```java
package com.example.myapplication2;

import ...

public class MainActivity extends AppCompatActivity implements  View.OnClickListener {
TextView tv1;
Button bt1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        tv1=(TextView) findViewById(R.id.t1);
        bt1=(Button) findViewById(R.id.b1);
        bt1.setOnClickListener(this);
    }

    @Override
    public void onClick(View view)
    {
        tv1.setText("welcome to ncet");
    }

    public void dotask(View view) {
        tv1.setText("welcome to cse");

    }
}
```
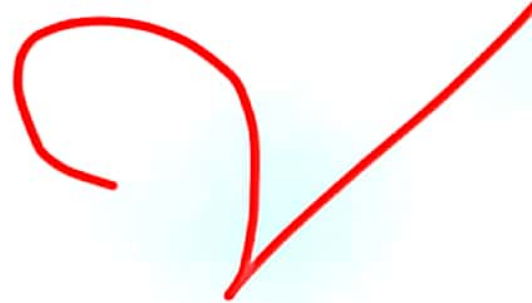
```xml
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Button1"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.123"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.386" />

    <TextView
        android:id="@+id/t1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="text"
        android:textSize="30sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.252" />

    <Button
        android:id="@+id/b2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Button2"
        android:onClick="dotask"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.876"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.386" />

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

2

```xml
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="EVENT HANDLING"
        android:textColor="#F44336"
        android:textSize="30sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.155" />

    <Button
        android:id="@+id/b1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Button1"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.123"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.386" />

    <TextView
        android:id="@+id/t1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="text"
        android:textSize="30sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
```

2

```java
public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Toast.makeText(this, "onCreate", Toast.LENGTH_SHORT).show();
    }
    @Override
    protected void onStart()
    {

        super.onStart();
        Toast.makeText(this, "onStart", Toast.LENGTH_SHORT).show();
    }
    @Override
    protected  void onResume()
    {

        super.onResume();
        Toast.makeText(this, "onResume", Toast.LENGTH_SHORT).show();
    }
    @Override
    protected  void onPause()
    {

        super.onPause();
        Toast.makeText(this, "onPause", Toast.LENGTH_SHORT).show();
    }
    @Override
    protected void onStop()
    {

        super.onStop();
        Toast.makeText(this, "onStop", Toast.LENGTH_SHORT).show();
    }
    @Override
    protected void onDestroy()
    {

        super.onDestroy();
        Toast.makeText(this, "onDestroy", Toast.LENGTH_SHORT).show();
    }
}
```
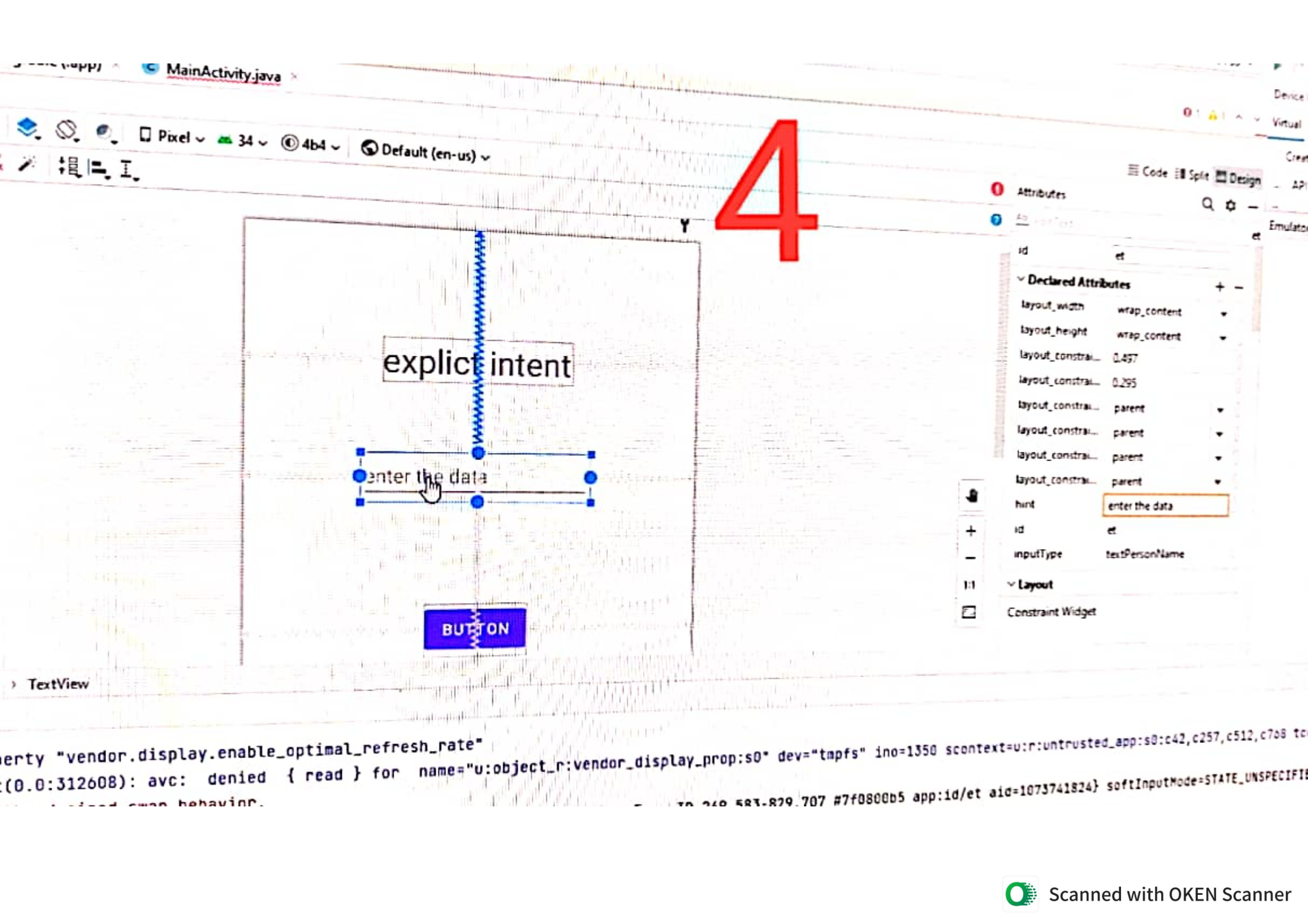
Device

Virtual

Pixel ∨   34 ∨   4b4 ∨   Default (en-us) ∨

Code Split Design   API

4

Attributes

Q ⚙ —

Emulator

id   et

∨ **Declared Attributes**   + —

layout_width	wrap_content	▼
layout_height	wrap_content	▼
layout_constrai...	0.457	
layout_constrai...	0.295	
layout_constrai...	parent	▼
layout_constrai...	parent	▼
layout_constrai...	parent	▼
layout_constrai...	parent	▼
hint	enter the data	
id	et	
inputType	textPersonName	

∨ **Layout**

Constraint Widget

explict intent

enter the data

BUTTON

> TextView

perty "vendor.display.enable_optimal_refresh_rate"
(0.0:312608): avc: denied { read } for   name="u:object_r:vendor_display_prop:s0" dev="tmpfs" ino=1350 scontext=u:r:untrusted_app:s0:c42,c257,c512,c768 t
sized swap behavior.   70 268 583-829 707 #7f0800b5 app:id/et aid=1073741824} softInputMode=STATE_UNSPECIFI

```xml
                        ..._constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.144" />

    <Button
        android:id="@+id/b1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:onClick="dotask"
        android:text="Button"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/et"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
32          app:layout_constraintTop_toTopof="parent" />

33

34          <EditText

35              android:id="@+id/et"

36              android:layout_width="wrap_content"

37              android:layout_height="wrap_content"

38              android:ems="10"

39              android:inputType="textPersonName"

40              android:hint="enter the data"

41              app:layout_constraintBottom_toBottomOf="parent"

42              app:layout_constraintEnd_toEndOf="parent"

43              app:layout_constraintHorizontal_bias="0.497"

44              app:layout_constraintStart_toStartOf="parent"

45              app:layout_constraintTop_toTopOf="parent"

46              app:layout_constraintVertical_bias="0.295" />

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

androidx.constraintlayout.widget.ConstraintLayout › TextView

Run: app

```
D/DragManager: DecorView return
W/libc: Access denied finding property "vendor.display.enable_optimal_refresh_rate"
W/om.example.a4b4: type=1400 audit(0.0:312608): avc:  denied  { read } for  name="u:object_r:vendor_display_prop:s0" de
```

second activity

Attributes

Ab TextView

t1

id	t1

Declared Attributes + −

layout_width	wrap_content	⌄
layout_height	wrap_content	⌄
layout_constrai...	0.5	
layout_constrai...	parent	⌄
layout_constrai...	parent	⌄
layout_constrai...	parent	⌄
layout_constrai...	parent	⌄
id	t1	

Layout

Constraint Widget

0 ⌄

1:1

0 ⌄ » « 0 ⌄

ayout › TextView

'II
property "vendor.display.enable_optimal_refresh_rate"
audit(0.0:312608): avc: denied { read } for name="u:object_r:vendor_display_prop:s0" dev="tmpfs" ino=1350 scontext=u:r:untrusted_app:s0:c42,c257,c512,c76
atch the desired swap behavior.
wFocus: androidx.appcompat.widget.AppCompatEditText{e393179 VFED..CL. .F....ID 249,583-829,707 #7f0800b5 app:id/et aid=1073741824} softInputMode=STATE_UNSPEI
), fromIme=true)
4:ea00615e: onShown
Running: isInProgress=falsecallback=android.view.ViewRootImpl$$ExternalSyntheticLambda19@4127ad7
```window IOnBackInvokedCallback$Stub$Proxy@baa5697

```java
package com.example.a4b4;

import ...

public class MainActivity extends AppCompatActivity {
EditText e;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        e=(EditText) findViewById(R.id.et);
    }

    public void dotask(View view)
    {
        Intent i1=new Intent(this,MainActivity2.class);
        i1.putExtra( name: "user",e.getText().toString());
        startActivity(i1);
    }
}
```

```java
1   package com.example.a4b4;
2
3   import ...
9
10  public class MainActivity extends AppCompatActivity {
11  EditText e;
12      @Override
13      protected void onCreate(Bundle savedInstanceState) {
14          super.onCreate(savedInstanceState);
15          setContentView(R.layout.activity_main);
16          e=(EditText) findViewById(R.id.et);
17      }
18      public void dotask(View view)
19      {
20          Intent i1=new Intent(this,MainActivity2.class);
21          i1.putExtra( name: "user",e.getText().toString());
22          startActivity(i1);
23      }
24  }
```

```java
package com.example.a4b4;

import ...

public class MainActivity2 extends AppCompatActivity {
    TextView t;


    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        t=(TextView) findViewById(R.id.t1);
        Bundle b1=getIntent().getExtras();
        String s1=b1.getString( key: "user");
        t.setText(s1);
    }
}
```