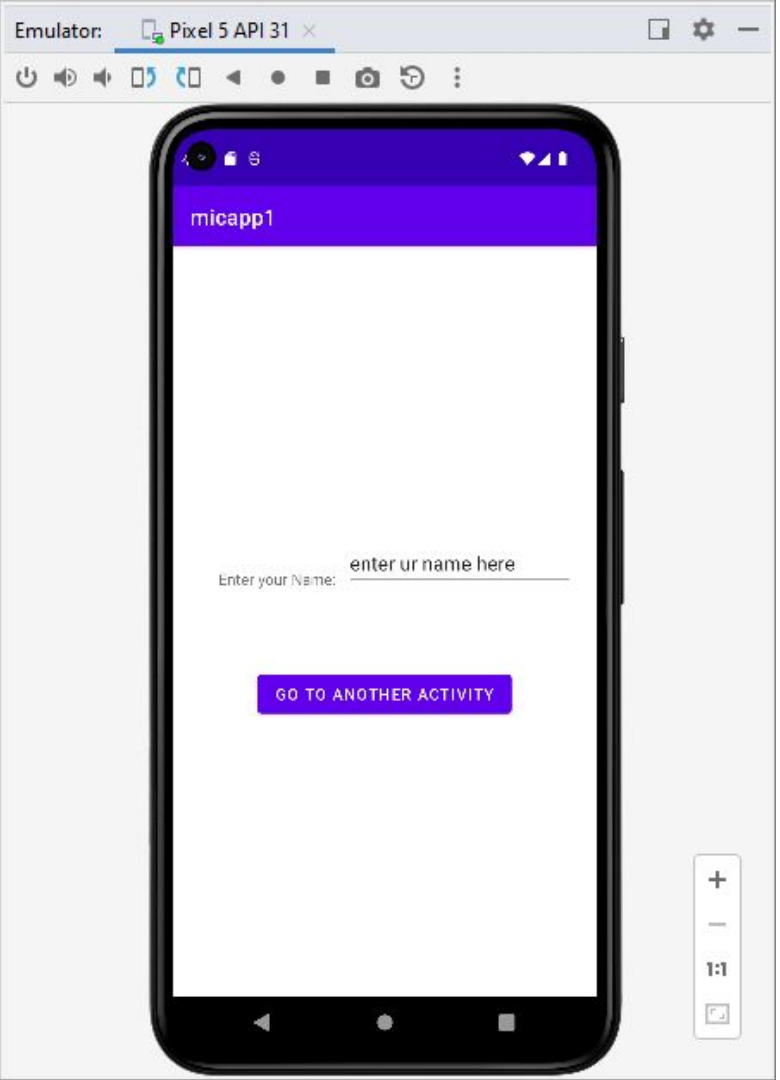
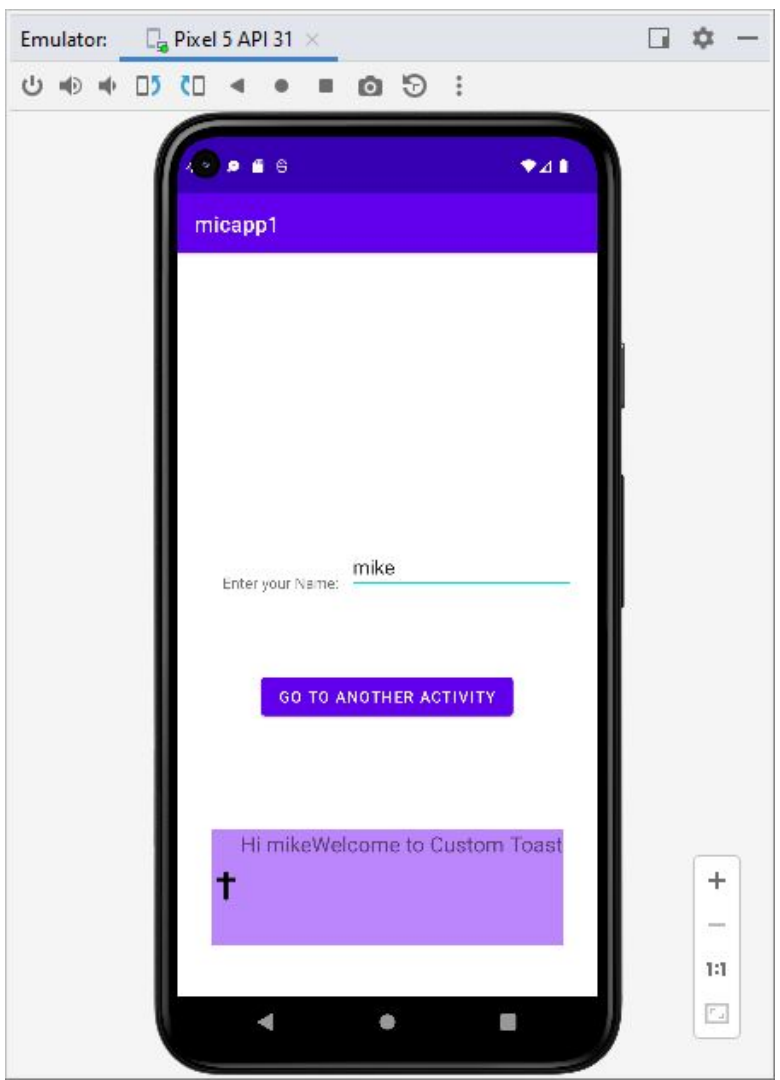
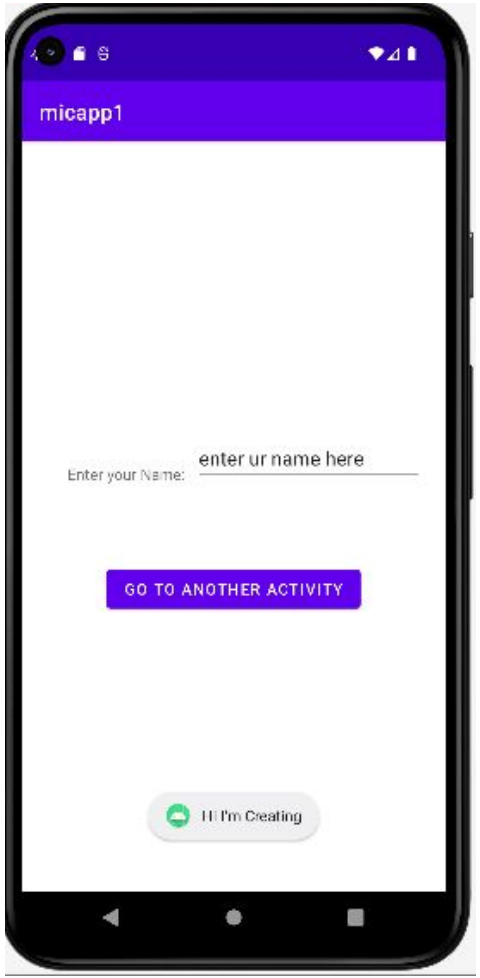
Build mobile application based on the concept activity life cycle with Custom Toast

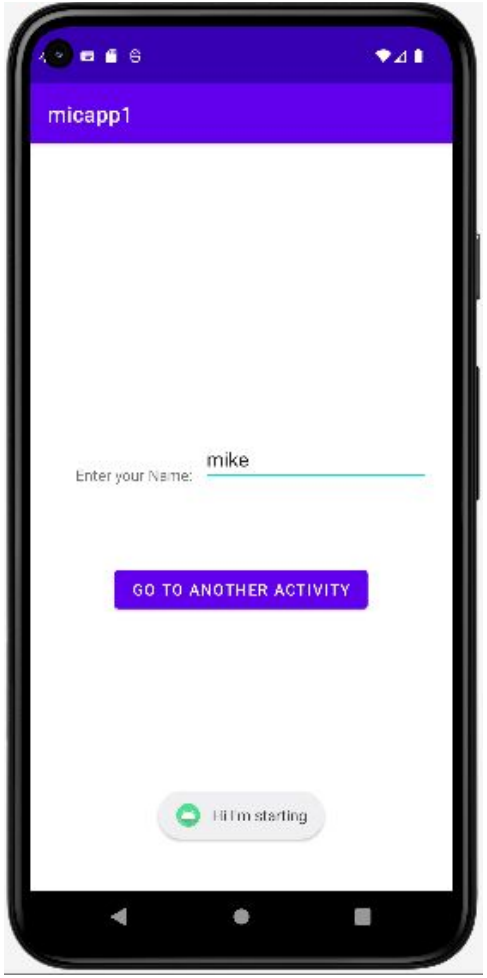
Experiment - 1





Custom Toast

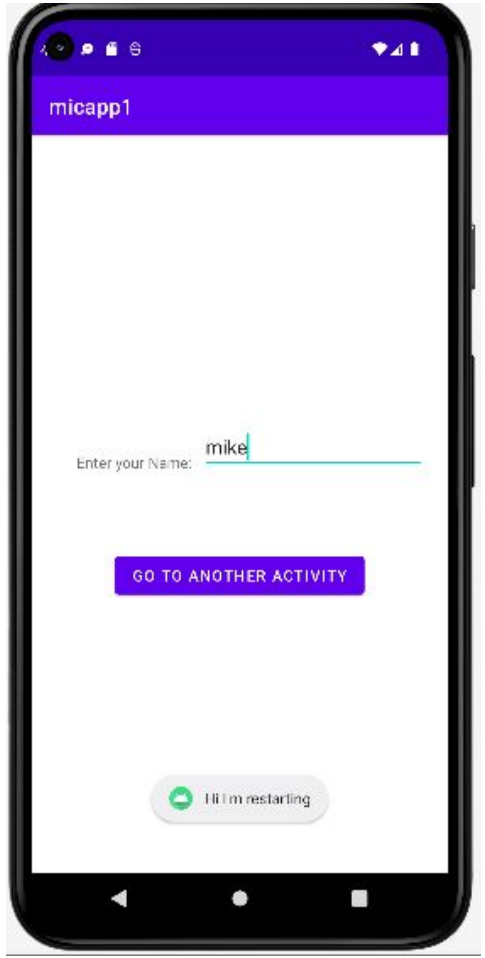

micapp1
Enter your Name:
enter ur name here
GO TO ANOTHER ACTIVITY
Hi I'm Creating


micapp1
Enter your Name:
mike
GO TO ANOTHER ACTIVITY
Hi I'm starting

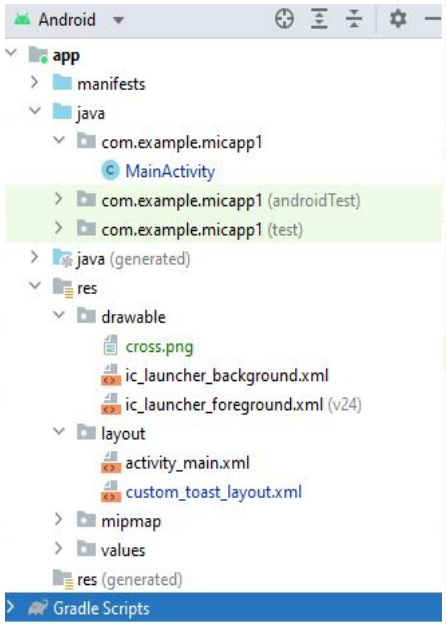
micapp1
Enter your Name:
mike
GO TO ANOTHER ACTIVITY
Hi I'm resuming

Thu, Nov 24
Pausing see you later

Thu, Nov 24
oh stopping


micapp1
Enter your Name:
mike
GO TO ANOTHER ACTIVITY
Hi I'm restarting

Main Activity




```java
public class MainActivity extends AppCompatActivity
{
    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Toast.makeText(getApplicationContext(), text: "Hi I'm Creating", Toast.LENGTH_SHORT).show();
    }
    public void createNewActivity(View v)
    {
        //prepare layout for toast
        EditText edt_txt_name=findViewById(R.id.editTextTextPersonName);
        String message="Hi "+ edt_txt_name.getText() +"Welcome to Custom Toast";
        LayoutInflater li=getLayoutInflater();
        View toast_layout=li.inflate(R.layout.custom_toast_layout,(ViewGroup)findViewById(R.id.custom_toast_root));
        TextView toast_txt_view=(TextView)toast_layout.findViewById(R.id.textView4);
        toast_txt_view.setText(message);
        ImageView toast_img_view=(ImageView) toast_layout.findViewById(R.id.imageView1);
        toast_img_view.setImageResource(R.drawable.cross);
        //custom toast
        Toast t=new Toast(this.getApplicationContext());
        t.setDuration(Toast.LENGTH_LONG);
        t.setView(toast_layout);
        t.show();
    }
```

Main Activity (with life cycle methods)

```
@Override
protected void onStart()
{
    super.onStart();
    Toast.makeText(getApplicationContext(), text: "Hi I'm starting", Toast.LENGTH_SHORT).show();
}

@Override
protected void onResume() {
    super.onResume();
    Toast.makeText(getApplicationContext(), text: "Hi I'm resuming", Toast.LENGTH_SHORT).show();
}

@Override
protected void onRestart() {
    super.onRestart();
    Toast.makeText(getApplicationContext(), text: "Hi I'm restarting", Toast.LENGTH_SHORT).show();
}
```

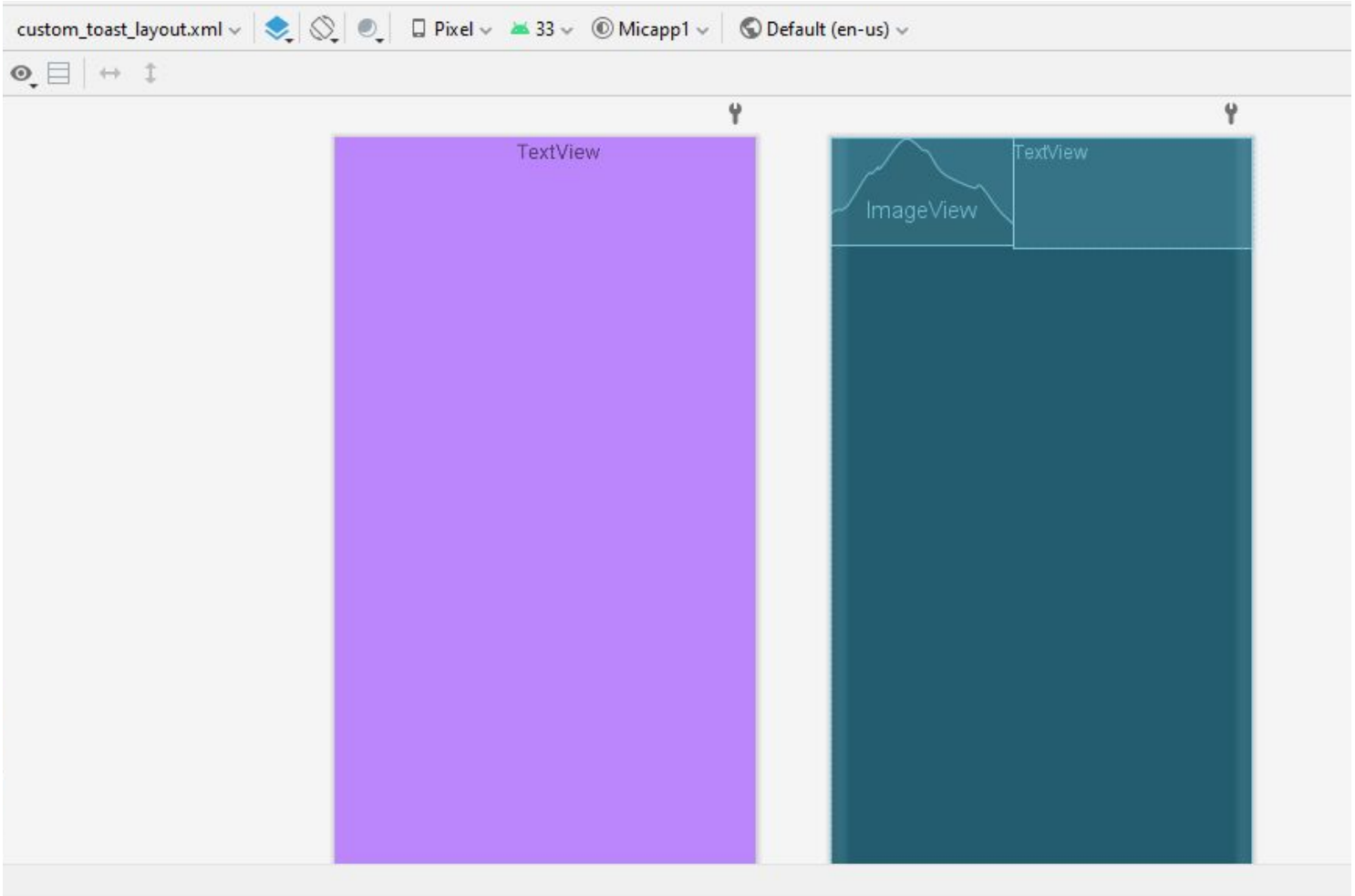
Main Activity (with life cycle methods)

```
@Override
protected void onDestroy() {
    super.onDestroy();
    Toast.makeText(getApplicationContext(), text: "Bye Bye I'm dying", Toast.LENGTH_SHORT).show();
}

@Override
protected void onPause() {
    super.onPause();
    Toast.makeText(getApplicationContext(), text: "Pausing see you later", Toast.LENGTH_SHORT).show();
}

@Override
protected void onStop() {
    super.onStop();
    Toast.makeText(getApplicationContext(), text: "oh stopping", Toast.LENGTH_SHORT).show();
}
```

Custom Toast Design



Custom Toast Design

ctivity.java | custom_toast_layout.xml | activity_main.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:id="@+id/custom_toast_root"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/purple_200"
    android:orientation="horizontal">

    <ImageView
        android:id="@+id/imageView1"
        android:layout_width="27dp"
        android:layout_height="105dp"
        android:layout_weight="1" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="wrap_content"
        android:layout_height="108dp"
        android:layout_weight="1"
        android:text="TextView"
        android:textSize="20sp" />
</LinearLayout>
```