# Our First Realtime Project On Make My Trip

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**TEAM NAME: Hawkeyed Men On Mission** 

Caption: #Let's make our trip with Make my trip



#### **TEAM MEMBERS**

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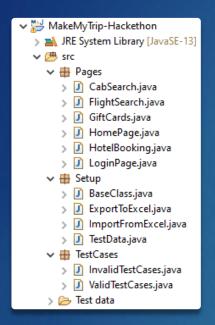
## Goals of our Project

We mainly focus to Test the functionality of:

- 1. Booking one way outstation cab.
- 2. Booking round trip Flight.
- 3. Find Group Gifting in Gift Cards, fill card details & give invalid email to check the error message.
- 4. On the Hotel booking page, extract all the available numbers for Adult persons.

## Components included in our project

> Java	Java	> Hybrid Framework	POM + DataDriven
> Selenium	sé	> Reports	Extent Reports
> POM		> Jenkins	<b>Jenkins</b>
> TestNG	TestNG.	> Grid	SELENIUM GRID- THE TOOL FOR IDEAL TESTING
> Data Driven	Data driven framework in selenium webdriver	> Support Multiple Browsers	



#### **Folder Structure**

Proper **folder structure** for **multiple** programmers to work at the same time.

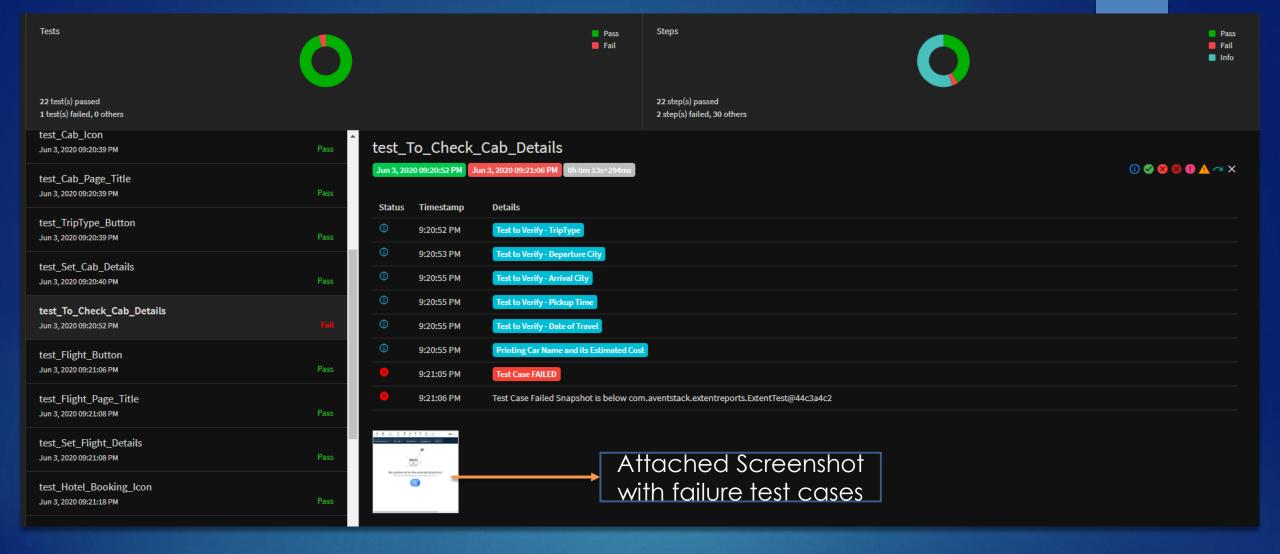


#### Selenium Grid

Implemented **Grid** to Run on **multiple browsers** on multiple OS at the same time.

#### **Jenkins**

Built our project using Jenkins.



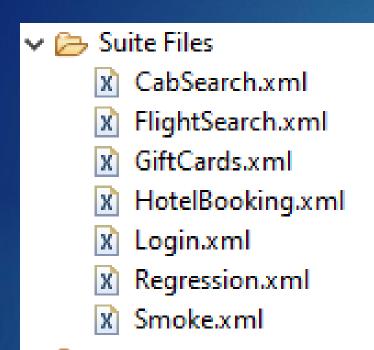
Step wise logger statements with attached screenshot in Extent Report.

Test Case ID	Test Case Name	Result of Automation Testing ( Pass/Fail )
TC_01	test_URL_Appear_Correct()	Pass
TC 02	test Home Page Title()	Pass
TC_03	test_SignIn_Button()	Pass
TC_04	test_LogIn_Details()	Pass
TC_05	test_Flight_Icon()	Pass
TC_06	test_Cab_Icon()	Pass
TC_07	test_Cab_Page_Title()	Pass
TC_08	test_OutstationOneWay_TripType()	Pass
TC_09 - TC_13	test_Set_Cab_Details()	Fail
TC_14	test_To_Check_Cab_Details()	Fail
TC_15	test_Flight_Button()	Fail
TC_16	test_Flight_Page_Title()	Fail
TC_17	test_Set_Flight_Details()	Fail
TC_18	test_Hotel_Booking_Icon()	Pass
TC_19	test_Hotel_Booking_Page_Title()	Pass
TC_20	test_Hotel_Booking()	Pass
TC_21	test_Invalid_Username_Details()	Pass
TC_22	test_Invalid_Password_Details()	Pass
TC_23	test_Same_Location_Of_Journey()	Fail
TC 24	test Invalid Date Of Journev()	Fail

Automatic status update of Automation test report with Apache poi and V-look in excel.

Defect Id	Row Labels	TEST CASE DESCRIPTION	STEPS TO EXECUTE	STATUS
D_01	<b>□TC_1</b> 5	To check whether the "Flights" icon is enabled in homepage	■ Click the flights booking Tab	Fail
D_02	■TC_16	To check if the page title matches with the Flight page Title	Just the title is alone checked by the user	Fail
D_03				

Automatic Generation of **Defect Log Report** Based on the Failed Test cases



Separate suite files to perform smoke, regression and page wise Testing.

```
C:\WINDOWS\system32\cmd.exe - java -jar selenium-server-standalone.jar -role hub -maxSession 100
11:26:49.941 INFO [GridLauncherV3.parse] - Selenium server version: 3.141.59, revision: e82be7d358
11:26:50.174 INFO [GridLauncherV3.lambda$buildLaunchers$5] - Launching Selenium Grid hub on port 4444
2020-06-04 11:26:50.661:INFO::main: Logging initialized @2175ms to org.seleniumhq.jetty9.util.log.StdErrLog
11:26:51.501 INFO [Hub.start] - Selenium Grid hub is up and running
11:26:51.502 INFO [Hub.start] - Nodes should register to http://192.168.43.131:4444/grid/register/
11:26:51.503 INFO [Hub.start] - Clients should connect to http://192.168.43.131:4444/wd/hub
11:27:13.065 INFO [DefaultGridRegistry.add] - Registered a node http://192.168.43.131:2723
 C:\WINDOWS\system32\cmd.exe - java -Dwebdriver.chrome.driver="C:\Users\SRIRAM R\eclipse-workspace\MakeMyTrip-Hackethon\Webdrivers\chro.
11:27:06.946 INFO [GridLauncherV3.parse] - Selenium server version: 3.141.59, revision: e82be7d358
11:27:07.217 INFO [GridLauncherV3.lambda$buildLaunchers$7] - Launching a Selenium Grid node on port 2723
2020-06-04 11:27:07.651:INFO::main: Logging initialized @1032ms to org.seleniumhq.jetty9.util.log.StdErrLog
11:27:08.302 INFO [WebDriverServlet.<init>] - Initialising WebDriverServlet
11:27:08.639 INFO [SeleniumServer.boot] - Selenium Server is up and running on port 2723
11:27:08.640 INFO [GridLauncherV3.lambda$buildLaunchers$7] - Selenium Grid node is up and ready to register to the hub
11:27:08.905 INFO [SelfRegisteringRemote$1.run] - Starting auto registration thread. Will try to register every 5000 ms.
11:27:12.892 INFO [SelfRegisteringRemote.registerToHub] - Registering the node to the hub: http://192.168.43.131:4444/gr
id/register
11:27:13.066 INFO [SelfRegisteringRemote.registerToHub] - The node is registered to the hub and ready to use
```

Used **Batch files** for **Multiple Node** Generation in the **hub itself** during Grid Implementation

- Used Camel-Case Naming convention and Proper Comments to improve readability.
- Used JS Executors at situations were selenium codes had chances of errors.
- No static Sleep Statements and handled all delays with dynamic waits(Implicit, Explicit).
- Used Maven for dependency management by not adding any external jars manually.
- We have additionally tested the functionality of flight booking along with the given cab, hotel and gift card pages.
- Used property files for login and browser selection (as instructed) and excel sheet to import other data.

## Overcoming the Challenges..

Challenges we faced	How we Overcame it!
Element click intercepted by other elements.	Using Java Script Executors
How to <b>wait</b> till the elements are accessible without using Thread.sleep()	Using <b>Explicit</b> and <b>Implicit wait</b> statements
How to run a <b>Grid</b> without using another physical pc server	Using <b>Batch Files</b> to create <b>Hub</b> and <b>Node</b>
How to automatically update Test status in test report and defect log	Using apache-poi and V-look features.
How to make our project user-friendly	Use our readme.txt to Execute the test and Extent Report to understand the Test Results.

## Things we learnt during this project

- ▶ How to handle a dynamically changing Web Elements.
- Proper time management in finishing weekly tasks.
- How team work and coordination can help to handle situations.
- How proper planning and work distribution can reduce time consumption.

## Beyond Everything we got confidence that

We can Learn anything when we work as a team and dedicated to it!..