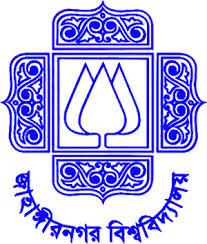
**Report No: 04**

**Task Title: Create a personalized visiting card app using implicit intent**

Course Title: Mobile Application Development Laboratory

Course Code: CSE-410

4th Year, 1st Semester - 2023



Date of Performance: 03/09/2024

Date of Submission: 09/09/2024

**Submitted to -**

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**GitHub Link:** [**https://github.com/shanjida-alam/personalized-visiting-card-app-**](https://github.com/shanjida-alam/personalized-visiting-card-app-)

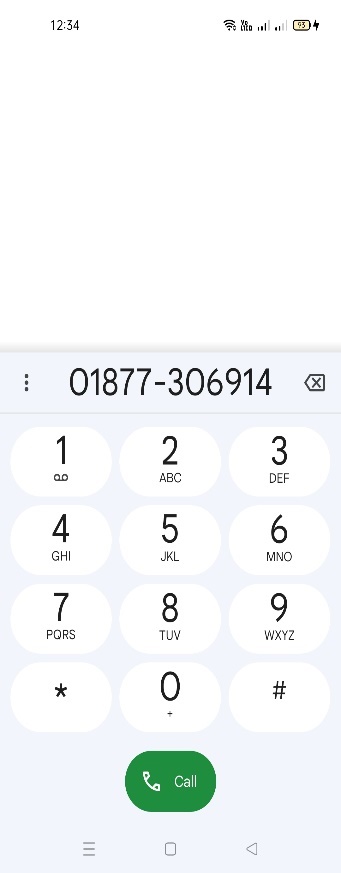
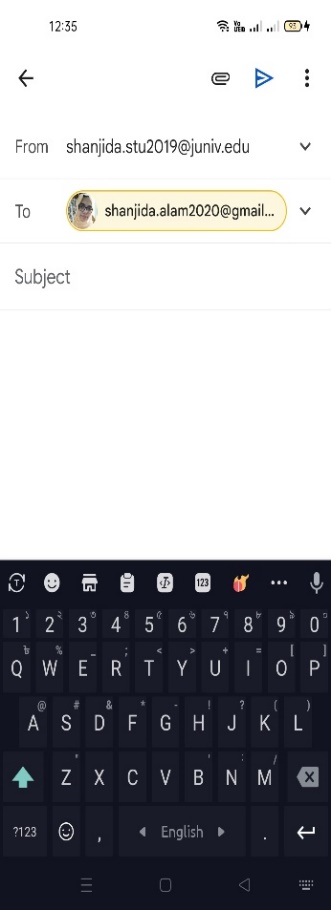
**activity\_main.xml code:**

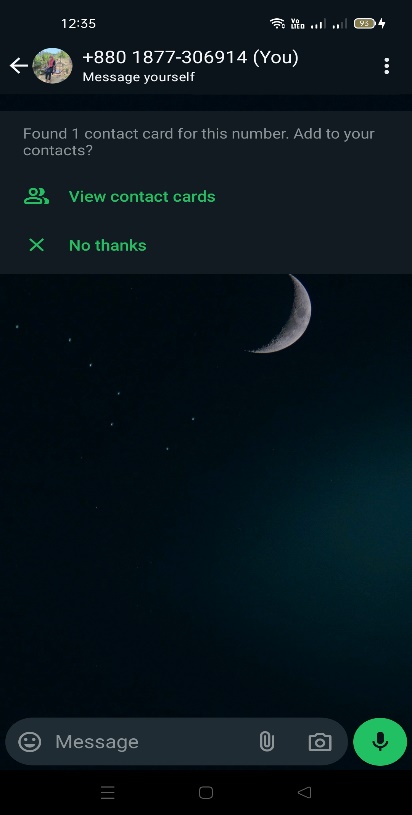
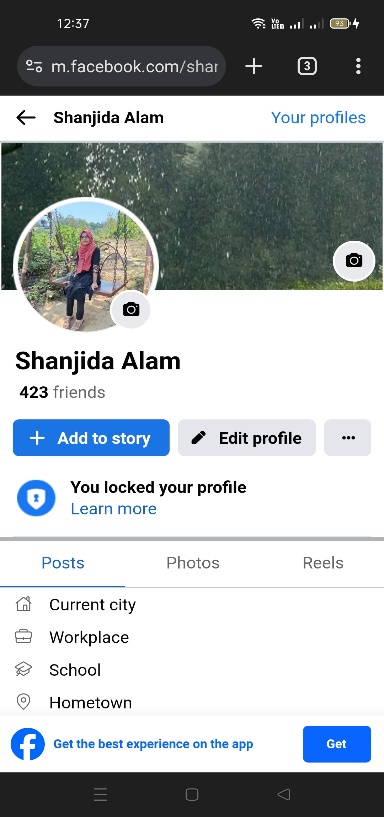
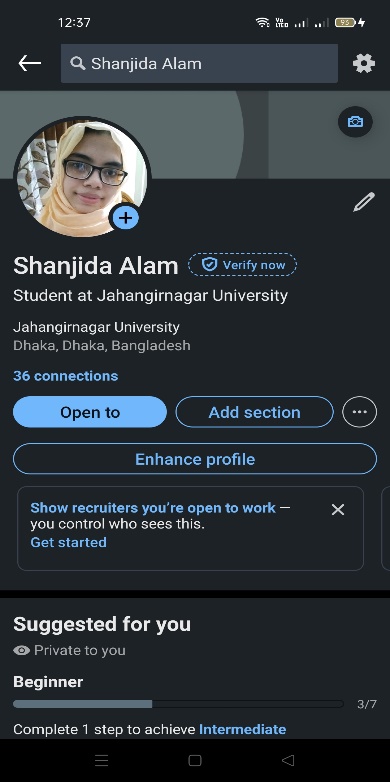
<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/main"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#A6DAC9F8"  
 android:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <!-- Header Section -->  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="#673AB7"  
 android:orientation="horizontal">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="0dp"  
 android:layout\_marginTop="0dp"  
 android:text="Visiting Card App"  
 android:textColor="#FCFCFF"  
 android:textSize="24sp"  
 android:textStyle="bold" />  
  
 <View  
 android:layout\_width="0dp"  
 android:layout\_height="0dp"  
 android:layout\_weight="1" />  
  
 </LinearLayout>  
  
 <!-- Image Section -->  
  
  
 <androidx.cardview.widget.CardView  
 android:layout\_width="100dp"  
 android:layout\_height="105dp"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginTop="40dp"  
 app:cardCornerRadius="80dp">  
  
 <ImageView  
 android:id="@+id/my\_image"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:scaleType="centerCrop"  
 android:src="@drawable/me" />  
  
 </androidx.cardview.widget.CardView>  
  
  
 <!--Name Section-->  
 <TextView  
 android:id="@+id/name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginTop="18dp"  
 android:text="Shanjida Alam"  
 android:textSize="24sp"  
 android:textStyle="bold" />  
  
 <TextView  
 android:id="@+id/dept"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginTop="20dp"  
 android:text="Department: Computer Science"  
 android:textSize="16sp" />  
  
 <TextView  
 android:id="@+id/dept1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginLeft="43dp"  
 android:layout\_marginTop="0dp"  
 android:text="and Engineering"  
 android:textSize="16sp" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginTop="0dp"  
 android:layout\_marginRight="27dp"  
 android:text="Session : 2019-2020"  
 android:textSize="16sp" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginTop="0dp"  
 android:layout\_marginRight="15dp"  
 android:text="Registration\nNumber : 20200650723"  
 android:textSize="16sp" />  
  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginTop="0dp"  
 android:layout\_marginRight="-2.1dp"  
 android:text="Hall :Begum Sufia Kamal"  
 android:textSize="16sp" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginTop="0dp"  
 android:layout\_marginRight="58dp"  
 android:text="Blood Group:B+"  
 android:textSize="16sp" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginLeft="15dp"  
 android:layout\_marginTop="40dp"  
 android:layout\_marginRight="-10dp"  
 android:orientation="horizontal">  
  
 <ImageButton  
 android:id="@+id/dial"  
 android:layout\_width="30dp"  
 android:layout\_height="30dp"  
 android:background="#A6DAC9F8"  
 android:scaleType="centerCrop"  
 android:src="@drawable/dial" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="12dp"  
 android:layout\_marginTop="6dp"  
 android:text="01877306914"  
 android:textSize="14sp" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginLeft="15dp"  
 android:layout\_marginTop="9dp"  
 android:layout\_marginRight="-10dp"  
 android:orientation="horizontal">  
  
 <ImageButton  
 android:id="@+id/mail"  
 android:layout\_width="30dp"  
 android:layout\_height="30dp"  
 android:background="#A6DAC9F8"  
 android:scaleType="centerCrop"  
 android:src="@drawable/mail" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="12dp"  
 android:layout\_marginTop="5dp"  
 android:text="shanjida.alam2020@gmail.com"  
 android:textSize="14sp" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginLeft="15dp"  
 android:layout\_marginTop="9dp"  
 android:layout\_marginRight="-10dp"  
 android:orientation="horizontal">  
  
 <ImageButton  
 android:id="@+id/wa"  
 android:layout\_width="30dp"  
 android:layout\_height="30dp"  
 android:background="#A6DAC9F8"  
 android:scaleType="centerCrop"  
 android:src="@drawable/wp" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="12dp"  
 android:layout\_marginTop="6dp"  
 android:text="01877306914"  
 android:textSize="14sp" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginLeft="15dp"  
 android:layout\_marginTop="9dp"  
 android:layout\_marginRight="-10dp"  
 android:orientation="horizontal">  
  
 <ImageButton  
 android:id="@+id/fb"  
 android:layout\_width="30dp"  
 android:layout\_height="30dp"  
 android:background="#A6DAC9F8"  
 android:scaleType="centerCrop"  
 android:src="@drawable/facebook" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="12dp"  
 android:layout\_marginTop="-1dp"  
 android:text="https://www.facebook.com/shanjida.alam.756?mibextid=ZbWKwL"  
 android:textSize="14sp" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginLeft="15dp"  
 android:layout\_marginTop="9dp"  
 android:layout\_marginRight="-10dp"  
 android:orientation="horizontal">  
  
 <ImageButton  
 android:id="@+id/linkedin"  
 android:layout\_width="30dp"  
 android:layout\_height="30dp"  
 android:background="#A6DAC9F8"  
 android:scaleType="centerCrop"  
 android:src="@drawable/linkedin" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="12dp"  
 android:layout\_marginTop="-1dp"  
 android:text="https://www.linkedin.com/in/shanjida-alam-541833204/"  
 android:textSize="14sp" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginLeft="15dp"  
 android:layout\_marginTop="9dp"  
 android:layout\_marginRight="-10dp"  
 android:orientation="horizontal">  
  
 <ImageButton  
 android:id="@+id/git"  
 android:layout\_width="30dp"  
 android:layout\_height="30dp"  
 android:background="#A6DAC9F8"  
 android:scaleType="centerCrop"  
 android:src="@drawable/github" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="12dp"  
 android:layout\_marginTop="6dp"  
 android:text="https://github.com/shanjida-alam"  
 android:textSize="14sp" />  
  
 </LinearLayout>  
  
</LinearLayout>

**MainActivity.java code:**

package com.example.lab04;  
  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.ImageButton;  
  
import androidx.activity.EdgeToEdge;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.graphics.Insets;  
import androidx.core.view.ViewCompat;  
import androidx.core.view.WindowInsetsCompat;  
  
public class MainActivity extends AppCompatActivity {  
  
 private ImageButton dialButton, mailButton, waButton, fbButton, linkedinButton, gitButton;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 EdgeToEdge.*enable*(this);  
 setContentView(R.layout.*activity\_main*);  
  
 dialButton = findViewById(R.id.*dial*);  
 mailButton = findViewById(R.id.*mail*);  
 waButton = findViewById(R.id.*wa*);  
 fbButton = findViewById(R.id.*fb*);  
 linkedinButton = findViewById(R.id.*linkedin*);  
 gitButton = findViewById(R.id.*git*);  
  
 dialButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(Intent.*ACTION\_DIAL*);  
 intent.setData(Uri.*parse*("tel:01877306914"));  
 startActivity(intent);  
 }  
  
 });  
  
 mailButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(Intent.*ACTION\_SENDTO*);  
 intent.setData(Uri.*parse*("mailto:shanjida.alam2020@gmail.com"));  
 startActivity(intent);  
 }  
 });  
  
 waButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(Intent.*ACTION\_VIEW*);  
 intent.setData(Uri.*parse*("https://api.whatsapp.com/send?phone=+8801877306914"));  
 startActivity(intent);  
 }  
 });  
  
 fbButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(Intent.*ACTION\_VIEW*);  
 intent.setData(Uri.*parse*("https://www.facebook.com/shanjida.alam.756?mibextid=ZbWKwL"));  
 startActivity(intent);  
 }  
 });  
  
 linkedinButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(Intent.*ACTION\_VIEW*);  
 intent.setData(Uri.*parse*("https://www.linkedin.com/in/shanjida-alam-541833204/"));  
 startActivity(intent);  
 }  
 });  
  
 gitButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(Intent.*ACTION\_VIEW*);  
 intent.setData(Uri.*parse*("https://github.com/shanjida-alam"));  
 startActivity(intent);  
 }  
 });  
  
  
 ViewCompat.*setOnApplyWindowInsetsListener*(findViewById(R.id.*main*), (v, insets) -> {  
 Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.*systemBars*());  
 v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);  
 return insets;  
 });  
 }  
}

**Output:**

**  **

**  **

****