Let’s create the class createHTMLReport and createReport. Here we will be using the same css files as that of the emailable report. In the method createReprot() we get all the maps we have created and updated with data in driverHolding.java and get data from them and create an html report.

First we get the path of our project using System.*getProperty*("user.dir") and then using this path we save it in test-output folder.

We used FileWriter to write html code and the values from the maps into the html report.

**createHTMLReport class:**

**package** executionEngine;

**import** java.io.FileWriter;

**import** java.io.IOException;

**import** java.io.Writer;

**import** java.util.Collections;

**import** java.util.Map;

**import** java.util.Map.Entry;

**public** **class** createHTMLReport {

**public** **static** **void** createReport(String suite, String test) **throws** IOException {

Map<String, String> teststatus = executionEngine.driverHolding.*mapteststatus*;

**int** passcount = Collections.*frequency*(teststatus.values(), "Pass");

**int** failcount = Collections.*frequency*(teststatus.values(), "Fail");

**int** skipcount = Collections.*frequency*(teststatus.values(), "Skipped");

**int** totalcount = passcount+failcount+skipcount;

String path\_save = System.*getProperty*("user.dir");

System.***out***.println(path\_save);

Writer fileWriter = **new** FileWriter(path\_save+"\\test-output\\custom-Report.html");

fileWriter.write("<html>");

fileWriter.write("<head>");

fileWriter.write("<title>Custom Report</title>");

fileWriter.write("<style type=\"text/css\">table {margin-bottom:10px;border-collapse:collapse;empty-cells:show}th,td {border:1px solid #009;padding:.25em .5em}th {vertical-align:bottom}td {vertical-align:top}table a {font-weight:bold}.stripe td {background-color: #E6EBF9}.num {text-align:right}.passedodd td {background-color: #3F3}.passedeven td {background-color: #0A0}.skippedodd td {background-color: #DDD}.skippedeven td {background-color: #CCC}.failedodd td,.attn {background-color: #F33}.failedeven td,.stripe .attn {background-color: #D00}.stacktrace {white-space:pre;font-family:monospace}.totop {font-size:85%;text-align:center;border-bottom:2px solid #000}.invisible {display:none}</style>");

fileWriter.write("</head>");

fileWriter.write("<body>");

fileWriter.write("<table width = '100%'><tr><th align='center'>"+suite+" - "+test+"</th></tr></table>");

fileWriter.write("<table width = '50%'>");

fileWriter.write("<tr><th>Total</th><th>Passed</th><th>Failed</th><th>Skipped</th></tr>");

fileWriter.write("<tr><td class=\"num\">"+totalcount+"</td><td class=\"num\">"+passcount+"</td><td class=\"num attn\">"+failcount+"</td><td class=\"num\">"+skipcount+"</td></tr>");

fileWriter.write("</table>");

//Writing failed test cases

fileWriter.write("<table width = '50%'><tr><th colspan=\"3\">Failed Test Cases</th></tr>");

fileWriter.write("<tr><th>Test Case</th><th>Start Time</th><th>End Time</th></tr>");

**for** (Entry<String, String> entry : teststatus.entrySet()) {

**if** (entry.getValue().equalsIgnoreCase("fail")) {

String tcno = entry.getKey();

String starttime = driverHolding.*mapteststarttime*.get(tcno);

String endtime = driverHolding.*maptestendtime*.get(tcno);

fileWriter.write("<tr><td class=\"num attn\">"+tcno+"</td><td class=\"num\">"+starttime+"</td><td class=\"num\">"+endtime+"</td></tr>");

}

}

fileWriter.write("</table>");

//Writing passed test cases

fileWriter.write("<table width = '50%'><tr><th colspan=\"3\">Passed Test Cases</th></tr>");

fileWriter.write("<tr><th>Test Case</th><th>Start Time</th><th>End Time</th></tr>");

**for** (Entry<String, String> entry : teststatus.entrySet()) {

**if** (entry.getValue().equalsIgnoreCase("pass")) {

String tcno = entry.getKey();

String starttime = driverHolding.*mapteststarttime*.get(tcno);

String endtime = driverHolding.*maptestendtime*.get(tcno);

fileWriter.write("<tr><td class=\"num\">"+tcno+"</td><td class=\"num\">"+starttime+"</td><td class=\"num\">"+endtime+"</td></tr>");

}

}

fileWriter.write("</table>");

//Writing failed test cases exceptions

Map<String, String> testexceptions = executionEngine.driverHolding.*maptestexceptions*;

fileWriter.write("<table><tr><th colspan=\"2\">Failed Test Cases Errors</th></tr>");

fileWriter.write("<tr><th>Test Case</th><th>Errors</th></tr>");

**for** (Entry<String, String> entry : testexceptions.entrySet()) {

String tcno = entry.getKey();

String exception = testexceptions.get(tcno);

fileWriter.write("<tr><td class=\"num\">"+tcno+"</td><td><div class=\"stacktrace\">"+exception+"</div></td></tr>");

}

fileWriter.write("</table>");

fileWriter.write("</body>");

fileWriter.write("</html>");

fileWriter.close();

}

}