

Report No: 01

Task Title: My Id Card

Course Title: Mobile Application Development Laboratory

Course Code: CSE-410

4th Year, 1st Semester - 2023



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XML Code:

```
<?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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView13"
        android:layout_width="135dp"
        android:layout_height="50dp"
        android:text="30-08-2024"
        android:textAlignment="viewStart"
        android:textColor="@color/design_default_color_primary_dark"
        android:textSize="14sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.895"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.702" />

    <TextView
        android:id="@+id/textView12"
        android:layout_width="146dp"
        android:layout_height="34dp"
        android:text="Validity:"
        android:textAlignment="viewStart"
        android:textColor="#4555B1"
        android:textSize="14sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.935"
        app:layout_constraintStart_toStartOf="parent"
```

```
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.646" />
```

<TextView

```
android:id="@+id/textView11"
android:layout_width="135dp"
android:layout_height="50dp"
android:text="Computer Science and Engineering"
android:textAlignment="viewStart"
android:textColor="@color/design_default_color_primary_dark"
android:textSize="14sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.255"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.69" />
```

<TextView

```
android:id="@+id/textView10"
android:layout_width="146dp"
android:layout_height="34dp"
android:text="Blood Group:"
android:textAlignment="viewStart"
android:textColor="#4555B1"
android:textSize="14sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.267"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.75" />
```

<TextView

```
android:id="@+id/textView9"
android:layout_width="151dp"
android:layout_height="45dp"
android:text="49"
```

```
android:textAlignment="viewStart"
android:textColor="@color/design_default_color_primary_dark"
android:textSize="14sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.954"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.609" />
```

<TextView

```
android:id="@+id/textView8"
android:layout_width="146dp"
android:layout_height="34dp"
android:text="Department:"
android:textAlignment="viewStart"
android:textColor="#4555B1"
android:textSize="14sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.267"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.646" />
```

<TextView

```
android:id="@+id/textView7"
android:layout_width="151dp"
android:layout_height="45dp"
android:text="20200650723"
android:textAlignment="viewStart"
android:textColor="@color/design_default_color_primary_dark"
android:textSize="14sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.272"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
```

```
app:layout_constraintVertical_bias="0.61" />
```

```
<TextView
    android:id="@+id/textView6"
    android:layout_width="146dp"
    android:layout_height="34dp"
    android:text="Batch:"
    android:textAlignment="viewStart"
    android:textColor="#4555B1"
    android:textSize="14sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.935"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.568" />
```

```
<TextView
    android:id="@+id/textView5"
    android:layout_width="146dp"
    android:layout_height="34dp"
    android:text="Student ID Number:"
    android:textAlignment="viewStart"
    android:textColor="#4555B1"
    android:textSize="14sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.267"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.568" />
```

```
<TextView
    android:id="@+id/textView4"
    android:layout_width="235dp"
    android:layout_height="65dp"
    android:text="Shanjida Alam"
    android:textAlignment="center"
```

```
android:textColor="#1C309F"
android:textSize="34sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.594"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.455" />
```

<TextView

```
android:id="@+id/textView"
android:layout_width="237dp"
android:layout_height="49dp"
android:text="Jahangirnagar University"
android:textColor="#1C309F"
android:textSize="20sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.897"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.033" />
```

<ImageView

```
android:id="@+id/imageView"
android:layout_width="72dp"
android:layout_height="78dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.121"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.007"
app:srcCompat="@drawable/logo" />
```

<ImageView

```
android:id="@+id/imageView2"
android:layout_width="148dp"
```

```
android:layout_height="179dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.571"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.193"
app:srcCompat="@drawable/me" />
```

<LinearLayout

```
android:layout_width="39dp"
android:layout_height="837dp"
android:background="@color/design_default_color_primary_dark"
android:orientation="vertical"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.0">
```

</LinearLayout>

<TextView

```
android:id="@+id/textView2"
android:layout_width="322dp"
android:layout_height="339dp"
android:rotation="270"
android:text="Begum Sufia Kamal Hall"
android:textColor="@color/white"
android:textSize="25sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.098"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.465" />
```

```
<TextView
    android:id="@+id/textView3"
    android:layout_width="135dp"
    android:layout_height="50dp"
    android:text="B+"
    android:textAlignment="viewStart"
    android:textColor="@color/design_default_color_primary_dark"
    android:textSize="14sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.255"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.795" />
```

```
<ImageView
    android:id="@+id/imageView4"
    android:layout_width="295dp"
    android:layout_height="54dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.882"
    app:srcCompat="@drawable/qrcode" />
```

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


Java Code:

```
package com.example.idcard;

import android.os.Bundle;

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 {


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

Begum Sufia Kamal Hall



Jahangirnagar University



Shanjida Alam

Student ID Number:	Batch:
20200650723	49
Department:	Validity:
Computer Science and Engineering	30-08-2024
Blood Group:	
B+	

