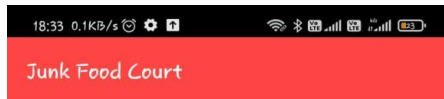Name   : Shivam Tyagi
Reg no. : 2047122
Course : Mobile Applications LAB10
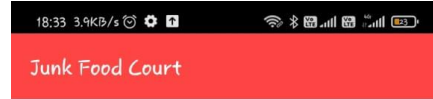
1.   UI

2.   UI

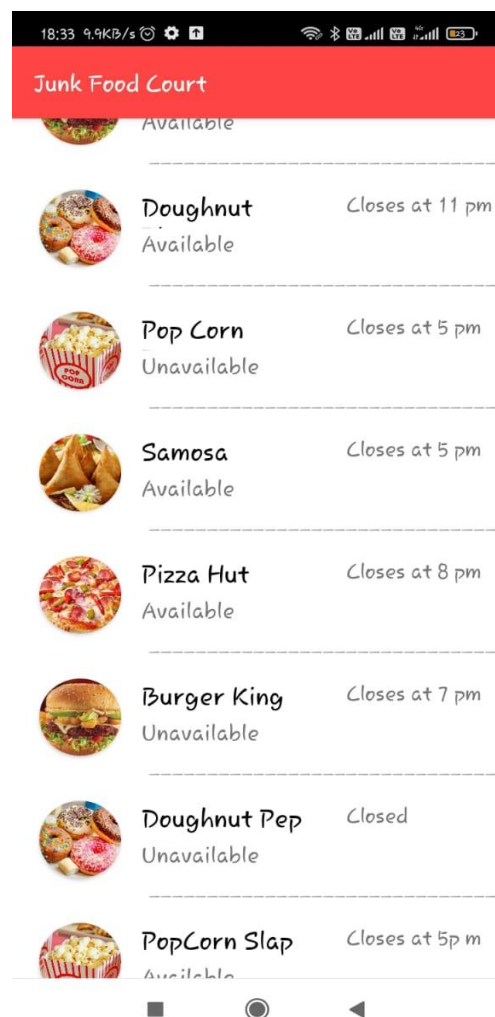## 3. UI

4.

XML CODE:-

1. Activity 1

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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">

    <com.airbnb.lottie.LottieAnimationView
        android:id="@+id/animation_view"
        android:layout_width="330dp"
        android:layout_height="374dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.191"
        app:lottie_autoPlay="true"
        app:lottie_fileName="food_carousel.json"
        app:lottie_loop="true"
        tools:ignore="MissingConstraints" />


    <TextView
        android:id="@+id/textViewfrom"
        android:layout_width="206dp"
        android:layout_height="50dp"
        android:gravity="center"
        android:text="from "

        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/animation_view" />

    <TextView
        android:id="@+id/textViewz"
        android:layout_width="206dp"
        android:layout_height="50dp"
        android:gravity="center"
        android:text="ZOMATO "
        android:textColor="#000"
        android:textStyle="bold"
```

```
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.502"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textViewfrom"
        app:layout_constraintVertical_bias="0.0" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

2. Activity 2

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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=".MainActivity2">

    <androidx.recyclerview.widget.RecyclerView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="#fff"
        android:id="@+id/recyclerview"/>


</androidx.constraintlayout.widget.ConstraintLayout>
```

3. Item_Design

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

  <RelativeLayout
    android:layout_width="match_parent"
    android:layout_height="95dp"
    android:background="@color/white">


    <androidx.cardview.widget.CardView
      android:layout_width="60dp"
      android:layout_height="60dp"
      android:id="@+id/imageview"
      app:cardCornerRadius="60dp"
      android:layout_marginTop="20dp"
      android:layout_marginLeft="20dp">

      <ImageView
        android:layout_width="60dp"
        android:layout_height="60dp"
        android:scaleType="centerCrop"
        android:src="@drawable/f1"
        android:id="@+id/imageview1">
      </ImageView>

    </androidx.cardview.widget.CardView>

    <TextView
      android:id="@+id/textView1"
      android:layout_width="120dp"
      android:layout_height="30dp"
      android:text="ABC"
      android:textColor="#000"
      android:textSize="22sp"
      android:layout_toRightOf="@+id/imageview"
      android:layout_marginTop="20dp"
      android:layout_marginLeft="15dp">

    </TextView>
    <TextView

      android:layout_width="140dp"
      android:layout_height="30dp"
      android:text="Closes at 10pm"
      android:textSize="18sp"
```

```xml
            android:id="@+id/textView2"
            android:layout_toRightOf="@+id/textView1"
            android:layout_marginTop="20dp"
            android:layout_marginLeft="30dp">

    </TextView>
    <TextView

        android:layout_width="120dp"
        android:layout_height="30dp"
        android:text="Available"
        android:id="@+id/textView3"
        android:textSize="19sp"
        android:layout_toRightOf="@+id/imageview"
        android:layout_below="@id/textView1"
        android:layout_marginLeft="15dp">

    </TextView>
    <TextView

        android:layout_width="match_parent"
        android:layout_height="20dp"
        android:text="_____"
        android:id="@+id/divider"
        android:textColor="#FA938C8C"
        android:textSize="18sp"
        android:layout_marginTop="-5dp"
        android:layout_toRightOf="@+id/imageview"
        android:layout_below="@+id/imageview"

        android:layout_marginLeft="20dp">

    </TextView>

  </RelativeLayout>



</RelativeLayout>
```

4.Android Manifest

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.junkfoodcourt">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.JunkFoodCourt">
        <activity android:name=".MainActivity2"></activity>
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

JAVA CODES:-

1. Main1

```java
package com.example.junkfoodcourt;

import androidx.appcompat.app.AppCompatActivity;

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

import java.util.Timer;
import java.util.TimerTask;

public class MainActivity extends AppCompatActivity {
    Timer timer;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        timer=new Timer();
        timer.schedule(new TimerTask() {
            @Override
            public void run() {
                Intent intent =new Intent(getApplicationContext(),MainActivity2.class);
                startActivity(intent);
            }
        },7000);
    }
}
```

2. Main_2

```java
package com.example.junkfoodcourt;

import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import android.graphics.ColorSpace;
import android.os.Bundle;

import java.util.ArrayList;
import java.util.List;

public class MainActivity2 extends AppCompatActivity {
    RecyclerView recyclerView;
    LinearLayoutManager layoutManager;
    List<ModelClass> userList;
    Adapter adapter;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);

        initData();
        initRecyclerView();

    }

    private void initRecyclerView() {
        recyclerView = findViewById(R.id.recyclerview);
        layoutManager = new LinearLayoutManager(this);
        layoutManager.setOrientation(RecyclerView.VERTICAL);
        recyclerView.setLayoutManager(layoutManager);
        adapter = new Adapter(userList);
        recyclerView.setAdapter(adapter);
        adapter.notifyDataSetChanged();
    }

    private void initData() {
        userList = new ArrayList<>();

        userList.add(new ModelClass(R.drawable.f1,"Burger House","Closes at 11
pm","Available","_____"));
        userList.add(new ModelClass(R.drawable.f2,"Doughnut Plaza","Closes at 11
pm","Available","_____"));
        userList.add(new ModelClass(R.drawable.f3,"Pop Corn Room","Closes at 5
pm","Unavailable","_____"));
        userList.add(new ModelClass(R.drawable.f4,"Samosa","Closes at 5
```

```java
pm","Available","_____"));
    userList.add(new ModelClass(R.drawable.f5,"Pizza Hut","Closes at 8
pm","Available","_____"));
    userList.add(new ModelClass(R.drawable.f1,"Burger King","Closes at 7
pm","Unavailable","_____"));
    userList.add(new ModelClass(R.drawable.f2,"Doughnut
Pep","Closed","Unavailable","_____"));
    userList.add(new ModelClass(R.drawable.f3,"PopCorn Slap","Closes at 5p
m","Available","_____"));
    userList.add(new ModelClass(R.drawable.f5,"Pizza Spicy","Closes at 5
pm","Available","_____"));


    }
}
```

3. Adapter

```java
package com.example.junkfoodcourt;

import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import java.util.List;

public class Adapter extends RecyclerView.Adapter<Adapter.ViewHolder> {

    private List<ModelClass> userList ;

    public Adapter(List<ModelClass> userList) {
        this.userList = userList;
    }

    @NonNull
    @Override
    public Adapter.ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
        View view = LayoutInflater.from(parent.getContext()).inflate(R.layout.item_design,parent,false);
        return new ViewHolder(view);
    }

    @Override
    public void onBindViewHolder(@NonNull Adapter.ViewHolder holder, int position) {

        int resource = userList.get(position).getImageview1();
        String name = userList.get(position).getTextview1();
        String message = userList.get(position).getTextview3();
        String time = userList.get(position).getTextview2();
        String line = userList.get(position).getDivider();
        holder.setData(resource,name,message,time,line);
    }

    @Override
    public int getItemCount() {
        return userList.size();
    }

    public class ViewHolder extends RecyclerView.ViewHolder{
        private ImageView imageView;
        private TextView textView,textView2,textView3,divider;
```

```java
    public ViewHolder(@NonNull View itemView) {
        super(itemView);

        imageView =itemView.findViewById(R.id.imageview1);
        textView = itemView.findViewById(R.id.textView1);
        textView2 = itemView.findViewById(R.id.textView2);
        textView3 = itemView.findViewById(R.id.textView3);
        divider = itemView.findViewById(R.id.divider);




    }

    public void setData(int resource, String name, String message, String time, String line) {
        imageView.setImageResource(resource);
        textView.setText(name);
        textView3.setText(message);
        textView2.setText(time);
        divider.setText(line);
    }
  }
}
```

4. Model Class

```java
package com.example.junkfoodcourt;

public class ModelClass {
    private int imageview1;
    private String textview1,textview2,textview3,divider;

    public ModelClass(int imageview1, String textview1, String textview2, String textview3, String divider) {
        this.imageview1 = imageview1;
        this.textview1 = textview1;
        this.textview2 = textview2;
        this.textview3 = textview3;
        this.divider = divider;
    }

    public int getImageview1() {
        return imageview1;
    }

    public String getTextview1() {
        return textview1;
    }

    public String getTextview2() {
        return textview2;
    }

    public String getTextview3() {
        return textview3;
    }

    public String getDivider() {
        return divider;
    }

}
```