IIHT

Web Automation Using Java and Selenium v0.1

Proficiency – PL2

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# Problem Statement

Following activities need to perform using following tool set

Tool Chain

|  |  |  |
| --- | --- | --- |
| Competency | Skill | Skill Detail |
| Presentation | HTML/CSS/Javascript |  |
| Core | Java |  |
| Testing | Selenium |  |
|  |  |  |
|  |  |  |
|  |  |  |

# NFT Skill set coverage

|  |
| --- |
| 50 NFT MC1 - Software Engg. Basics for NFT (PL2) - Selenium (PL2) - Python (PL2) |

# Business-Requirement:

Develop the front end and do testing of the application with below guidelines:

|  |  |  |
| --- | --- | --- |
| User  Story # | User Story Name | User Story |
| US\_01 | User need to automate the login page | Open the website, user click on Profile Icon and select Login/Signup link. Enter the Mobile number and followed by OTP to successful login <https://www.myntra.com/> |
| US\_02 | User need to add the item to a cart | As a user search for a product in the respective website and add a product to a cart |
| US\_03 | User need to checkout | As a user need to check out the product by providing Billing and Shipping address |
| US\_04 | User need to view payment screen | As a user need to view the payment screen post the address confirmation(No need to perform payment) |
| **End of use case** | | |

# Rubrics/Expected Deliverables

## Middleware

1. Use Python based scripts to develop the above given user stories.
2. Use necessary configurations in requirements.txt file
3. Use virtualenv for better coding and best practice
4. Package Structure for Project should is with proper naming conventions for package and beans.
5. Follow proper Naming Conventions

## Database (Products & Frameworks -> Database & Storage):

1. As an application developer:
   1. Add the registration users to the database and fetch the details whenever needed
   2. One can use local DB – Oracle or MySQL with JDBC driver

## Testing – Automation Test

1. Use Page Object Model
2. Add appropriate web browser driver
3. Add locators, exception
4. Handle Alerts, Pop-ups, Waits
5. Close Brower Instances

# Frontend

* + - 1. Develop the front end for all user stories.
      2. Implement using HTML, CSS, JS
      3. Implement all the Front-End validation rules
      4. Proper naming conventions and folder structures