PROBLEM STATEMENT

Need to automate the following activities using Selenium + Python

USECASE OF PYTHON SELENIUM APPLICATION WITH YAKSHA HEATH APP

BUSINESS REQUIREMENTS

The Yaksha HealthApp is a comprehensive healthcare management solution designed to streamline operations within hospitals, clinics, and pharmacies. Developed by Danphe Health, this platform integrates various functionalities to enhance patient care, administrative efficiency, and overall healthcare service delivery.

Background
In the evolving landscape of healthcare, the need for integrated digital solutions has become paramount. Traditional methods of managing patient records, inventory, and administrative tasks are often fragmented, leading to inefficiencies and potential errors. The Yaksha HealthApp addresses these challenges by offering a unified platform that encompasses:

- **Electronic Medical Records (EMR):** Facilitates the digital documentation of patient health information, ensuring accuracy and easy accessibility for healthcare providers.
- **Enterprise Resource Planning (ERP):** Assists in managing the organization's resources, including finance, human resources, and supply chain, to optimize operational efficiency.
- **Disease Registry:** Enables the systematic collection of data related to specific diseases, aiding in research and public health monitoring.
- **Health Information Exchange:** Promotes the secure sharing of patient information across different healthcare settings, enhancing coordinated care.
- **Syndromic Surveillance:** Monitors health data in real-time to detect and respond to potential outbreaks of diseases promptly.
- **Patient Portal:** Empowers patients by providing access to their health records, appointment scheduling, and direct communication with healthcare providers.

The platform is currently deployed as a test server for User Acceptance Testing (UAT) and training purposes, allowing healthcare institutions to familiarize themselves with its features and functionalities before full-scale implementation.

As a Test automation specialist, you are required to build a selenium code in python to implement the following function

The URL provide is https://healthapp.yaksha.com/.

As a automation test builder you are supposed to complete the code

Project structure.

VM-Python-Health-App-PL1-Selenium-Solution-main

Tests

-Pages

|- Login page

|-Verfification page

TestData

- Verification.xslx

This is the folder structure you are supposed to complete the code inside the login page and verification page

- Using the login function the verify the user is able to login in the application
- Click on the Verification Module drop-down arrow and verify submodules.
- Navigate to the Inventory section and verify tabs and buttons visibility.
- Navigate between the Inventory and Pharmacy submodules.
- Switch between tabs in the Verification module and verify navigation.
- Apply a date filter using "From" and "To" fields and verify results.
- Hover over the star/favorite icon and verify the tooltip text.
- Select a date range, navigate away, and verify the date range is remembered.
- Select the "Last 1 Week" date range and verify displayed results match.
- Verify that all radio buttons (Pending, Approved, Rejected, All) are selectable.
- Select "Active" in the requisition status dropdown and verify filtered records.
- Click "View" for a requisition and verify navigation to the requisition detail page.
- Verify that the total record count matches the displayed result count.
- Scroll up and down the page and verify elements are visible at each position.
- Attempt to create a requisition without required fields and verify error message

Functional Test Cases Document

Test Case ID	Description	Steps	Expected Result
TC-01	Using the login function, verify the user is able to login in the application.	1. Navigate to the login page. 2. Enter valid credentials. 3. Click 'Login.'	The user is successfully logged in and navigated to the home/dashboard page.
TC-02	Click on the Verification Module drop-down arrow and verify submodules.	1. Click the Verification Module drop-down arrow. 2. Verify the presence of 'Inventory' and 'Pharmacy' submodules.	Both 'Inventory' and 'Pharmacy' submodules are visible and accessible.
TC-03	Navigate to the Inventory section and verify tabs and buttons visibility.	1. Navigate to the Inventory section. 2. Verify tabs such as 'Requisition' and 'Purchase Request.' 3. Verify buttons like 'Next,' 'Previous,' and 'OK.'	All tabs and buttons are displayed and functional.
TC-04	Navigate between the Inventory and Pharmacy submodules.	1. Navigate to the Inventory submodule. 2. Switch to the Pharmacy submodule.	User successfully navigates between Inventory and Pharmacy submodules.
TC-05	Switch between tabs in the Verification module and verify navigation.	1. Navigate to the Verification module. 2. Switch between tabs like 'Purchase Request,' 'Inventory,' etc.	Tabs switch seamlessly, and the content updates accordingly.
TC-06	Apply a date filter using 'From' and 'To' fields and verify results.	1. Select the 'From' and 'To' date fields. 2. Choose appropriate date ranges. 3. Click 'OK' to apply the filter.	Results displayed match the selected date range.
TC-07	Hover over the	1. Navigate to the	Tooltip displays the

	star/favorite icon and verify the tooltip text.	relevant section. 2. Hover over the star/favorite icon.	text 'Remember this date.'
TC-08	Select a date range, navigate away, and verify the date range is remembered.	1. Select a date range. 2. Navigate to another section. 3. Return to the date filter section.	The previously selected date range is retained.
TC-09	Select the 'Last 1 Week' date range and verify displayed results match.	1. Apply the 'Last 1 Week' date range filter. 2. Verify displayed results.	All results fall within the selected date range.
TC-10	Verify that all radio buttons (Pending, Approved, Rejected, All) are selectable.	1. Click on each radio button: 'Pending,' 'Approved,' 'Rejected,' and 'All.'	All radio buttons are clickable and selectable.
TC-11	Select 'Active' in the requisition status dropdown and verify filtered records.	1. Navigate to the requisition status dropdown. 2. Select 'Active.' 3. Verify the filtered records.	Records displayed match the selected 'Active' status.
TC-12	Click 'View' for a requisition and verify navigation to the requisition detail page.	1. Select a requisition record. 2. Click the 'View' button for the selected record.	User is navigated to the requisition detail page for the selected record.
TC-13	Verify that the total record count matches the displayed result count.	1. Apply filters (e.g., date range or status). 2. Verify the total record count at the bottom of the page matches the displayed results.	Record counts are consistent and accurate.
TC-14	Scroll up and down the page and verify elements are visible at each position.	1. Scroll to the bottom of the page and verify visibility of elements (e.g., 'Previous' button). 2. Scroll back to the top and verify visibility of elements (e.g., 'Pending' radio button).	Elements are visible and functional at both top and bottom positions.
TC-15	Attempt to create a requisition without required fields and verify error message.	1. Navigate to the 'Purchase Request' section. 2. Attempt to create a requisition without filling required fields.	An appropriate error message is displayed for missing required fields.

		3. Verify the displayed error message.	

NOTE: "Please do not delete any file in the src folder. But you are free to add any other file".

Expectations:

1) Learners should write automation script using python and selenium to automate all the steps inthe above question. In other words, automation script should perform all mentioned steps.
2) Learners should the data mentioned in the excel to check with the validation

IMPLEMENTATION/FUNCTIONAL REQUIREMENTS

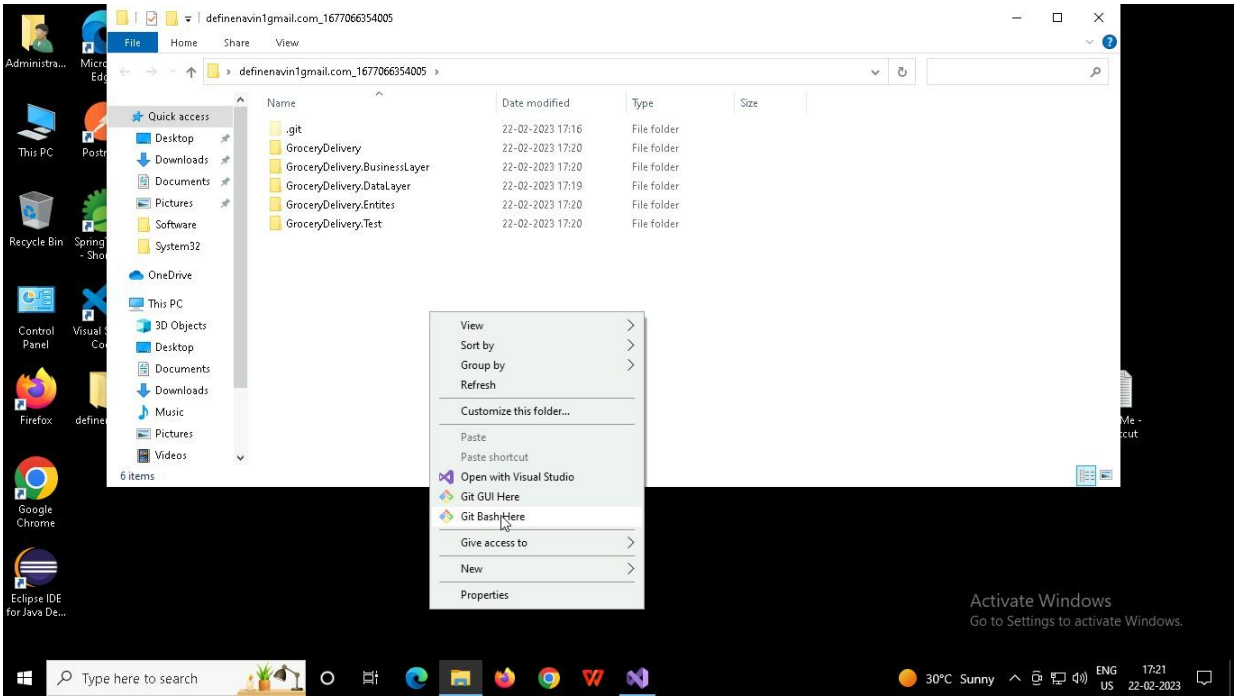
1.1 CODE QUALITY/OPTIMIZATIONS

1. Associates should have written clean code that is readable.
2. Associates need to follow SOLID programming principles.

EXECUTION STEPS TO FOLLOW

1. You are mandatory required to run test cases for applications before final submission.Without which project evaluation will not happen
2. **You can run the pytest using the terminal in vs code**
3. **Before final submission, you are also required to push your code to GIT.**
   Following arethe steps to follow:

Right click in folder and open Git Bash



In Git bash terminal, run following commands
git status
git add .
git commit -m “First commit”
(You can provide any message every time you commit)
git push