**Self Introduction**

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Hai This manimaran i have total 4.6 years of experience in software testing, in that i have 3+ years of experience in Automation rest in Manual.

I am using automation tool as selenium using Java language .

I am working in various frameworks like Cucumber, TestNg, Junit and POM frameworks. Currently i am working in cucumber framework for BDD approach. and

I have good experience in various tools like Jenkins, Jira, Maven and Git.

Now I am working in Agile Methodology so I have good experience in Agile flow.

I have good knowlegede in API testing using Postman tool.

Thats all about my self.

**Roles and Responsiblities**

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Ya actually we followed the agile methodology. i am QA member here.

once i got my userstories just analyze the stories and i will start the test case and task preparation based on acceptance criteria.

then i will write the feature file then convert into the automation scripts using cucumber framework with selenium.

then execute the scripts and analyze the results.If any defects means i have rise defect to developer. then keep on track the defects until the closer.

Then I want attend diffrenet meetings like grooming,sprint planning, review and daily statnd up calls.

Incase any new joiners are there i want to provide the KT sessions also.

**Daily activities**

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Ya once log in my system i will check my mails and jira for the assigned task. then i will atten the scrum call, just update my status what yesterday i did and what i planned for today. then prepare the automation scripts and execute, view and analyse the test report and results.

incase of defect raise to the developer and keep on track the defect until the closer. then code push into my github. then end of the day i submit my EOD report then logout system.

**Defect Life Cycle or BugLife cycle**

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once i found a defect in a application i posted in jira tool. that is a new defect, then i assign that defect to the coresponding developer then the developer open that defect he will check some criterias wheather that defect is duplicate or invalid or defered. if the defect is valid then only the developer will work on it. after fixing the develepor re assign to me for retesting. after retest the functionality if the defect was fixed or not. then it fixed means i will verify and close the defect. if it not fixed means again re assign to the developer the cycle will continue until the closer.

**Project**

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**Ecommerce**

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ya my current project was one of retail app in uk. it mainly focus on the fashion and life style products and electronics. here have variaous pages like product serach, product avaiablity, description ,login, cart page, payment page, order conformation and my order page.

here i am working on cart and module features.

here i will validate the products are added to cart or not .

cart items are same what i am selected or not then in payment i will validate different mode of payments like debit , credit card and wallet payments.

these kind of action i implement cucumber framwork for automation.

then am using examples tag passing multiple set of datas.

**Airline domain**

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So currently i am working in a Airline Domain, in that we have different modules like booking reservation, PNR, baggages in that i am currently in booking module,

So basically we validate the login, flight search, payment page, booking page, cancel booking all these functinalities with all the positive and negative

testcases using Cucumber framework. So in Cucumber i will be using Examples tag to pass bulk of values,and i will also be validating whether the customer can able to select the particular flight, seat selection and payment page with different mode of payments such

as debit card, credit card, netbanking etc..

**Cucumber**

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ya in current project we use cucumber for BDD. and here once we get the userstories we convert our testcase into the feature file by using gherkin keyword like scenario, scenario outline given, when and then. after that for running the future file to create the testrunner class and mention the cucumber option feature = future file location after that it generates the snippets then create step definition file copy and paste the all steps and write the code using selenium and pom framework. then again go to the testrunner mention the stepdefinition file path glue keyword. then the framwork was exeicuted. we using some other cucumber options like dryRun, monochrome, tags and plugin. In plugin we mention report. json html and jvm report also.

then here followed hooks also for maintain the common code for entire stepdefinition. using annotations @Before and @After annotations.

In @Before mention browser launch, url launch, waits and @After mention the browser close and screenshots code and all.

**Agile or Agile Mettings**

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yes we follow the agile methodology. i am QA member in that. here we start the procees with kick start or grooming meeting product owner explain the user stories incase of any queires just ask and get the clarification then we have planning in that just we plan what are the stories need to do in this sprint, and we do the effort estimation using poker card technique then the stories assigned to us. then only we start our work. after that i preapre the task and testcases then write the automation scripts using cucumber framework and execute the scripts and

analyze the results.

after all going well once i complete all my stories and defect was fixed we move on review here we just give the demo to the client what we complete the stories in the current sprint then we have discussion about the last sprint action called retrospective meeting here we just discussed what happen in last sprint then how we do the next sprint as better

**Maven**

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Maven is the one of software build tool.It mainly used for dependency management purpose. In generally we download as a jar and need to give build path and incase of any version change means again need to download the new library and need to add build path but in maven no need to download new library if any version update simply change the version number alone pom.xml file it download automatically new version and clean the existing version. And another main reason it provides better folder structure like src main java, src main resources, src test java,

test resources, jre, maven dependency and pom.xml file .in this pom.xml file only we store all dependencies.

**POM**

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POM is nothing Page Object Model. It is also called as one design patter. this mainly we used for maintain the all our locators page wise and reusable purpose.

and we declare our all locators as a private webelement then we acces indirectly by using getters by create object for coressponding class and we call the locator where we need. here we use pagefactory class with initelements method it used to initilize the webelemntsfrom the webdriver. this we declare inside the constructor for the inilizing when the object was created.

**singleton**

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Singleton is called as one of design pattern. It is mainly used for one class having only one object. to avoiding multuple object creation of class.

we declare constructor as private for restricting the other class object creation.

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**JVM**

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First i want to give the file location where i need to store the report. then create object for configuration class mention the file path and projectname. then create object for report builder mention the configuration refrence and json report path. then call method report builder.

**Challenges**

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yes we commonly faces the locator issue when i am get new build. always the locators was changing that time we face locator issues for avoiding purpose we use some dynamix locator handling using xpath and contains concepts. The in my application we have otp verification this cant do automate. The in current application we have only popup we need to fetch the message from

that but it disapperas very few seconds then i will request to the developer to increase the time for tha appearing in page.

like that i faces some of challanges.

**Jenkins**

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ya in jenkins we use for the regression testing purpose but the configuration and all will take care of devops team i know the basic configuration in jenkins.

first we need set environment variables like java, maven, git then add plugin for maven, git, cucumber then create freestyle project add git repository url the using crone expression we shcedule the job using maven command only execute the build then post build action we use cucumber reports then save the setup if schedule the job its run on time otherwise we give build now.

**Git**

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yes we use git as a source code management tool

we first configure our username and email, then use git init - to inilize the repositiory

then use git status - to know the status of the current changes

then git add . - to add the all files

commit the code use - git commit -m "comments"

then add remote repository url use - git remote add origin url

then push the code local to remote using - git push -u origin brnachname

then i give pull request to the master he will review the code and merge the code to the master branch.

**conflicts-git**

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yes incase of conflicts we just get the updated master copy from the remote using git pull origin master then it downloaded in our local repository then we do some code rearrangement we push the again our branch the request the master the we merge the code.

**waits or synchronization**

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we have two types of wait implicit wait and explicit wait. In implicit wait it wait for all webelements once we given until the webdriver object closing.

it wait for only the webelements so we can say it unconditional wait.

in explicit wait, wait for specific webelemnt and wait for certain condition also like alert is present,visibility of element locator. once the condition statisfies it will continue the flow it will not wait for the maximum time what we given.

**Fluent wait**

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it also one of explicit wait compare to the webdriver wait it having time interavel using poolingevery method we can provide the time interavel and we can ignore the timeout exception using ignoring method.

**Verification vs Validation**

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Verification is the process of checking that a software achieves its goal without any bugs. It is the process to ensure whether the product that is developed is right or not.

Validation is the process of checking whether the software product is up to the mark or in other words product has high level requirements. It is the process of checking the validation of product i.e. it checks what we are developing is the right product. it is validation of actual and expected product.scenario

**scenario**

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Scenario is used to execute one at one time.

**Scenario Outline**

Used to execute the same scenario with multiple times with different set of test datas.

**But**

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Used to add nagative type comments

**Background**

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it is a keyword used to mention the common steps from the all scenarios in particular feature file.

**Examples**

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Used to pass parameters using the '||' (pipe symbol) to seperate each variables

pass the test data from the feature file [input data]

-The variable enclosed in "< >" (dimond tag)

dryRun--True---->It used to generate updated snippets only without running stepdefinition

**My Skills**

3 Years of experiences in area of Automation Testing and 1.5 Years of experiences in Manual. \* Selenium Web Driver with Java \* Experience in Travel and E-commerce domains. \* Have strong experience in framework like Behavior Driven Development (Cucumber), TestNG, JUnit, Page object (POM) and data-driven frame works. \* Good experience in writing X-paths to identify web elements. \* Knowledge in Developing Functions for Frame Work. \* Using Maven as Software Build tool and Jenkins as Continuous Integration Tool Hands on experience in Tracking and Reporting of defects using Defect Tracking Tool JIRA. \* Extensive experience in maintaining the code over version control using GIT. \* Performed testing like Smoke, Sanity, Regression \* Participated in all the meetings of Agile-Scrum Methodology