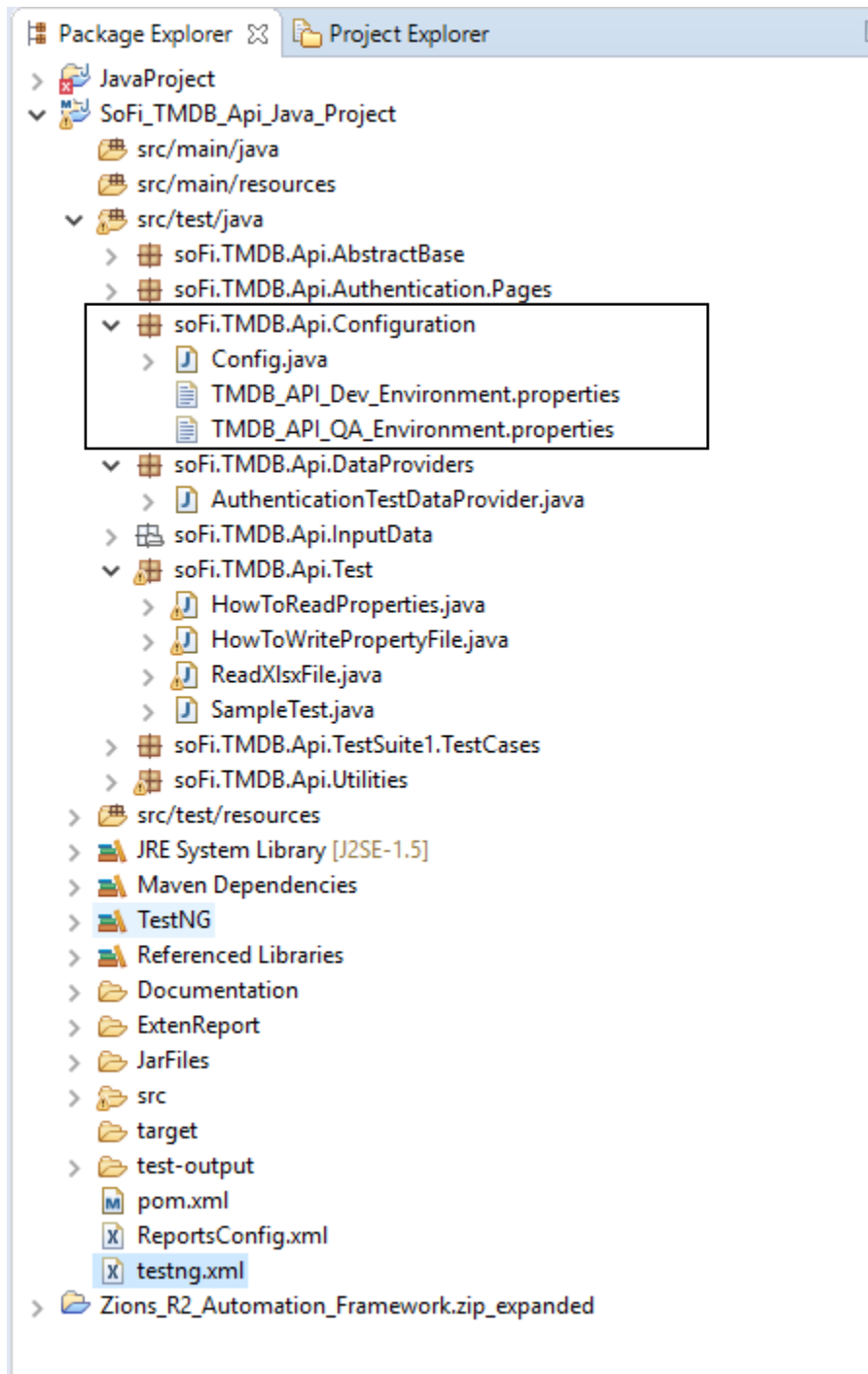


Installation Configuration and Run Project Manual

Step1: Configuration for Personal Environment



Configuration Package:

It includes three files:

Config.java: Here we have stored some project related variables. Like paths configuration for extent report, input file, and Name of Environment File (We are going to have a different Environment File to run the project on different end point, database etc).

Image of Config file.

Don't change anything in this file except the "environmentFileName" unless you don't want to run your project on your different Environment, That File name will decide on which environment you are going to run your project. I have set it as "TMDB_API_QA_Environment.properties" to run my project on QA Environment. You can set it as "TMDB_API_DEV_Environment.properties" if you want to run the project on Dev environment.

```
1 package soFi.TMDB.Api.Configuration;
2
3 public class Config {
4
5     //Run Time Variables
6     public static String request_token = null;
7
8     //Environment Config file Variables
9     public static final String environmentFileName = "TMDB_API_QA_Environment.properties";
10    public static final String environmentFileLocationProperty= System.getProperty("user.dir") + "\\src\\test\\java\\soFi\\TMDB\\Api\\Configuration\\" + environmentFileName;
11
12
13
14
15    //InputFile Location
16    public static final String TestDataFileLocation = System.getProperty("user.dir") + "\\src\\test\\java\\soFi\\TMDB\\Api\\InputData\\";
17
18    //EntenReport Folder
19    public static final String extentReportLocation = System.getProperty("user.dir") + "\\ExtentReport\\";
20
21    //ReportConfigXMLLocation
22    public static final String extentReportConfigXmlLocation = System.getProperty("user.dir") + "\\ReportsConfig.xml";
23
24    public static final String RedColour = "red";
25    public static final String GreenColour = "green";
26    public static final String blueColour = "blue";
27
28
29 }
30
```

TMDB_API_QA_Environment.proprties : file, That will have values of the properties as per QA Environment.

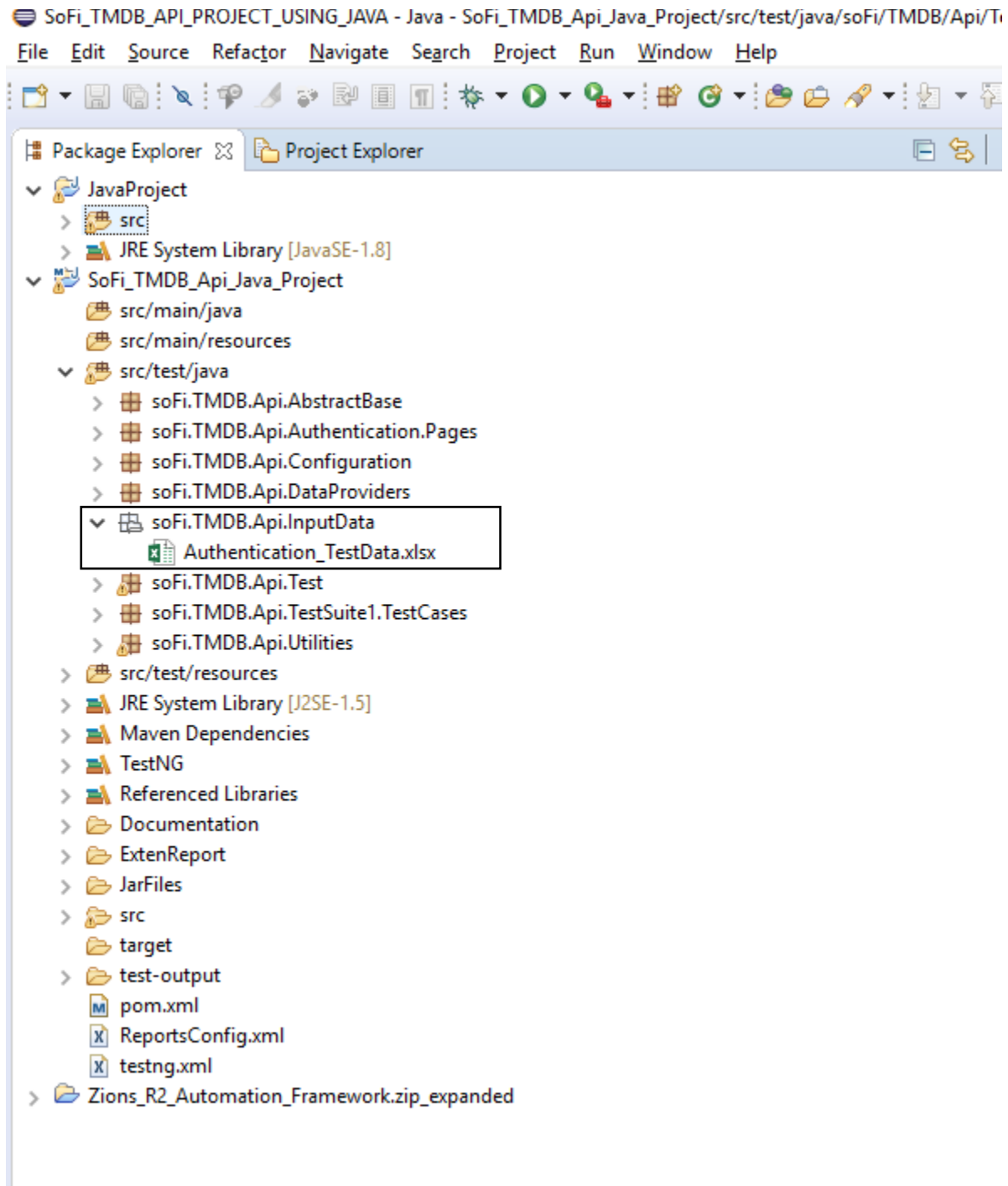
Here you change your api_key value with your api key.

*Don't change key name, only values can be changed as per environment.

```
1 #Project Variables
2 api_key=b0c049db340cadd406e370aea287faff
3
4
5 #REST API End Points:
6 AuthenticationEndPoint=https://api.themoviedb.org
7
8
9 #DB Details
10 dbDriver=oracle.jdbc.driver.OracleDriver
11 dbHOSTURL=jdbc:oracle:thin:@HostName:PortNumber:SID
12 dbHOSTUser=UserName
13 dbHOSTPwd=Password
```

ALL SET We are Ready To Run over Project.

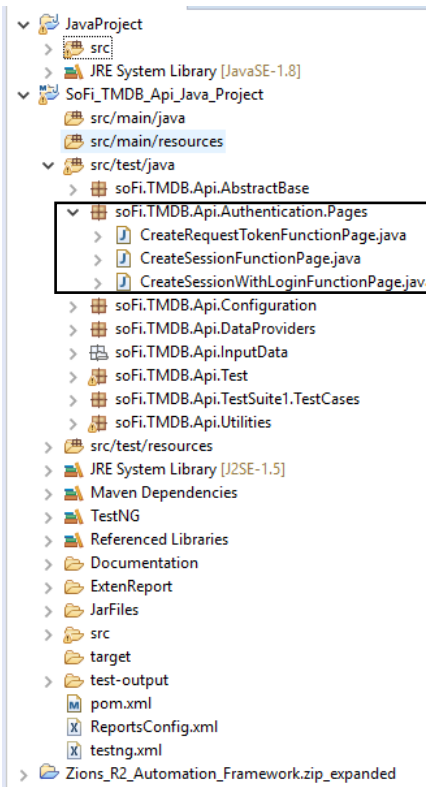
Input File Location: Highlighted in black box, Input data, Expected Data are set in this file.



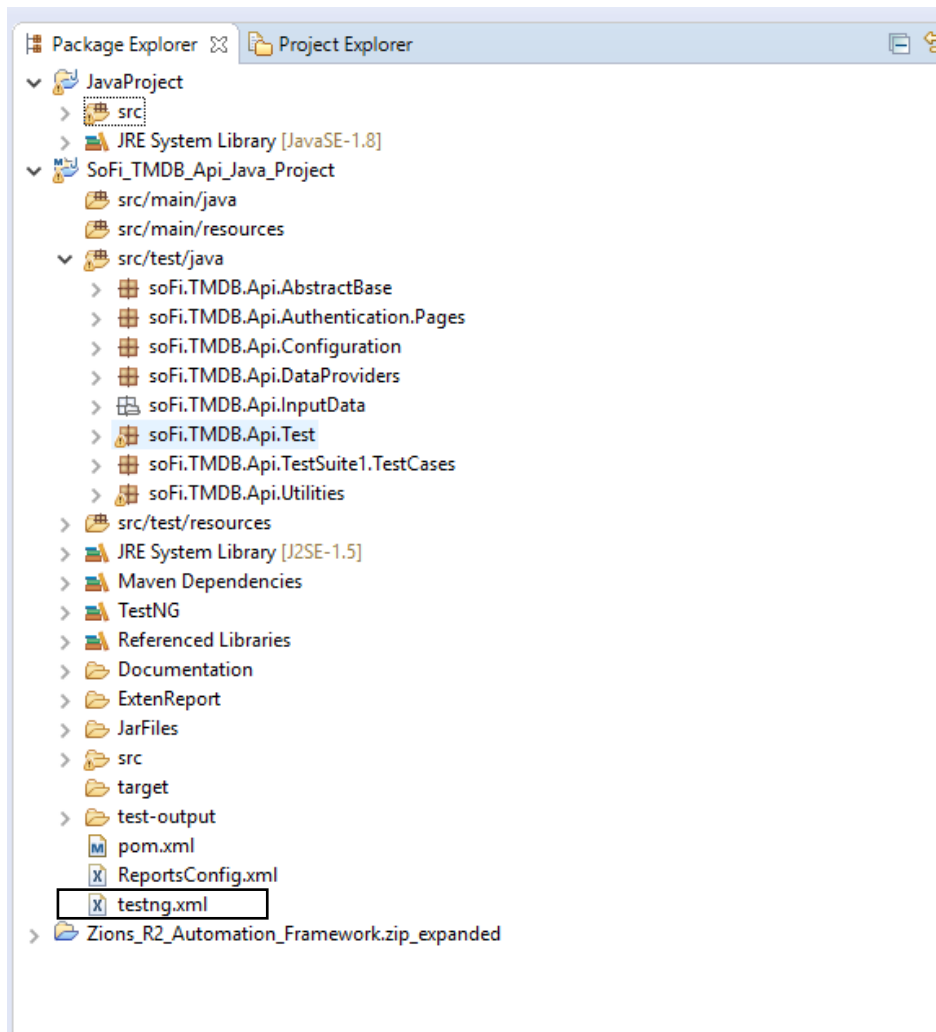
This is How input File Looks:

	A	B	C	D	E	F	G
1	TS01_TC01_Authentication_CreateTestToken_Get_With_Valid_Key_TestData						
2	TestcaseName	TestcaseDescription	RunMode	RowID	getStatusCode	status_message	success
3	TS01_TC01_Authentication_CreateTestToken_Get_With_Valid_Key	Validate Expected Response of [Create Test Token] Get Method, with Valid API Key Request	Y	1	200		true
4							
5							
6	TS01_TC02_Authentication_CreateTestToken_Get_With_Invalid_Key_TestData						
7	TestcaseName	TestcaseDescription	RunMode	RowID	Invalid_api_key	getStatusCode	status_message
8	TS01_TC02_Authentication_CreateTestToken_Get_With_Invalid_Key	Validate Expected Response of [Create Test Token] Get Method, with Invalid API Key Request	Y	1	b0c049db340cadd406e370aea287abc	401	Invalid API key: You must be granted a valid key
9							
10							
11	TS01_TC03_Authentication_CreateTestToken_Get_With_Invalid_Resource_TestData						
12	TestcaseName	TestcaseDescription	RunMode	RowID	getStatusCode	status_message	status_code
13	TS01_TC03_Authentication_CreateTestToken_Get_With_Invalid_Resource	Validate Expected Response of [Create Test Token] Get Method, with Invalid Resource Request	Y	1	404	The resource you requested could not be found.	34
14							
15							
16	TS01_TC04_Authentication_Create_Session_Get_With_Valid_Api_key_TestData						
17	TestcaseName	TestcaseDescription	RunMode	RowID	getStatusCode	status_message	success
18	TS01_TC04_Authentication_Create_Session_Get_With_Valid_Api_key	Validate Expected Response of [Create Session] Get Method, with Valid API Key	Y	1	200		
19							
20							
21	TS1_TC05_Authentication_CreateSessionWithLogin_Get_With_Valid_Key_TestData						
22	TestcaseName	TestcaseDescription	RunMode	RowID	getStatusCode	username	password
23	TS1_TC05_Authentication_CreateSessionWithLogin_Get_With_Valid_Key	Validate Response of [Create Session with Login] Get Method, with Valid API Key	Y	1	200	arpans2112	@rpaN@2648169
24							

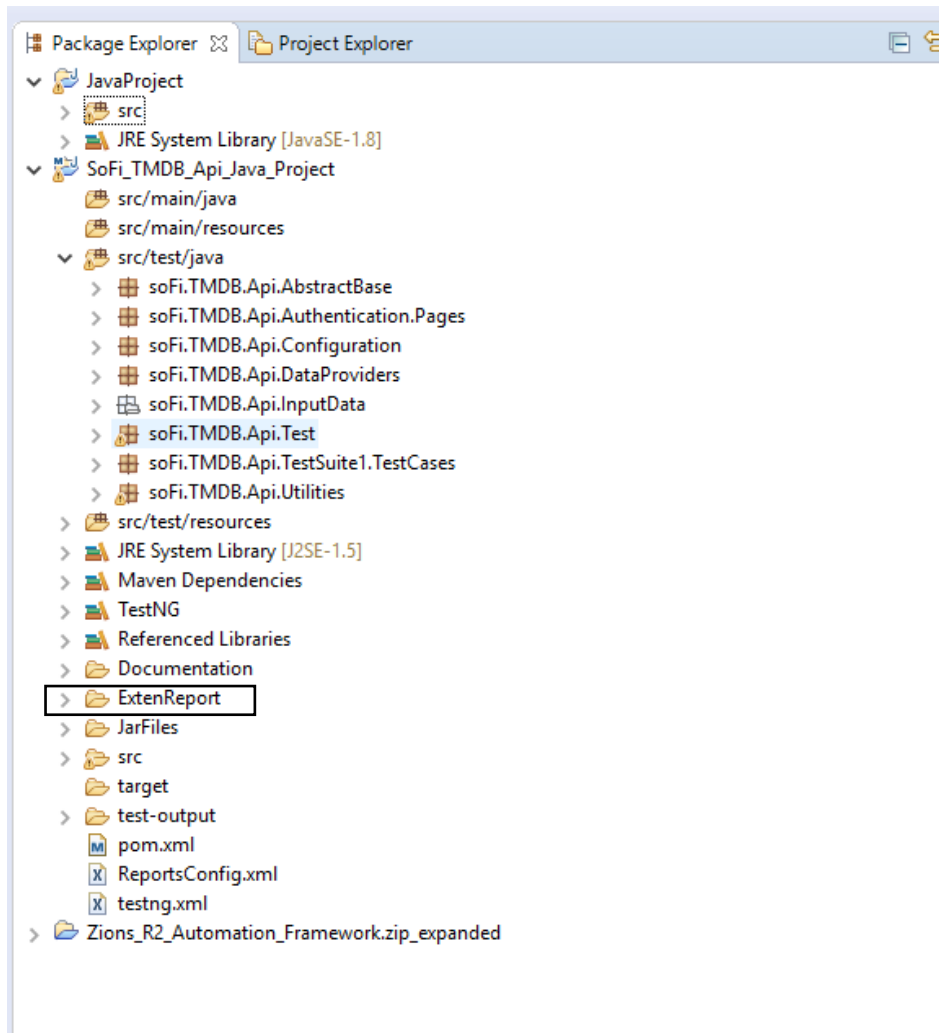
JSON Paths: Here we will have the individual files for Each function to Maintain the JSON Paths of the data we want to Retrieve. If tomorrow something changes we can easily Maintain. [Easy Maintainability]



































Run Project: Right Click on the TestNG.xml and Run as TestNG



Status Report in Extent Reporting: Report will be generated in the Folder Extent Report. Check with the Most Recent html File after you run your project as Run as TestNG.



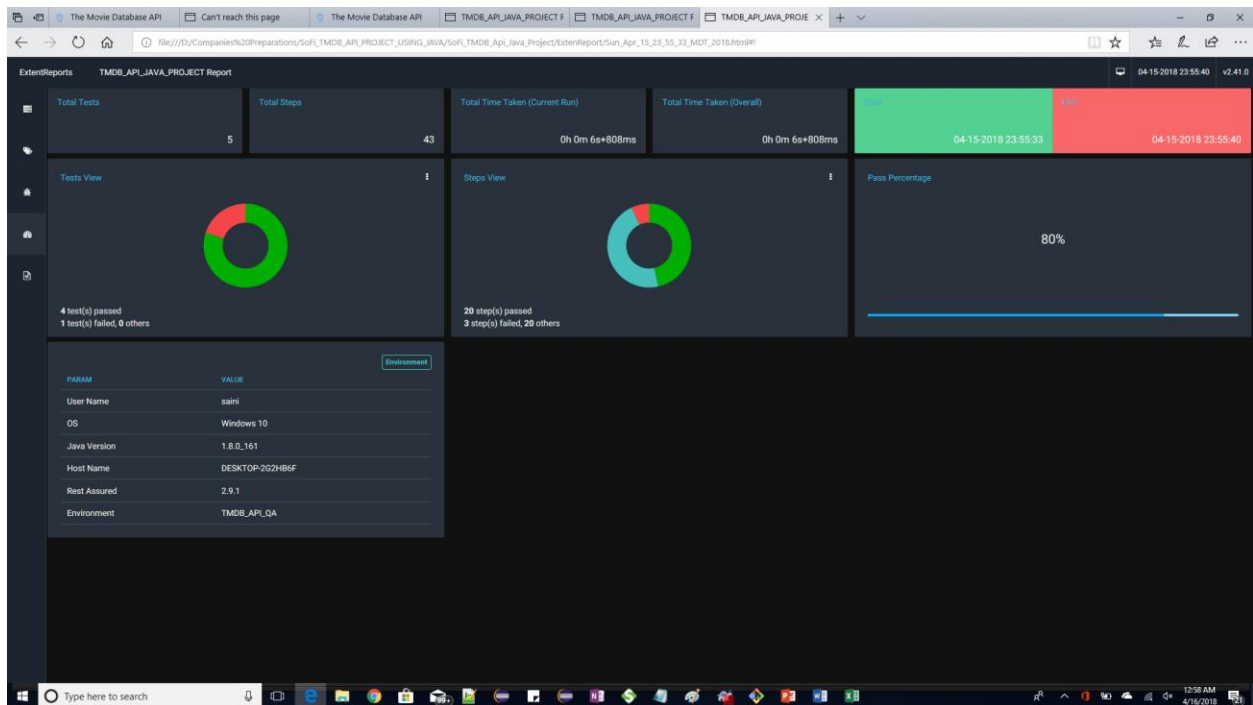
In My Case Most Recent html Report is highlighted below. Open with Chrome.

<input type="checkbox"/> Name	Date modified	Type	Size
 extentreports	4/15/2018 3:17 AM	File folder	
 Sun_Apr_15_03_17_57_MDT_2018.html	4/15/2018 3:18 AM	HTML File	22 KB
 Sun_Apr_15_03_31_23_MDT_2018.html	4/15/2018 3:31 AM	HTML File	26 KB
 Sun_Apr_15_03_32_53_MDT_2018.html	4/15/2018 3:32 AM	HTML File	26 KB
 Sun_Apr_15_03_42_27_MDT_2018.html	4/15/2018 3:42 AM	HTML File	26 KB
 Sun_Apr_15_03_47_13_MDT_2018.html	4/15/2018 3:47 AM	HTML File	26 KB
 Sun_Apr_15_03_50_04_MDT_2018.html	4/15/2018 3:50 AM	HTML File	26 KB
 Sun_Apr_15_20_48_02_MDT_2018.html	4/15/2018 8:48 PM	HTML File	18 KB
 Sun_Apr_15_21_26_56_MDT_2018.html	4/15/2018 9:27 PM	HTML File	18 KB
 Sun_Apr_15_21_28_34_MDT_2018.html	4/15/2018 9:28 PM	HTML File	28 KB
 Sun_Apr_15_21_31_23_MDT_2018.html	4/15/2018 9:31 PM	HTML File	29 KB
 Sun_Apr_15_21_32_26_MDT_2018.html	4/15/2018 9:32 PM	HTML File	29 KB
 Sun_Apr_15_21_34_00_MDT_2018.html	4/15/2018 9:34 PM	HTML File	29 KB
 Sun_Apr_15_21_35_16_MDT_2018.html	4/15/2018 9:35 PM	HTML File	18 KB
 Sun_Apr_15_22_00_58_MDT_2018.html	4/15/2018 10:01 PM	HTML File	18 KB
 Sun_Apr_15_22_02_25_MDT_2018.html	4/15/2018 10:02 PM	HTML File	44 KB
 Sun_Apr_15_22_04_44_MDT_2018.html	4/15/2018 10:04 PM	HTML File	44 KB
 Sun_Apr_15_22_08_56_MDT_2018.html	4/15/2018 10:09 PM	HTML File	18 KB
 Sun_Apr_15_22_11_23_MDT_2018.html	4/15/2018 10:11 PM	HTML File	24 KB
 Sun_Apr_15_22_13_11_MDT_2018.html	4/15/2018 10:13 PM	HTML File	24 KB
 Sun_Apr_15_23_02_18_MDT_2018.html	4/15/2018 11:02 PM	HTML File	21 KB
 Sun_Apr_15_23_03_01_MDT_2018.html	4/15/2018 11:03 PM	HTML File	21 KB
 Sun_Apr_15_23_04_31_MDT_2018.html	4/15/2018 11:04 PM	HTML File	33 KB
 Sun_Apr_15_23_05_48_MDT_2018.html	4/15/2018 11:05 PM	HTML File	22 KB
 Sun_Apr_15_23_08_13_MDT_2018.html	4/15/2018 11:08 PM	HTML File	22 KB
 Sun_Apr_15_23_10_25_MDT_2018.html	4/15/2018 11:10 PM	HTML File	20 KB
 Sun_Apr_15_23_14_00_MDT_2018.html	4/15/2018 11:14 PM	HTML File	48 KB
 Sun_Apr_15_23_28_44_MDT_2018.html	4/15/2018 11:28 PM	HTML File	23 KB
 Sun_Apr_15_23_38_27_MDT_2018.html	4/15/2018 11:38 PM	HTML File	22 KB
 Sun_Apr_15_23_40_36_MDT_2018.html	4/15/2018 11:40 PM	HTML File	22 KB
 Sun_Apr_15_23_46_35_MDT_2018.html	4/15/2018 11:46 PM	HTML File	22 KB
 Sun_Apr_15_23_55_33_MDT_2018.html	4/15/2018 11:55 PM	HTML File	41 KB

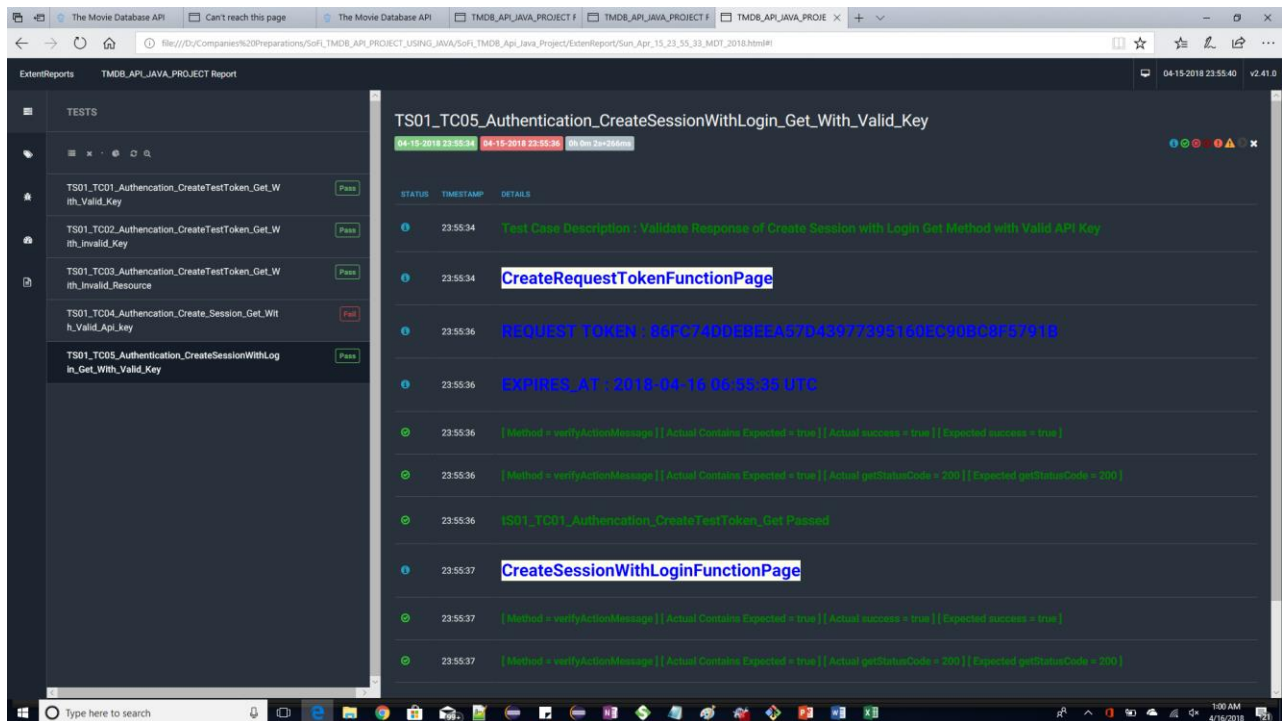
Extent Report looks Like:

Here you can see the over all status of the Execution. Like

1. Total no of Test Case Run, How many are passed, How many are failed, Total time taken, Over All percentage, and The Environment Details. Those can be configurable can be changed later



Here You can see the Details of each Step of Individual Test Case: Assertion validation, passed or Failed and More details you need for analysis.



Here we can see the Reason of Failure of Test Case: Got **"Session denied"** and **Http response code as 401** instead of 200. So, Test Case got failed and Marked as Failed

The screenshot displays the ExtentReports interface within an IDE. On the left, a list of tests is shown, with 'TS01_TC04_Authentication_Create_Session_Get_With_Valid_Api_key' marked as 'Fail'. The main panel shows the details of this failed test. The test log indicates a request to 'https://api.themoviedb.org/3/authentication/session/new' with a valid token. The response status was 'Session denied'. The assertion error is: 'java.lang.AssertionError: expected [true] but found [false]'. The error details show that the actual status code was 401, while the expected status code was 200. The test is labeled 'TS01_TC04_Authentication_Create_Session_Get_With_Valid_Api_key Failed'.

```
23:55:38 URL : https://api.themoviedb.org/3/authentication/session/new
23:55:38 Request Token : 101b62156f36795ac6519539ad8515170803155b
23:55:38 status_message : Session denied.
23:55:38 [Method = verifyActionMessage ][Actual Contains Expected = false][Actual getStatusCode = 401 ][Expected getStatusCode = 200 ]
23:55:38 TS01_TC04_Authentication_Create_Session_Get_With_Valid_Api_key Failed

java.lang.AssertionError: expected [true] but found [false]
    at org.testing.Assert.fail(Assert.java:196)
    at org.testing.Assert.failNotEquals(Assert.java:776)
    at org.testing.Assert.assertTrue(Assert.java:44)
    at org.testing.Assert.assertTrue(Assert.java:54)
    at sofl1908.Api.TestSuite1.TestCases.TS01_TC04_Authentication_Create_Session_Get_With_Valid_Api_key.TS01_TC04_Authentication_Create_Session_Get_With_Valid_Api_key(TS01_TC04_Authentication_Create_Session_Get_With_Valid_Api_key.java:113)
    at sun.reflect.NativeMethodAccessorImpl.invoke(Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke(Unknown Source)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(Unknown Source)
    at java.lang.reflect.Method.invoke(Unknown Source)
    at org.testing.internal.MethodInvocationHelper.invokeMethod(MethodInvocationHelper.java:124)
    at org.testing.internal.Invoker.invokeMethod(Invoker.java:588)
    at org.testing.internal.Invoker.invokeTestMethod(Invoker.java:716)
    at org.testing.internal.Invoker.invokeTestMethods(Invoker.java:988)
    at org.testing.internal.TestMethodWorker.invokeTestMethods(TestMethodWorker.java:125)
    at org.testing.internal.TestMethodWorker.run(TestMethodWorker.java:189)
    at org.testing.TestRunner.privateRun(TestRunner.java:648)
    at org.testing.TestRunner.run(TestRunner.java:505)
    at org.testing.SuiteRunner.runTest(SuiteRunner.java:455)
    at org.testing.SuiteRunner.runSequentially(SuiteRunner.java:458)
    at org.testing.SuiteRunner.privateRun(SuiteRunner.java:415)
    at org.testing.SuiteRunner.run(SuiteRunner.java:364)
    at org.testing.SuiteRunnerWorker.runSuite(SuiteRunnerWorker.java:52)
    at org.testing.SuiteRunnerWorker.run(SuiteRunnerWorker.java:84)
    at org.testing.TestNG.runSuitsSequentially(TestNG.java:1288)
    at org.testing.TestNG.runSuitsSequentially(TestNG.java:1137)
    at org.testing.TestNG.runSuits(TestNG.java:1049)
    at org.testing.TestNG.run(TestNG.java:1017)
    at org.testing.remote.AbstractRemoteTestNG.run(AbstractRemoteTestNG.java:114)
    at org.testing.remote.RemoteTestNG.initAndRun(RemoteTestNG.java:251)
    at org.testing.remote.RemoteTestNG.main(RemoteTestNG.java:77)
```

*****End of Document*****