To develop an Android app. We need the **layout** :

<TextView

    android:id="@+id/text"

    android:layout\_centerInParent="true"

    android:layout\_width="wrap\_content"

    android:layout\_height="wrap\_content"

    android:text="" />

<Button

    android:layout\_width="wrap\_content"

    android:layout\_height="wrap\_content"

    android:layout\_centerHorizontal="true"

    android:text="Click here to say hi"

    android:onClick="sayHi"/>

**Creating a Layout:**

private TextView mText;

@Override

protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity\_hello\_world);

    // Get View reference

    mText = (TextView) findViewById(R.id.text);

}

public void sayHi(View view) {

mText.setText("Hello World!");

}

**Adding Buttons:**

<Button  
   android:id="@+id/toast\_button"  
   android:layout\_width="wrap\_content"  
   android:layout\_height="wrap\_content"  
   android:text="Button "

**Making App Interactive:**

private void countMe(View view) {

// Get the value of the text view

String countString = showCountTextView.getText().toString();

// Convert value to a number and increment it

Integer count = Integer.parseInt(countString);

count++;

// Display the new value in the text view.

showCountTextView.setText(count.toString());

}

view.findViewById(R.id.count\_button).setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

countMe(view);

}

});

**Updating Fragments:**

public void onViewCreated(@NonNull View view, Bundle savedInstanceState) {

super.onViewCreated(view, savedInstanceState);

view.findViewById(R.id.random\_button).setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

int currentCount = Integer.parseInt(showCountTextView.getText().toString());

FirstFragmentDirections.ActionFirstFragmentToSecondFragment action = FirstFragmentDirections.actionFirstFragmentToSecondFragment(currentCount);

NavHostFragment.findNavController(FirstFragment.this).navigate(action);

}

});

view.findViewById(R.id.toast\_button).setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Toast myToast = Toast.makeText(getActivity(), "Hello toast!", Toast.LENGTH\_SHORT);

myToast.show();

}

});

view.findViewById(R.id.count\_button).setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

countMe(view);

}

});

}

**Cucumber Framework:**

Gherkin Feature File :

Feature: Login functionality of social networking site Facebook.   
Given: I am a facebook user.   
When: I enter username as username.   
And I enter the password as the password   
Then I should be redirected to the home page of facebook

**Yml file :**

martin:

name: Martin Developer

job: Developer

skill: Elite

**Hook file:**

@Before ('@RegressionTest, @SmokeTest)

@ After ('@RegressionTest, @SmokeTest)

**Step Definition file:**

Given (/^ I am on career.com$/) do  
Browser.goto "http://career.com"   
end

When (/^ click on career menu$/) do  
Browser.text (:name, " career" ).click   
end

Then (/^ I should see career page$/) do  
Browser.goto "http://career.guru.com/category/career-guide/"

end