**ResponseComparator**

A Comparator Tool for testing the response of requests read from two different files

**Used** : Java,TestNg,Cucumber,Maven,RestAssured

**CommandLine** way to execute the code is -----------**mvn verify**

**Design Pattern used :**

**1.**Used Cucumber feature file to describe the functionality of the test case (only one test case at the moment



2.Steps Package define the under lying java glue for the feature file



3.TestRunner converted to testng xml that help for the execution of test cases

This holds below information

-features file and their binding step definition location

-location to store the result in html

-activity that needs to executed based on the testng annotation

NOTE: The setup and teardown is not implemented in TestRunner

4.POM.xml stores all the dependencies that are need for the project .

5.The files are stored under /src/test/resources/properties

6.**package** utility; contains the below class



**ReadContentFromFile.java :**

-Read the two files

-Each line from the file is passed as a parameter to getReponse method

res1 = new RestAssuredHelper().getResponse(line1);

-The json response is stored as string

-The json response of two request are compared and the output is printed based on the output .



* Basically all the xpath of the json with key value pair is stored in the Map
* Then the two map are compared to print whether they are equal or not

RestAssuredHelper.java

-Basically takes an url and return the response

-It used RestAssured Library

-If the uiPattern does not start with http or https then custom exception is raised ,implemented by the class



-If the request is successful,the response is in JSON object .

Please Note :

The headers ,ContentType,StatusLine,StatusCode is not handled here while comparing (A basic comparision for json response is considered ).

ParseJson.java

-The method getAllXpathAndValueFromJsonObject is used to extract all the xpath and their values

-Returned as Map so that later the Map can be compared to decide whether the response are equal or not

