

# Our First Realtime Project On Make My Trip

**COACH**

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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

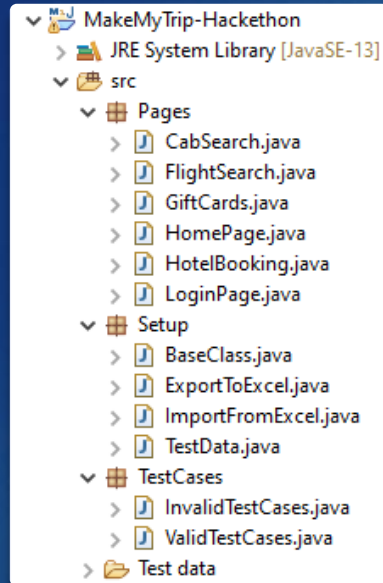
**We mainly focus to Test the functionality of:**

- 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		➤ Hybrid Framework	POM + DataDriven
➤ Selenium		➤ Reports	
➤ POM		➤ Jenkins	
➤ TestNG		➤ Grid	SELENIUM GRID- THE TOOL FOR IDEAL TESTING 
➤ Data Driven		➤ Support Multiple Browsers	

# Special Add-ons to our Project...



## Folder Structure

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



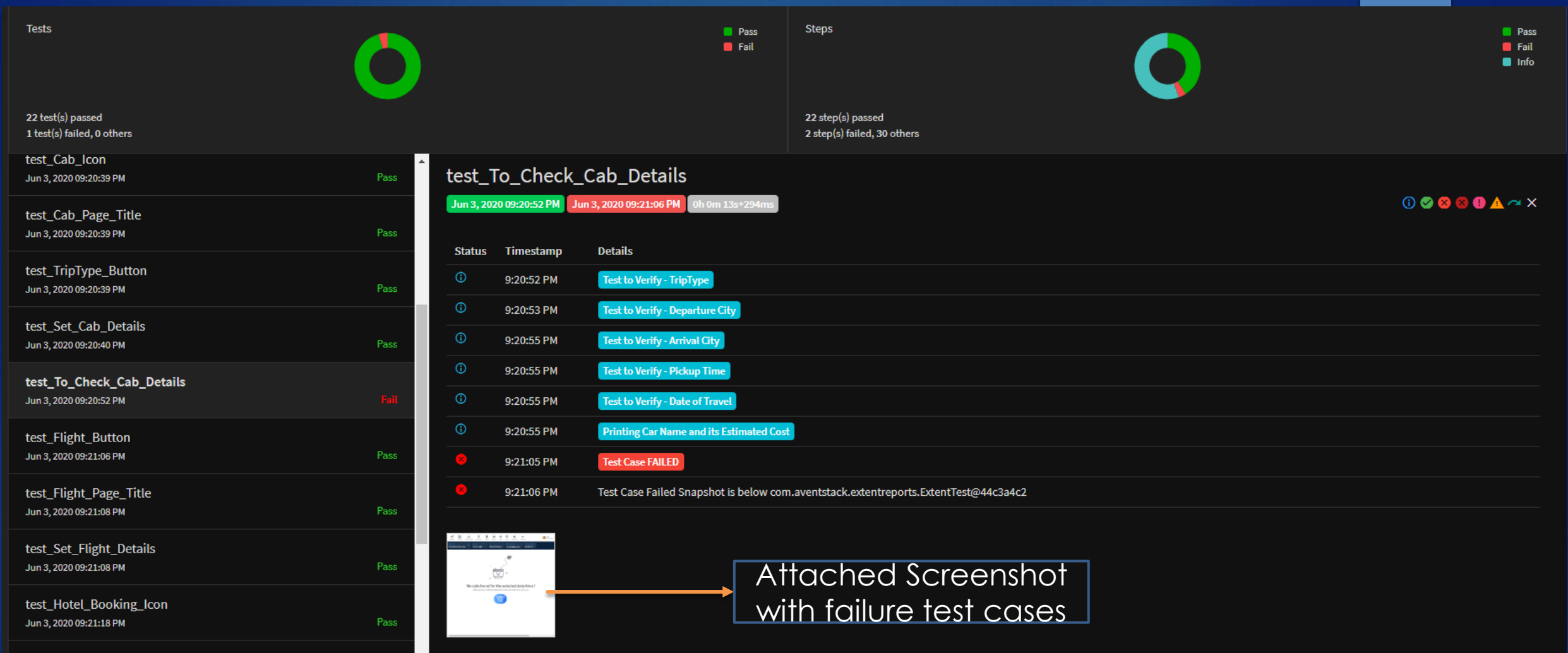
## Selenium Grid

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

```
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 29.526 s
[INFO] Finished at: 2020-05-21T13:41:17+05:30
[INFO] -----
Finished: SUCCESS
```

## Jenkins

Built our project using **Jenkins**.



Step wise **logger** statements with **attached screenshot** in **Extent Report**.



# Special Add-ons to our Project...

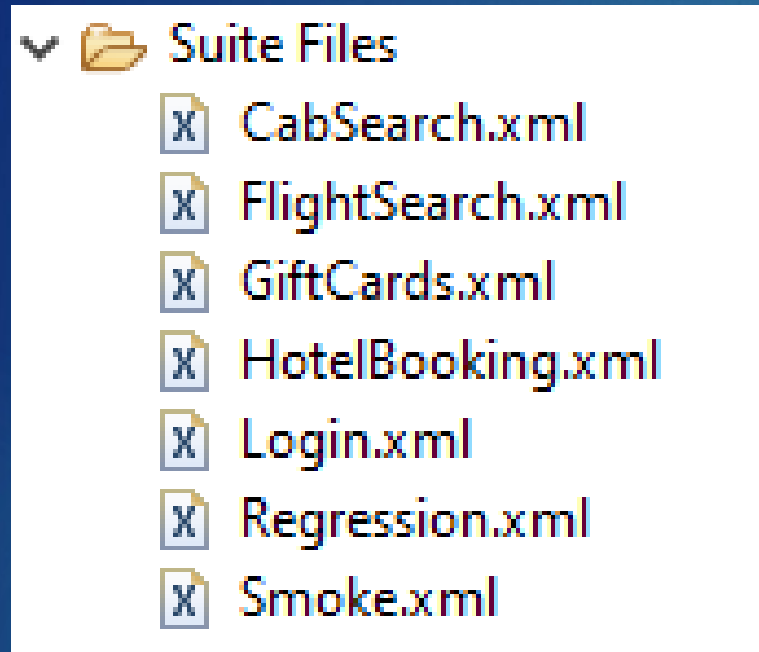
Test Case ID	Test Case Name	Result of Automation Testing ( Pass/Fail )
TC_01	test_URL_Appear_Correct()	Pass
TC_02	test_Home_Page_Title()	Pass
TC_03	test_SignIn_Button()	Pass
TC_04	test_LogIn_Details()	Pass
TC_05	test_Flight_Icon()	Pass
TC_06	test_Cab_Icon()	Pass
TC_07	test_Cab_Page_Title()	Pass
TC_08	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_Journey()	Fail

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

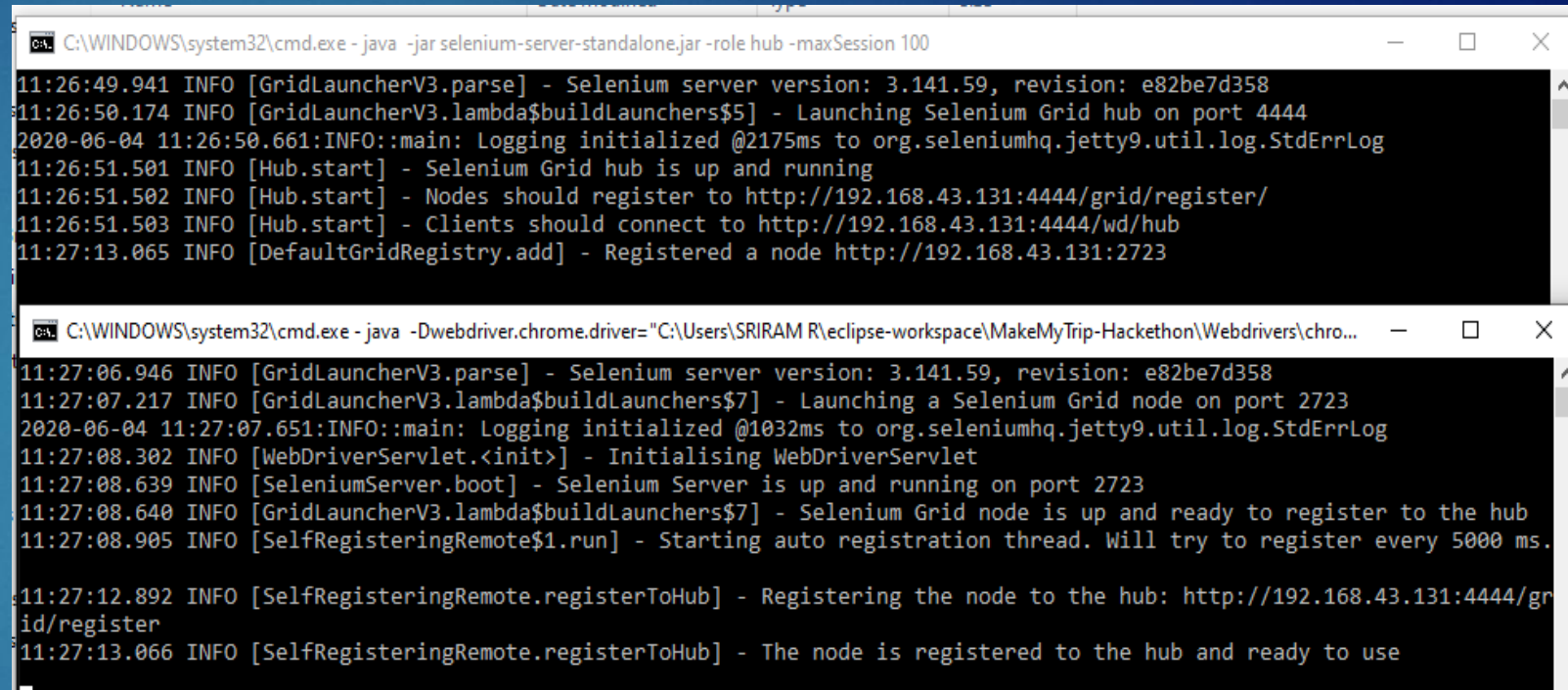
Defect Id	Row Labels	TEST CASE DESCRIPTION	STEPS TO EXECUTE	STATUS
D_01	TC_15	To check whether the "Flights" icon is enabled in homepage	Click the flights booking Tab	Fail
D_02	TC_16	To check if the page title matches with the Flight page Title	Just the title is alone checked by the user	Fail
D_03				

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

# Special Add-ons to our Project...



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



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

# Special Add-ons to our Project...

- ▶ Used **Camel-Case Naming convention** and Proper Comments to improve readability.
- ▶ Used JS Executors at situations where 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 !
<b>Element click intercepted</b> by other elements.	Using <b>Java Script Executors</b>
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 !..