**Files used in Framework:**

**Base.java**

This file contains multiple methods such as initializeBrowser() to launch the browser and takeScreenshot() method fo taking screenshot at the time of testCase Failure.

**Festivals1.java**

This file contains methods(tests)

festivals():

* This method consists of multiple cases such as for getting the list of Festivals and then applied size on the list to get the number of festivals.
* Test 2 will list out main festivals with similar Sub Festival "Small Night In".
* Test 3 will list out main festivals with similar Sub Festival "LOL-palooza".

festivalsTest3():

* This method will return subfestival by taking Main festival as input.

**FestivalsTest2.java**

* This class contains fetivalTest2() method(test) which returns sequence no of the Festival with sub Festival as input.

**data.properties**

* This file consists of required properties which we can use in different test classes.

**Listeners**

* Which consists pf methods such as onTestStart, onTestSuccess, onTestFailure

**textng.xml**

* This file is basically uses to add parameters, listeners, cross-browser parameters, Groupings of different tests etc..

Summary:

**Project title**: **ea\_coding\_test**

**Steps taken to test the application:**

1. Created a maven project
2. Added required dependencies and plugins for selenium, testNg,Logs, webdrivermanager, SureFire plugins(to run testng.xml) in pom.xml.
3. Created Base class and added initializeBrowser() method to initialize browser and takeScreenshot() for taking screenshot whenere test case failed.
4. The above Base class can extended to other classes (Festivals1, FestivalsTest2) to avoid repeting the code.
5. Festivals1 consistes of multiple test cases to Assert different csaes also extended Base class and used initializeBrowser() method.
6. festivals() method(test)

* List outs all Festivals and their sub festivals and stored in a variable. After that applied Size on the list and returned value as 18.
* Then I have asserted by giving Expected and Actual Output. If both are matched will be passed if not Test case will fail.
* Verified that subfestival " Small Night In " is under how many Main Festivals.
* Verified that subfestival " LOL-palooza " is under how many Main Festivals.

1. festivalsTest3() method(test)

By taking Festival name as user input and should return Sub festival and that is been Asserted.

1. Festivals2

* This class consists of a test to Assert a case and extended Base class and used initializeBrowser() method.

fetivalTest2() method(test)

* In this test case taking number of the Festival as user input which prints the Festival and its sub Festival.