**ROLES AND RESPONSIBILITIES FOR MANUAL**

1. Involved in understanding manual testing process
2. Involve in understanding the crs which is given as blueprint by the developer
3. Involved in writing the scenarios ,story cards, user stories
4. Involved in discussion and rising effort and estimation in each sprint
5. Involved in discussing the test case by using the test case design and technique.
6. To check coverage we use RTM (Requirement Traceability Matrix)
7. Involved in reviewing test case
8. Involved in fixing the review comments
9. Involved in smoke testing execution
10. Involved in segregating of test cases based on severity the test case
11. Involved in re-executing the failed test scripts
12. I was part of the bug triage meeting
13. Involved in tracking the defects
14. Involved in generating the report
15. Involved in UAT(User Acceptance testing)
16. Involved in all the types of agile meetings
17. Involved in build release process as well
18. Involved in handling escalation calls

**ROLES AND RESPONSIBILITIES FOR AUTOMATION**

1. Involved in giving kt to my juniors
2. Involved in developing and understanding the framework
3. **Involved in developing the pom pages, Test data, Handling the dynamic xpath, Using reusable functions, Configuration of reports**
4. Involved in effort and estimation
5. Before I start automation I use to check the build by taking the smoke executions.
6. Involved in maintaining git activities like maintaining of framework.
7. Involved in reviewing the automation script
8. Involved in debugging in failed test script
9. **Involved in execution multiple jobs in jennkins**
10. Involved in adding the dependencies in pom.xml
11. Involved in passing the parameter in jennkins using git
12. **Involved in batch execution, cross browser execution, parallel execution by integrating third party tool testing**
13. Checking the consistency of the script by using iretry analyzer

**ROLES AND RESPONSIBILITIES OF API**

1. Swagger document
2. Perform using crud operations using the postman
3. Involved in writing json path for complex response body
4. Involved in perform request chaining
5. Involved in posting the request in different ways json object, json file, form data
6. Performed response validation in postman snippet
7. Involved in handling various parameters such as path parameter, query parameter.
8. Involved in handling barrier token
9. Involved in execution of postman collection in newman
10. Validated different http status code like 200,400 and 500 series

**ROLES AND RESPONSIBILITIES OF REST ASSURED**

1. Involved in developing the automation scripts for all the apis by using restassrued
2. Perform crud operation using restassured.
3. Validated the response time by using the hamcrest library
4. Involved in validating various response parameters using inbuilt methods in restassurd class involved in handling the authentication with the help of barrier token
5. Validated the complex response using json path
6. Involved in automating test scripts using the bdd approach
7. Involved in developing the pojo class to post the complex request
8. Involved in json formatting data and different http status code 200,400,500 series

**CHALLENGE FACED IN THE API**

1. Understanding the api document
2. Manual test cases were not clear
3. Authentication tokens were frequently changed
4. Handling complex request
5. Database validation
6. Intial configuration of the api frame work
7. Sequencing the api calls
8. Handling complex response while

**CHALENGES WE FACED WHEN WE ARE DOING THE MANUAL TESTING**

1. When ever the requirement is not clear we have to ask our senarios
2. If some one is leaving our team at that time I face the challenges
3. **Convincing the developer about the bug is challenging**
4. **Testing coverage in less amount of time is challenging**
5. **Giving the proper effort and estimation is bit challenging**
6. When we get more number of unplanned build in the sprint it will be challenging to complete the task on time
7. **Giving proper priority and severity is difficult**
8. **When ever customer make any change by that time maintaining and modifying the test document was challenging**
9. Re-executing the manual execution of regression test case was challenging
10. Where ever server is not consistent by that time we face challenge to complete the task on time
11. Exploring the application and converting the test case was challenging

**CHALENGES WE FACED WHEN WE ARE DOING THE AUTOMATION TESTING**

1. Giving the proper effort and estimation was challenging
2. **Synchronization was the big challenge**
3. **Handling the dynamic element was bit challenging**
4. **Handling the conflicts was challenging**
5. Debugging the failed script and finding the root cause was challenging
6. Configuration of Jenkins is challenging
7. Understanding the existing frame work
8. **Because of one defect if we found before the day of release it is challenging.**

**TOOLS AND TECHNOLOGIES**

1. To manage our test case or defects we use jira tool
2. To write script we use java
3. To automate or for automation we use selenium
4. To store our framework in global repository we use github
5. To execute our script we use jenkin
6. We use maven as a build management tool where we used to maintain our entire frame work