

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



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GitHub Link: <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:

Visiting Card App



Shanjida Alam

Department: Computer Science
and Engineering
Session : 2019-2020
Registration
Number : 20200650723
Hall : Begum Sufia Kamal
Blood Group: B+

 01877306914
 shanjida.alam2020@gmail.com
 01877306914
 <https://www.facebook.com/shanjida.alam.756?mibextid=ZbWKwL>
 <https://www.linkedin.com/in/shanjida-alam-541833204/>
 <https://github.com/shanjida-alam>

12:34

01877-306914

1
ABC

2
DEF

3
GHI

4
JKL

5
MNO

6
PQRS


7
TUV

8
WXYZ

9
*

0
+

#

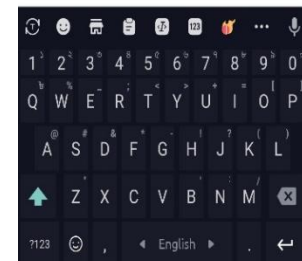


12:35

From shanjida.stu2019@juniv.edu

To shanjida.alam2020@gmail...

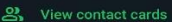
Subject

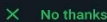


12:35

+880 1877-306914 (You)
Message yourself

Found 1 contact card for this number. Add to your contacts?

 View contact cards

 No thanks

Message

12:37

m.facebook.com/shar

Shanjida Alam



Shanjida Alam
423 friends

 Add to story  Edit profile

 You locked your profile
Learn more


Posts Photos Reels


Current city
Workplace
School
Hometown


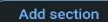
 Get the best experience on the app 

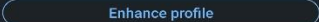
12:37

Shanjida Alam



Shanjida Alam 
Student at Jahangirnagar University
Jahangirnagar University
Dhaka, Dhaka, Bangladesh
36 connections

 Open to  Add section

 Enhance profile

Show recruiters you're open to work — you control who sees this.
Get started

Suggested for you
Private to you
Beginner
Complete 1 step to achieve **Intermediate** 3/7

