

Screen – 1

XML

```
<?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:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/t1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        android:textSize="30dp"
    />

    <ImageView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:src="@mipmap/download"
    />

    <Button
        android:id="@+id/b1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Click Me"
        android:textSize="30dp"
    />

    <Button
        android:onClick="fun1"
        android:id="@+id/b2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Next"
        android:textSize="30dp"
    />

</LinearLayout>
```

Screen – 2 XML

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity">
```

```

<TextView
    android:id="@+id/tv"
    android:layout_width="wrap_content"
    android:layout_height="200dp"
    android:text="Hello"
    android:textColor="@color/black"
    android:textSize="40dp"/>
<TextView
    android:id="@+id/tv2"
    android:layout_width="wrap_content"
    android:layout_height="200dp"
    android:text="PSG"
    android:textColor="@color/black"
    android:textSize="40dp"/>
<EditText
    android:id="@+id/et"
    android:layout_width="wrap_content"
    android:imeOptions="actionDone"
    android:singleLine="true"
    android:layout_height="wrap_content"
    android:text=""
    android:hint="Type here"
>
<requestFocus/>
</EditText>

</LinearLayout>

```

Screen 1 Kotlin

```

package com.example.mcag1

import android.content.Intent
import android.net.Uri
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.view.View
import android.widget.Button
import android.widget.TextView
import android.widget.Toast

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val x = findViewById<Button>(R.id.b1)
        val y = findViewById<Button>(R.id.b2)
        val z = findViewById<TextView>(R.id.t1)

        x.setOnClickListener(View.OnClickListener {
            val i = Intent(this, MainActivity2::class.java)
            startActivity(i)
        })
    }
}

```

```

    }

    fun fun1(v:View)
    {
        val i2 = Intent(Intent.ACTION_VIEW)
        i2.data = Uri.parse("http://www.psgtech.edu/")
        startActivity(i2)
        // Toast.makeText(applicationContext,"MCA
G1",Toast.LENGTH_SHORT).show()
    }
}

```

Screen 2 Kotlin

```

package com.example.mcag1

import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.view.MotionEvent
import android.view.View
import android.widget.TextView
import com.google.android.material.snackbar.Snackbar

class MainActivity2 : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main2)

        val e = findViewById<TextView>(R.id.tv)
        e.setOnClickListener(View.OnClickListener {
            val snack = Snackbar.make(it,"This is a simple
Snackbar",Snackbar.LENGTH_LONG)
            snack.setAction("DISMISS", View.OnClickListener {
                e.text = "hai"
            })
            snack.show()
        })

        e.setOnLongClickListener(View.OnLongClickListener {

            e.textSize = 30F
            true
        })

        val e2 = findViewById<TextView>(R.id.tv2)
        e2.setOnTouchListener(View.OnTouchListener { v, event ->
            val action = event.action
            when(action){

                MotionEvent.ACTION_DOWN -> {
                    e.textSize = 30f
                }
            }
        })
    }
}

```

```
        MotionEvent.ACTION_MOVE -> {
            e.textSize = 60f
        }

        MotionEvent.ACTION_UP -> {
            e.textSize = 90f
        }

        MotionEvent.ACTION_CANCEL -> {

        }

        else ->{

        }
    }

    true
})

}
}
```