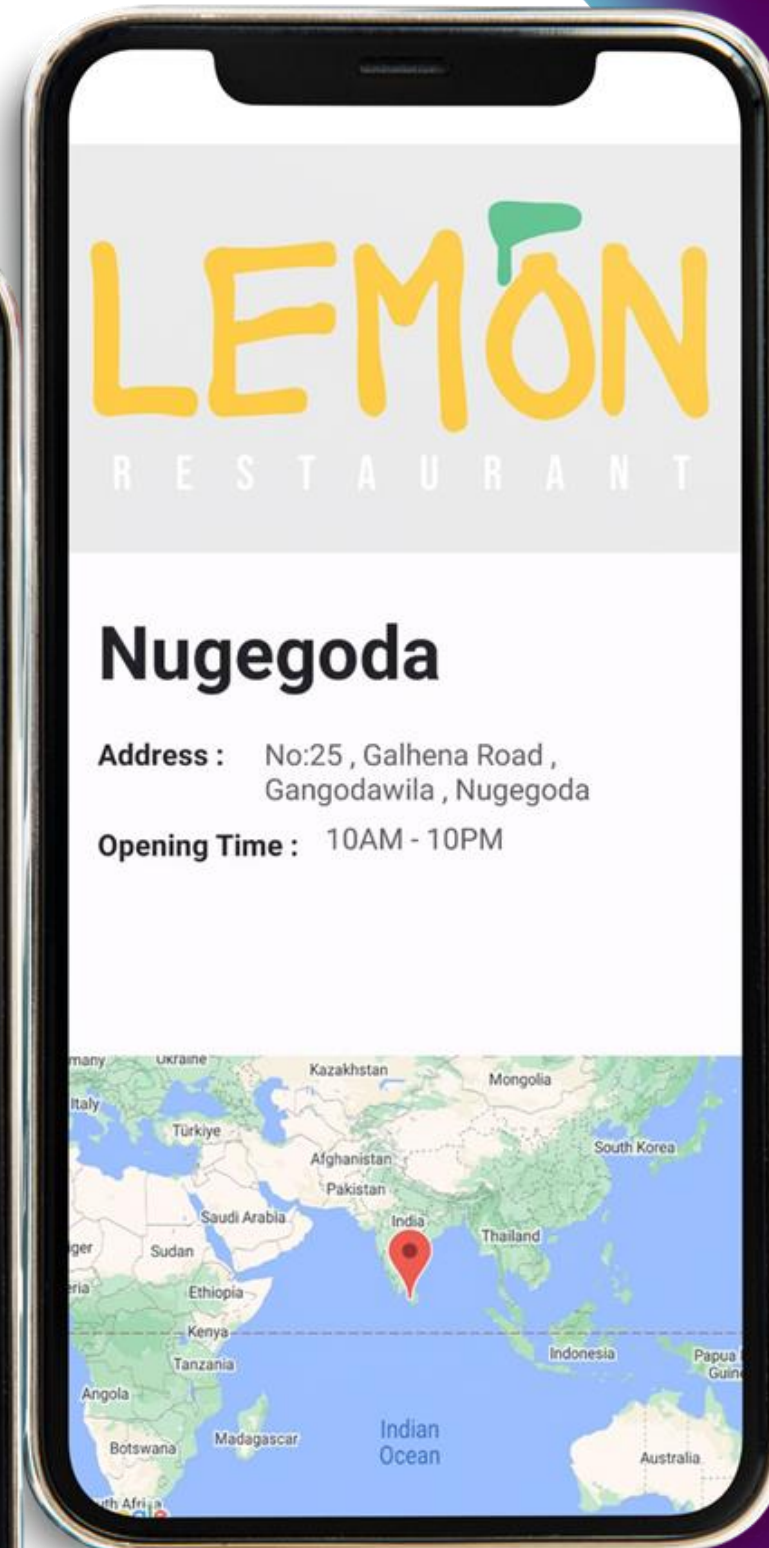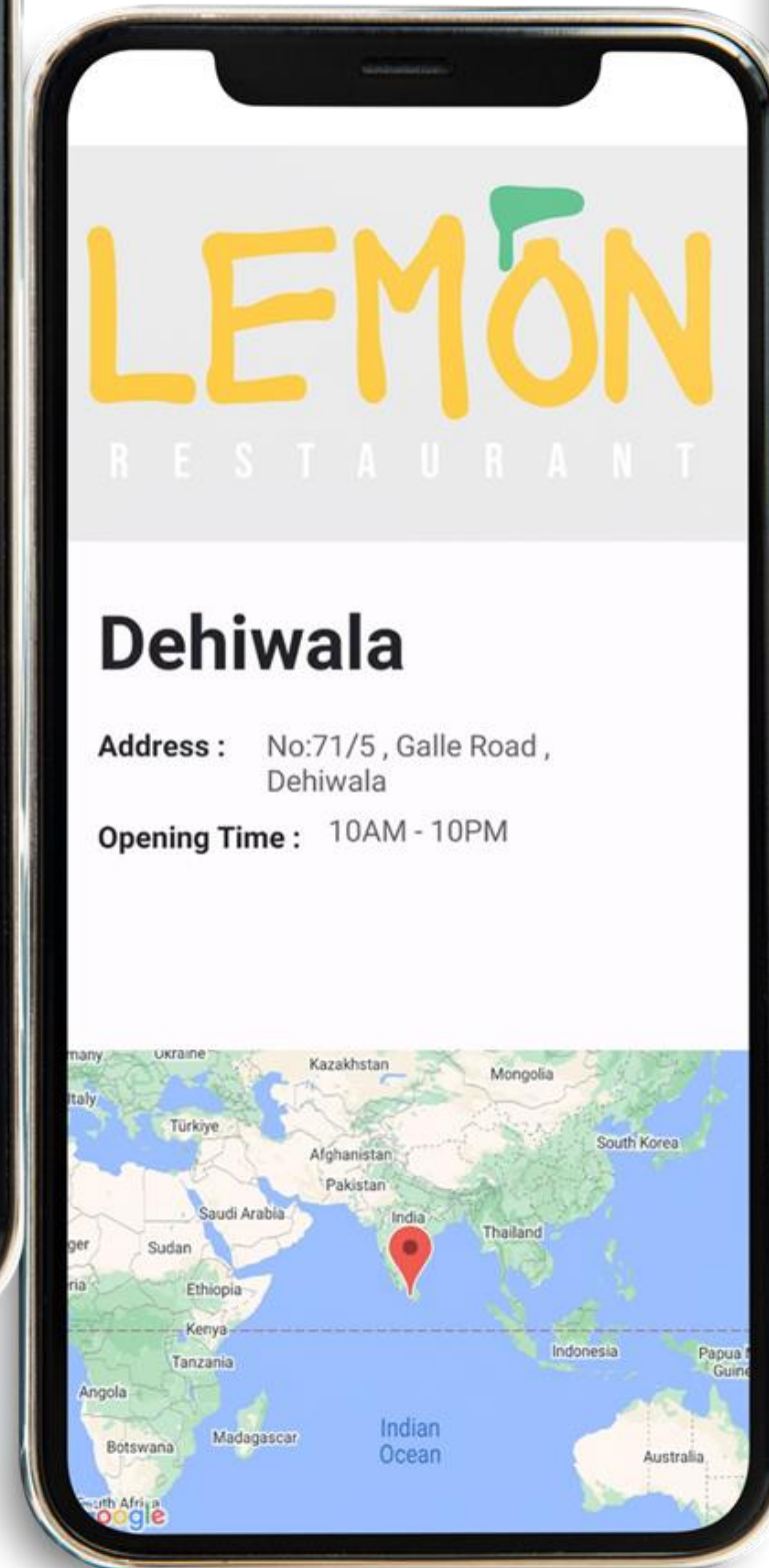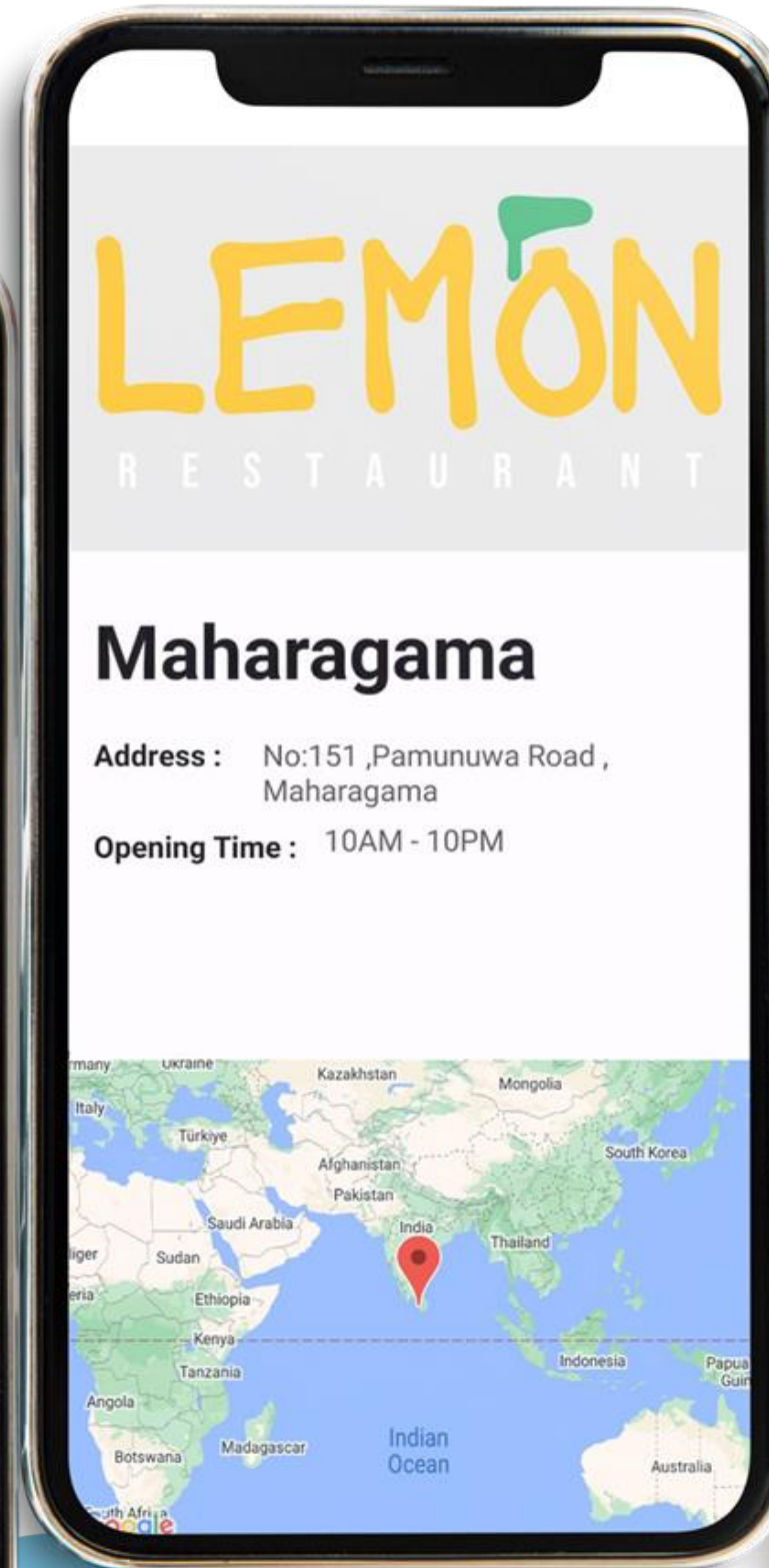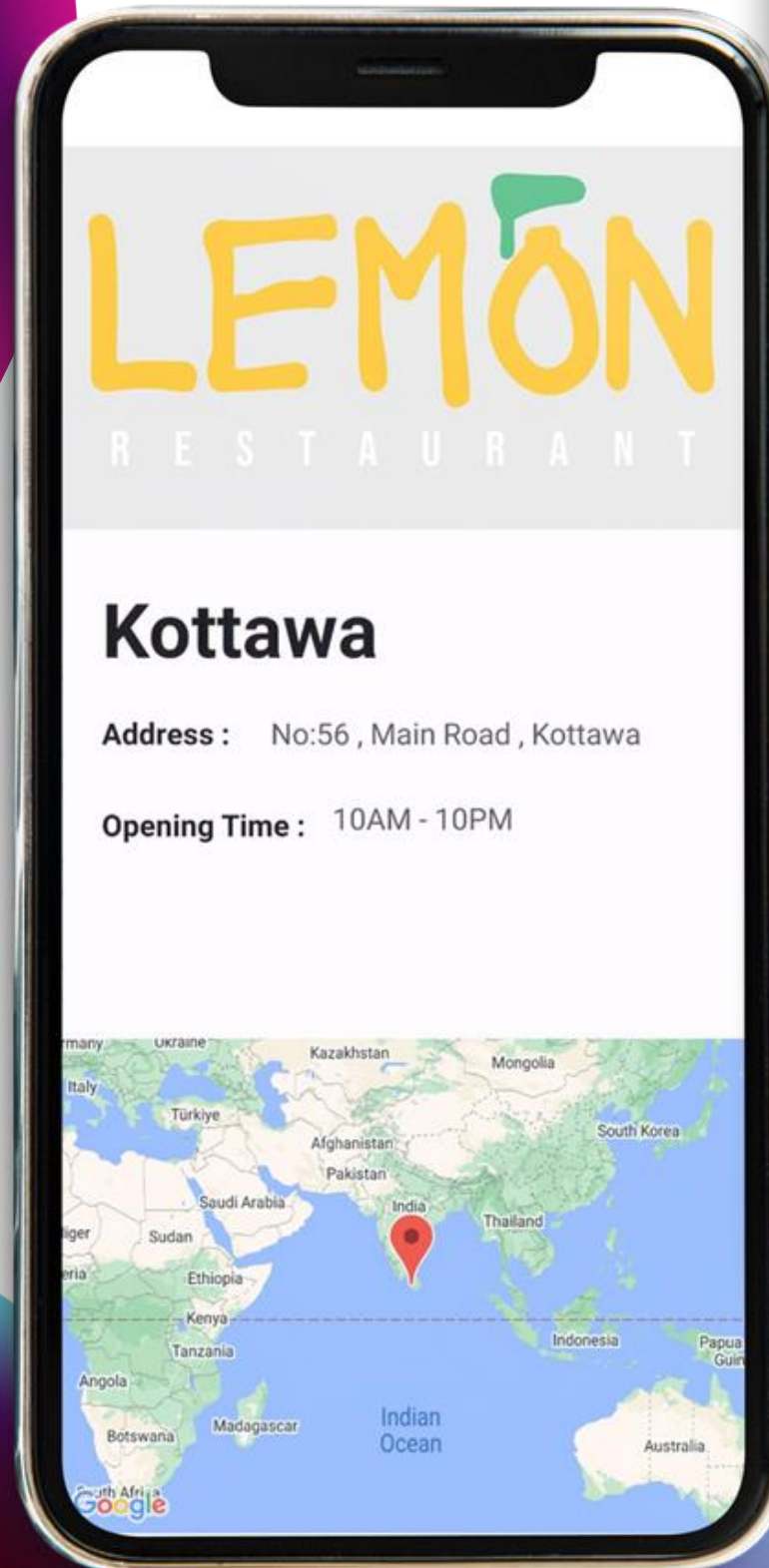
```java
@SuppressLint({"MissingInflatedId", "SetTextI18n"})
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_store_details);

    txt_1 = findViewById(R.id.txt01);
    txt_2 = findViewById(R.id.txt02);
    txt_3 = findViewById(R.id.txt03);
    txt_1.setText(getIntent().getExtras().getString( key: "Location"));

    if(String.valueOf(getIntent().getExtras().getString( key: "Location")).equals("Kottawa")){
        txt_2.setText("No:56 , Main Road , Kottawa");
        txt_3.setText("10AM - 10PM");
        lat = 6.8412;lng = 79.9654;
    } else if (String.valueOf(getIntent().getExtras().getString( key: "Location")).equals("Maharagama")) {
        txt_2.setText("No:151 ,Pamunuwa Road , Maharagama");
        txt_3.setText("10AM - 10PM");
        lat = 6.8511;lng = 79.9212;
    } else if (String.valueOf(getIntent().getExtras().getString( key: "Location")).equals("Nugegoda")) {
        txt_2.setText("No:25 , Galhena Road , Gangodawila , Nugegoda");
        txt_3.setText("10AM - 10PM");
        lat = 6.8649;lng = 79.8997;
    } else if (String.valueOf(getIntent().getExtras().getString( key: "Location")).equals("Dehiwala")) {
        txt_2.setText("No:71/5 , Galle Road , Dehiwala ");
        txt_3.setText("10AM - 10PM");
        lat = 6.8559;lng = 79.8630;
    }else {
        txt_2.setText("Error_code0006");
        txt_3.setText("Error_code0007");;
    }
```

```java
package com.example.food_app_v_3;

import ...

3 usages
public class StoreDetails extends AppCompatActivity implements OnMapReadyCallback {

    2 usages
    TextView txt_1;
    6 usages
    TextView txt_2;
    6 usages
    TextView txt_3;
    3 usages
    GoogleMap myMap;
    5 usages
    double lat;
    5 usages
    double lng;
    2 usages
    String L_Name;
```

```groovy
    implementation 'com.google.android.gms:play-services-maps:18.1.0'
    implementation 'com.google.android.gms:play-services-location:21.0.1'
```

```xml
        <meta-data
            android:name="com.google.android.geo.API_KEY"
            android:value="AIzaSyCi0a_kdgawi-sZukIySqzgeHAjGytgEKo" />
```

```java
        SupportMapFragment mapFragment = (SupportMapFragment) getSupportFragmentManager().findFragmentById(R.id.map2);
        mapFragment.getMapAsync( callback: this);
    }

    @Override
    public void onMapReady(@NonNull GoogleMap googleMap) {
        myMap = googleMap;
        L_Name = String.valueOf(getIntent().getExtras().getString( key: "Location"));


        LatLng Location = new LatLng(lat, lng);

        myMap.addMarker(new MarkerOptions().position(Location).title(L_Name));
        myMap.moveCamera(CameraUpdateFactory.newLatLng(Location));


    }
```

Thank You!