**Capstone Project:**

**Testing Framework for Sporty Shoes Website**

**Algorithm:**

**REST Assured:**

**Step 01 :** Open Eclipse

**Step 02 :** Create new maven Project

**Step 03 :** Create new class for get all products response

**Step 04 :** Write the program for the GET request for the link <http://localhost:9010/get-shoes>

**Step 05 :** Create new class for get all users response

**Step 06 :** Write the program for the GET request for the link <http://localhost:9010/get-users>

**Step 07 :** Create new class for add new product

**Step 08 :** Write the program for the GET request for the link <http://localhost:9010/add-shoe?id=101&image=image_url&name=SampleShoe&category=Running&sizes=9&price=1000>

**Step 09 :** Add log4j logger into the program

**Step 10 :** Run the program

**Step 11 :** Validate the response

**Selenium:**

**Step 01 :** Open Eclipse

**Step 02 :** Create new maven Project

**Step 03 :** Add TestNG and Selenium dependencies

**Step 04 :** Write programs using page object model

**Step 05 :** Create new class for each page of the website such as **loginPage**, **RegisterPage**, **AddToCartpage** etc.

**Step 06 :** Create new class as **BaseTest**

**Step 07 :** In that write program for @BeforeTest and @AfterTest annotations

**Step 08 :** Create new class as **placeOrder**

**Step 09 :** In that write program for @Test annotation

**Step 11 :** Write program to automate the Workflow which is mention blow

**Step 12 :** Run the program

**Step 13 :** Validate the results

**Workflow for Selenium:**

**Step 01 :** Open chrome browser

**Step 02 :** Maximize the browser window

**Step 03 :** Navigate to http://localhost:9010/

**Step 04 :** Click on Register User or New User Link

**Step 05 :** Enter Username

**Step 06 :** Enter Email ID

**Step 07 :** Enter Password

**Step 08 :** Click on Register button

**Step 09 :** Go to the Login page

**Step 10 :** Login with the valid credentials

**Step 11 :** On the next page click on Add to Cart button corresponding to first product on the list

**Step 12 :** Click on Cart link on the navigation bar

**Step 13 :** On the Cart page click on Place Order button

**Step 14 :** On the next Verify the text “Success!”

**Step 15 :** Close the browser window

**JMeter:**

**Step 01 :** Open Chrome browser

**Step 02 :** Record a workflow using the blazemeter extention

**Step 03 :** Download the record

**Step 04 :** Open the JMeter

**Step 05 :** Add the downloaded record to JMeter

**Step 06 :** Add a Listener class

**Step 07 :** Click on Run button

**Step 09 :** Verify the reponse

**Postman:**

**Step 01 :** Open Postman

**Step 02 :** Create new GET request

**Step 03 :** Enter the link <http://localhost:9010/get-shoes>

**Step 04 :** Create new GET request

**Step 05 :** Enter the link <http://localhost:9010/get-users>

**Step 06 :** Create new POST request

**Step 07 :** Enter the link <http://localhost:9010/add-shoe?id=101&image=image_url&name=SampleShoe&category=Running&sizes=9&price=1000>

**Step 08 :** Click on Send button

**Step 09 :** Verify the reponse