WRITE UP:

Capstone Project: Create a Testing Framework for the MedicareWebsite

Aim: To develop a comprehensive QA and test suite for the Medicare website.

Requirements:

- Postman
- Java 1.8+
- Maven
- Rest Assured dependencies
- TestNG Maven dependencies
- JMeter
- Cucumber Dependencies

Procedure For TestAssured:

- Open Eclipse.

- New maven project.

- Click on next without checking create a simple java project.

- In Filter, search for maven-archetype-quickstart then you will find apache related file.
- Click on that and click on next.

- Create Group id and Artifact id and click on finish.

- You can see some build in console.

- Click Y.

- Your project is ready.

- Now add RestAssured dependencies in pom.xml file and save it.

- Create a new package.

- Create a class file and write your code and save it.

- Run as TestNG.

- You can see the output in console.

Procedure For TestNG:

- Open Eclipse.
- New maven project.
- Click on next with checking on create a simple java project.
- Click on that and click on next.
- Create Group id and Artifact id and click on finish.
- Your project is ready.
- Now add TestNG dependencies in pom.xml file and save it.
- Create different packages for base, tests, utilities, runner, pages.
- Create different class files for base, pages, tests, utilities and write your code and save it.
- Create a file with extension as .xml for runner.
- Write your code and save it.
- Run as TestNG.
- You can see the output in console.

Procedure For JMeter:

- Open Apache JMeter.

- Create a new test plan.

- Add thread group.
- Add https script recorder.

- Add recorder controller.

- In https script recorder, choose target controller with test plan, thread group, recording controller.
- Before clicking start you need to change the proxy of your browser or your pc.
- Click start.

- Give name.

- Go to browser and give the website and do the actions.
- After completing all the actions, stop it.

- Now the actions are recorded in jmeter.

- Add a listener called as view results tree.

- Add a listener called as Aggregate report.

- Give some load called as threads in thread group.

- Save the file.

- Run the file.

- You can see the output in both view results tree and Aggregate Report.

Procedure For Cucumber:

- Open Eclipse.

- New maven project.

- Click on next with checking on create a simple java project.
- Click on that and click on next.

- Create Group id and Artifact id and click on finish.

- Your project is ready.

- Now add Cucumber dependencies in pom.xml file and save it.

- Right Click on project and config and covert it into cucumber project.

- Create different packages for features and steps.

- Create a file with extension as .feature for feature file.

- Write your code and save it.

- Create different class file for step and write your code and save it.

- Check whether it is glued or not.

- Run as Cucumber.

- You can see the output in console.

Procedure For Postman:

- Open Postman.
- Create Collection.
- Add different requests for get, put, post, delete.
- Give the url in requests and save it.
- Send the request.
- You can see the output in console.
- For json data click on body and click raw and file type json.
- Write your json data and save it.
- Send the request.
- You can see the output in console.