

YAKSHA HEALTH APP WITH TYPESCRIPT AND PLAYWRIGHT

Mymedic automation using playwright

Usecase summary

Project Name:opensource-demo.orangehrmlive.com app – HR management system.

Use Case Summary: opensource-demo.orangehrmlive.com is designed to manage Employee record. Records (HRMS). It allows users to view, search, and manage employee records. It features functionality such as adding/editing employee details, filtering data by department and role, and exporting records. The primary use case is to automate the process of employee data management, ensuring efficient and reliable operations for human resources teams in organizations

Technology Stack:

- **Automation Tool:** Playwright (for testing)

Key Features:

- **Patient Record Management:** Add, edit, and delete Employee records.
- **Filtering and Search:** Search Employee records: by date range, name, department, and more.
- **Export Functionality:** Export records for offline access.

Expected Outcomes:

- Automate key HR operations like employee record handling, filtering, and validation.
- Ensure the accurate retrieval and modification of employee records, enhancing operational efficiency.

Overview of the application

Pages/Features that are to be focused for the application

Please use the Application URL <https://opensource-demo.orangehrmlive.com>

PROBLEM STATEMENT

Need to automate the following activities using playwright+typescript

You will be given few Json files in Data folder like doctor.json, login.json, maternity.json, medicalRecord.json, pharmacy.json, radiology.json and subStore.json.

Path	File	Description
src\data	login.json TestData.json	1. Contains data to read from json file.

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src\ pages	<ul style="list-style-type: none"> • AdminPage • BuzzPage • LoginPage • MyInfoPage 	<ol style="list-style-type: none"> 1. All core activities to be performed here. 2. The comments associated with each templated method here describe the expectation. 3. Declare any variable/object you need to share data/status between different methods. 4. Do not modify the signature of methods declared here.
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Here's a detailed table format for the test cases to be tested

Test Case No.	Test Case Name	Test Steps to be performed	Path & Method Used	Expected Result
1	Verify Image could be Uploaded as profile Pic	1.The application should read the data from login.json file and fetch the user's name and password. 2.It should call the method performLogin() and myinfo() 3.Perform the myinfo method from MyInfoPage and perform the pic upload and set as profile pic. 4.Verify profile pic should be updated. It is must to implement this login functionality at first and then implement any other test case.	Reference path \src\pages\MyInfoPage methods performLogin() ,myInfo() You can use highlightElement method present in CommonMethods file to highlight the element before performing any action on it. It takes locator as a parameter.	image should get replaced
2	Verify Admin can edit record	<ol style="list-style-type: none"> 1. Login using valid credentials 2. Click on "Admin" tab in sidebar 3. Click on "edit" button 	Reference path \src\ pages\AdminPage methods performLogin(), AdminEdit() You can use highlightElement method present in CommonMethods file to highlight the element before performing any action on it. It takes locator as a parameter.	Verify edit user form appears
3	Verify the Admin can sort the records	<ol style="list-style-type: none"> 1.Login using valid credentials 2. Click on "Admin" tab in sidebar 3. Click on "sort" button 	Reference path \src\ pages\AdminPage methods performLogin(), adminSort() You can use highlightElement method present in	List should get sorted accordingly

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Test Case No.	Test Case Name	Test Steps to be performed	Path & Method Used	Expected Result
			CommonMethods file to highlight the element before performing any action on it. It takes locator as a parameter.	
4	Verify new Tab opens on clicking the "Upgrade" button		Reference path \src\ pages\ AdminPage methods performLogin() ,upgrade() You can use highlightElement method present in CommonMethods file to highlight the element before performing any action on it. It takes locator as a parameter.	PicUpgrade to advance tab should open
5	PicUpgr ade to advance tab should open.	1.Login using valid credentials 2. Click on "Admin" button in sidebar 3. Hover upon "?" button	Reference path \src\ pages\ MyinfoPage methods PerformLogin(),HelpHover You can use highlightElement method present in CommonMethods file to highlight the element before performing any action on it. It takes locator as a parameter.	Help" should be displayed on hovering over the "?" button in top right
6	Verify admin Seearch Functionality	1. Login using valid credentials 2. Click on "Admin" button in sidebar 3. Enter the user role as admin from dropdown. 4. Click on "Search" button	Reference path \src\pages\ AdminPage methods : performLogin(), Adminsearchhh()	List having role "admin" should be displayed.
7	verify Image could be dragged and dropped in buzz tab	1. Login using valid credentials 2. Click on "Buzz" tab in sidebar 3. Click on share photo button 4. Click on image area to up 5. drag & drop image> Click on Share button	Reference path \PageObjects\Pages\ BuzzPage methods PerformLogin(),SharePhotoPost()	Image should get uploaded
8	Verify Like button is Functional	1. Login using valid credentials 2. Click on "Buzz" tab in sidebar	Reference path \src\pages\ LoginPage	Heart count should increase by 1 on clicking the like button

Test Case No.	Test Case Name	Test Steps to be performed	Path & Method Used	Expected Result
		3. Click on Heart button on any post in the List	methods performLogin(), BuzzPage() You can use highlightElement method present in CommonMethods file to highlight the element before performing any action on it. It takes locator as a parameter.	
9	Verify the Comment could be added to a post	1. Login using valid credentials 2. Click on "Buzz" tab in sidebar 3. Click on Comment button on any post in the List 4. Enter a message and press enter key	Reference path \src\ pages\ BuzzPage methods PerformLogin(),addCommentToPost(). You can use highlightElement method present in CommonMethods file to highlight the element before performing any action on it. It takes locator as a parameter.	comment should added post.
10	Verify "Edit Post" Functionality.	1. Login using valid credentials 2. Click on "Buzz" tab in sidebar. 3. Click on Edit button on any post of user in the List 4. Enter a message and Click on Post button Note :- If you cannot find the locator for "Proceed" button, please try to keep the page at 75%-80%.	Reference path \src\pages\ BuzzPage methods PerformLogin() ,editPost() You can use highlightElement method present in CommonMethods file to highlight the element before performing any action on it. It takes locator as a parameter.	post message should get edited

Learners will gain experience in building strongly-typed applications using React.js and managing data flow with **TypeScript**. They'll learn how to define interfaces, use types for error prevention, and improve code maintainability. URL <https://opensource-demo.orangehrmlive.com>

app. Key skills include:

- **Browser Automation:** Interacting with web elements and testing multiple browsers.
- **Assertions & Validations:** Ensuring app behaviour meets expected results.
- **End-to-End Testing:** Automating real user interactions and validating overall app functionality.

IMPLEMENTATION/FUNCTIONAL REQUIREMENT

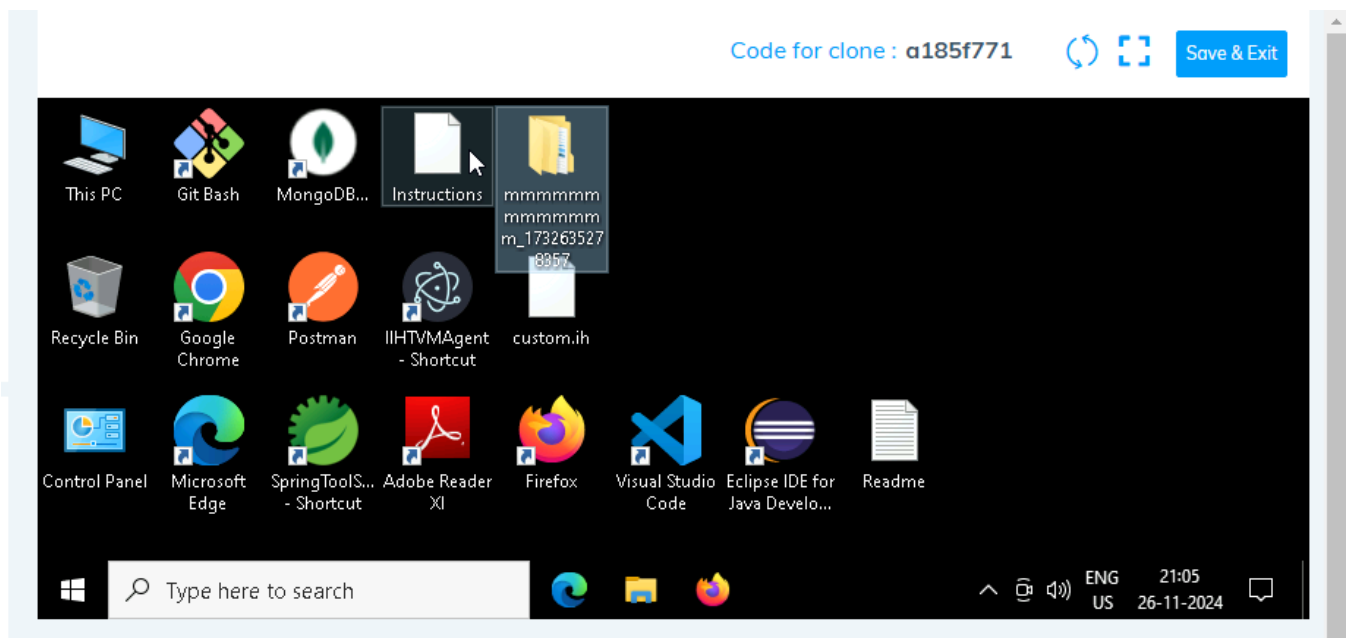
1.1 CODE QUALITY/OPTIMIZATIONS

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

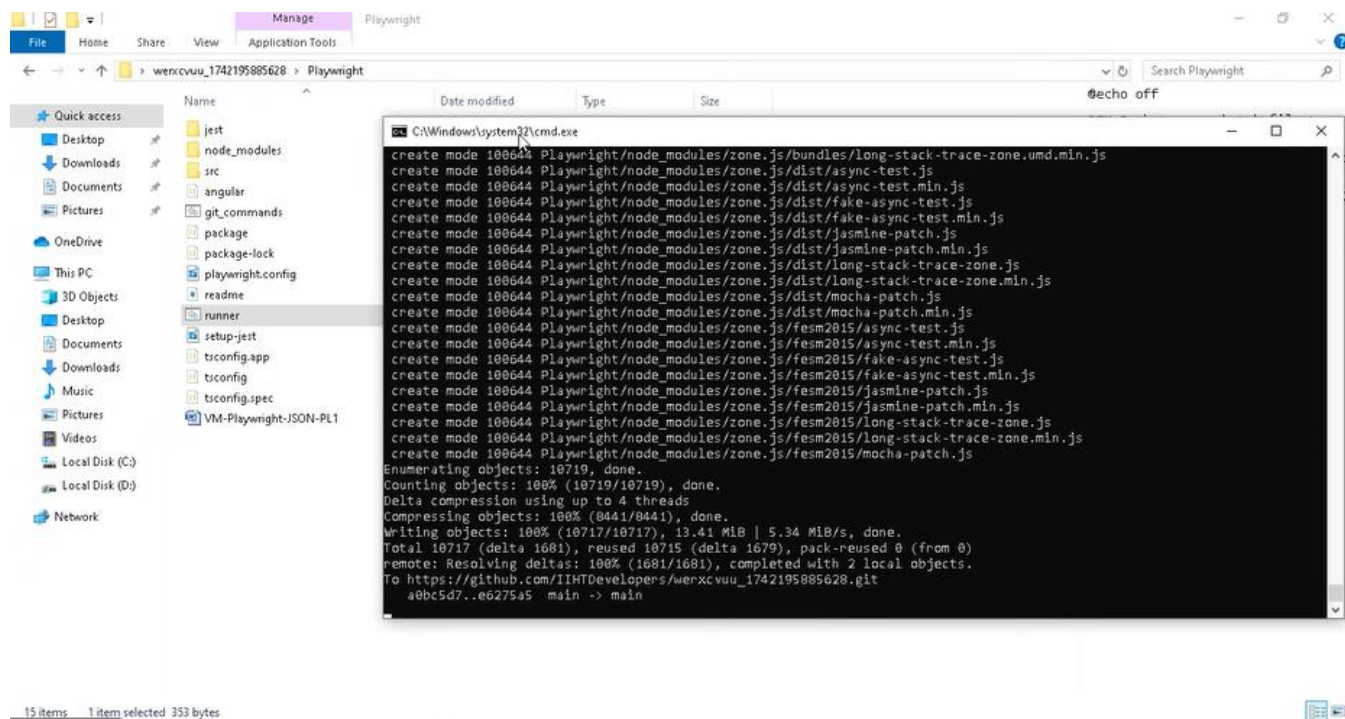
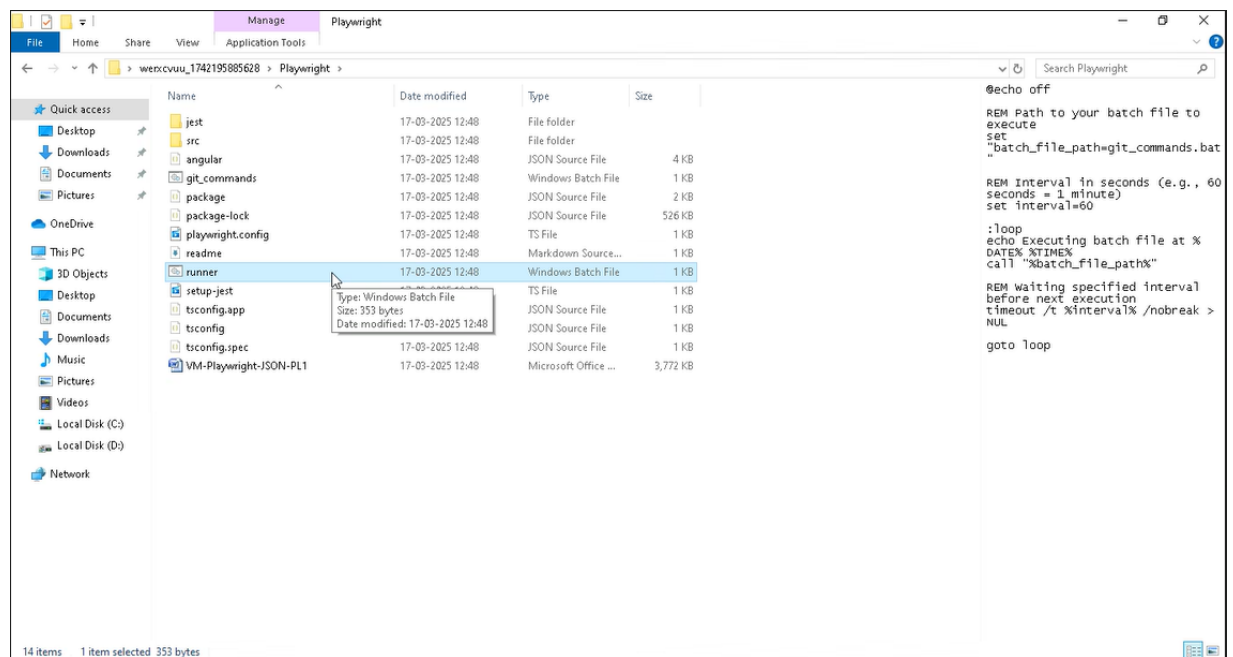
Execution Steps:

Steps for Execution:

1. Please open the folder created on desktop with the email name you used to login.



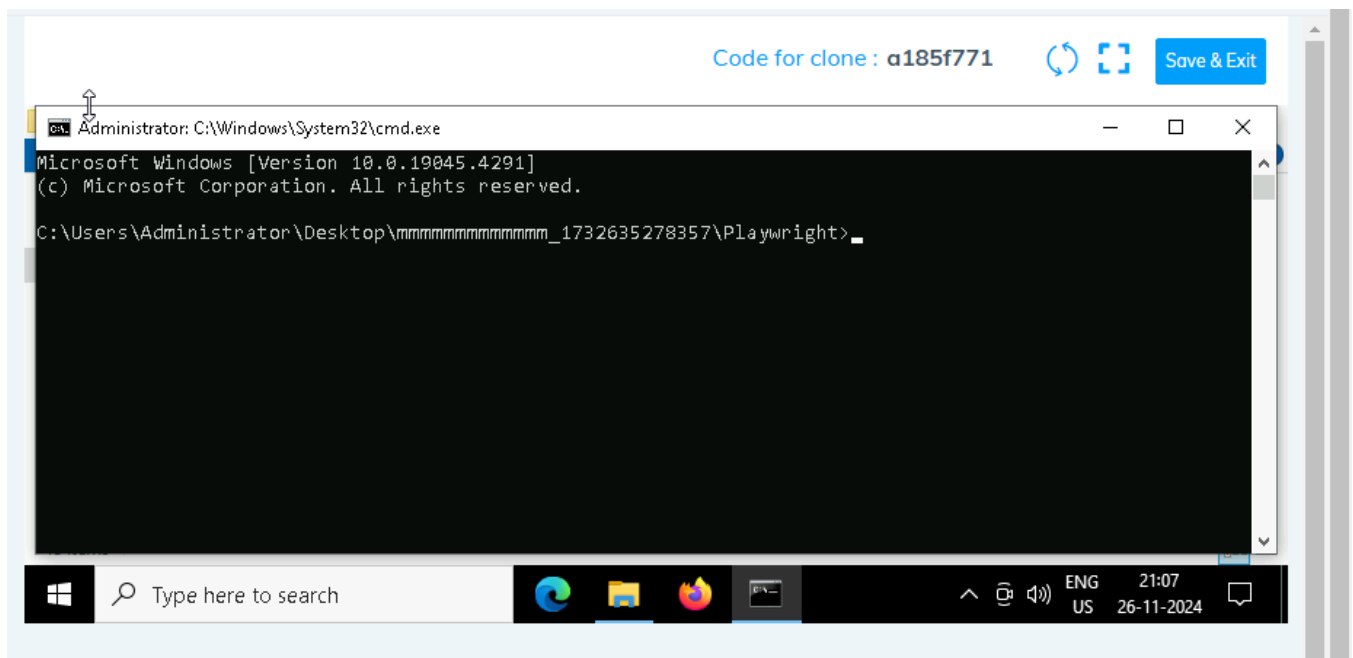
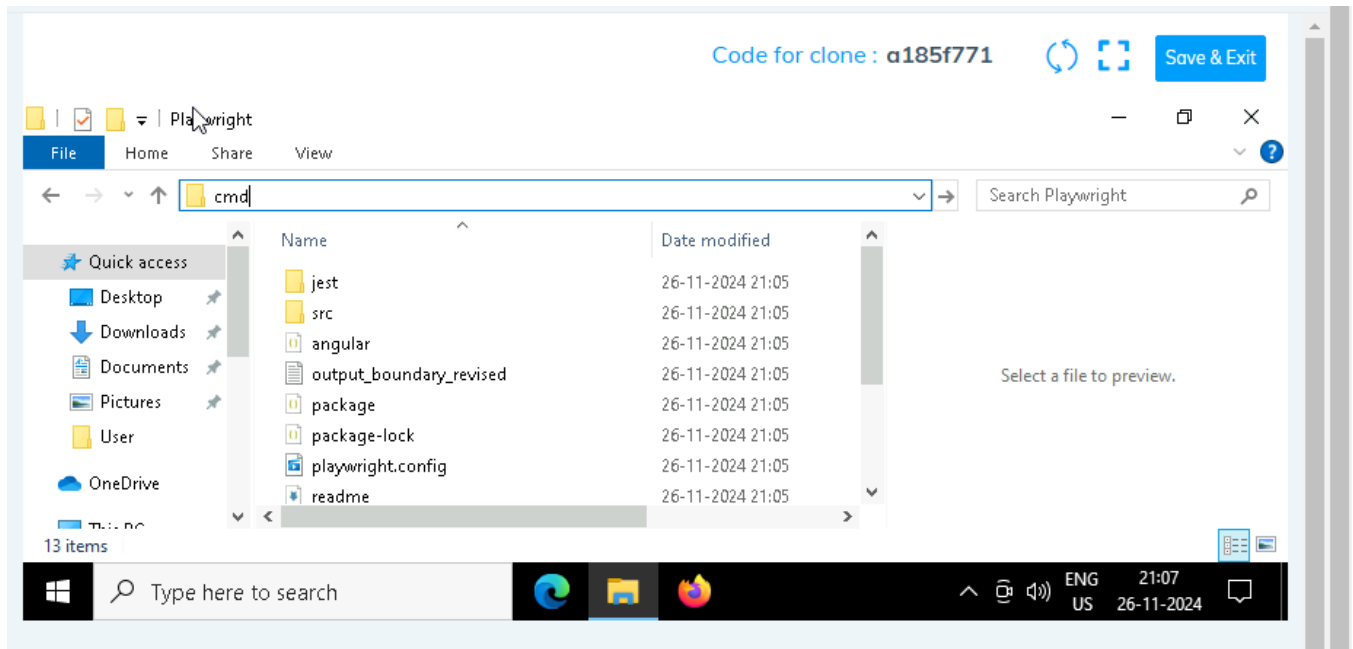
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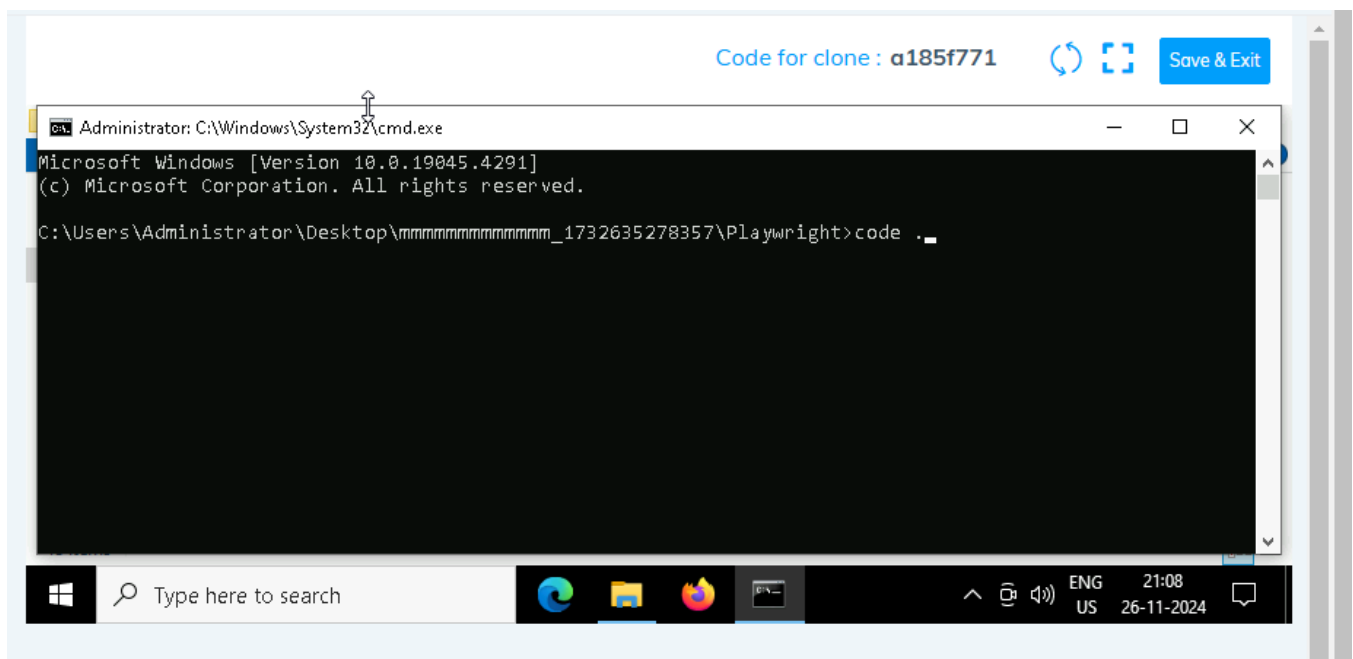
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3. Open command prompt with its location and use below command:

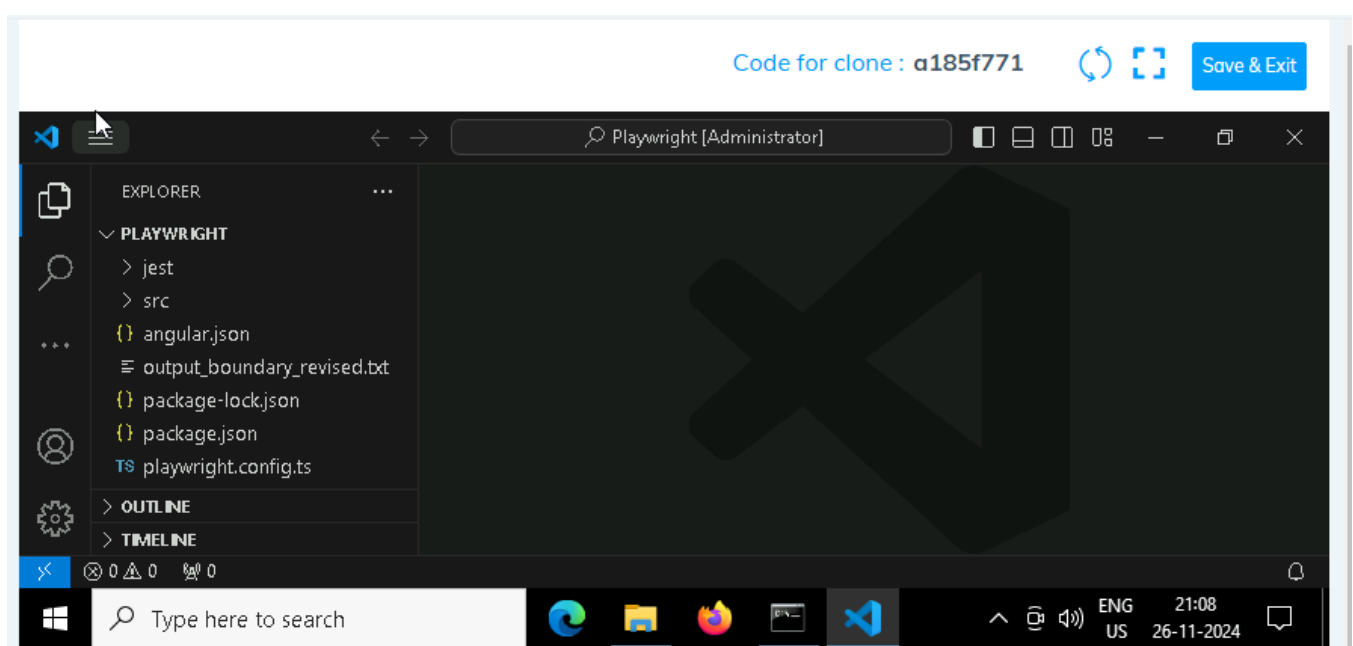
code .



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4. Once VsCode is open. Please open the terminal in Playwright folder:



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5. Install all dependencies in the Playwright folder path using:

```
npm install
```

6. Install playwright in the Playwright folder path:

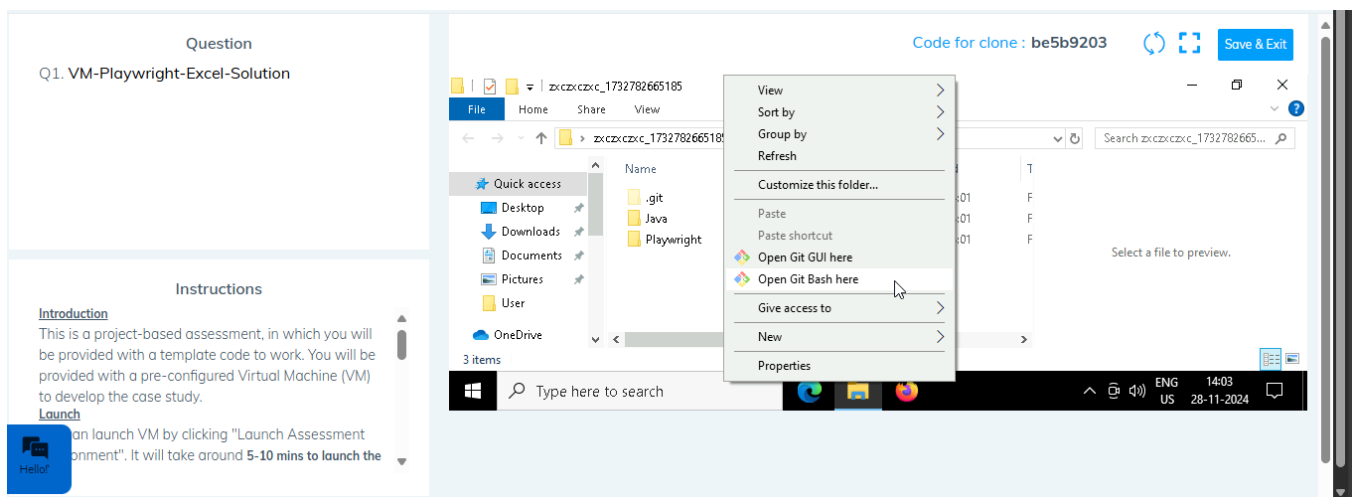
```
npx playwright install
```

7. Run the Tests in the Playwright folder path:

```
npx playwright test ./src/tests/PL1_testcases/yaksha.spec.ts
```

8. Once you have executed the test cases. Now it is necessary to push your code to git. For this, please go inside the folder created on desktop with the email id you have used to login and then:

1. Open gitbash



2. Add all files

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Project

Speed Test
Avg: 4.36Mbps

Live: >= 10Mbps

Time
Remaining: 02:54:11

Final Submission

Question

Q1. VM-Playwright-Excel-Solution

Instructions

Introduction

This is a project-based assessment, in which you will be provided with a template code to work. You will be provided with a pre-configured Virtual Machine (VM) to develop the case study.

Launch

You can launch VM by clicking "Launch Assessment Environment". It will take around 5-10 mins to launch the

Code for clone : be5b9203

Save & Exit

File Explorer

MINGW64/c/Users/Administrator/Desktop/zxczxczxc_1732782665185

Administrator@4f6d8dad9dbf5e2 MINGW64 ~/Desktop/zxczxczxc_1732782665185 (main)
\$ git add .

Search zxczxczxc_1732782665...

Select a file to preview.



Windows Taskbar

Type here to search

ENG US 14:05 28-11-2024

3. Commit the changes








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Code for clone : be5b9203   Save & Exit



MINGW64:/c:/Users/Administrator/Desktop/zxczxczxc_1732782665185

warning: in the working copy of 'Playwright/node_modules/zone.js/plugins/zone-patch-rxjs/package.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/zone.js/plugins/zone-patch-socket-io.min/package.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/zone.js/plugins/zone-patch-socket-io/package.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/zone.js/plugins/zone-patch-user-media.min/package.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/zone.js/plugins/zone-patch-user-media/package.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/zone.js/testing/package.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/zone.js/zone.d.ts', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/zone.js/zone_externs.js', LF will be replaced by CRLF the next time Git touches it

Administrator@4f6d8dad9dbf5e2 MINGW64 ~/Desktop/zxczxczxc_1732782665185 (main)
\$ git commit -m "committing the updates"

 Type here to search      ENG 14:10
US 28-11-2024 








4. Push the changes

Code for clone : be5b9203   Save & Exit

MINGW64:/c:/Users/Administrator/Desktop/zxczxczxc_1732782665185

create mode 100644 Playwright/node_modules/zone.js/plugins/zone-patch-message-port/package.json
create mode 100644 Playwright/node_modules/zone.js/plugins/zone-patch-promise-test.min/package.json
create mode 100644 Playwright/node_modules/zone.js/plugins/zone-patch-promise-test/package.json
create mode 100644 Playwright/node_modules/zone.js/plugins/zone-patch-resize-observer.min/package.json
create mode 100644 Playwright/node_modules/zone.js/plugins/zone-patch-resize-observer/package.json
create mode 100644 Playwright/node_modules/zone.js/plugins/zone-patch-rxjs-fake-async.min/package.json
create mode 100644 Playwright/node_modules/zone.js/plugins/zone-patch-rxjs-fake-async/package.json
create mode 100644 Playwright/node_modules/zone.js/plugins/zone-patch-rxjs.min/package.json
create mode 100644 Playwright/node_modules/zone.js/plugins/zone-patch-rxjs/package.json
create mode 100644 Playwright/node_modules/zone.js/plugins/zone-patch-socket-io.min/package.json
create mode 100644 Playwright/node_modules/zone.js/plugins/zone-patch-socket-io/package.json
create mode 100644 Playwright/node_modules/zone.js/plugins/zone-patch-user-media.min/package.json
create mode 100644 Playwright/node_modules/zone.js/plugins/zone-patch-user-media/package.json
create mode 100644 Playwright/node_modules/zone.js/testing/package.json
create mode 100644 Playwright/node_modules/zone.js/zone.d.ts
create mode 100644 Playwright/node_modules/zone.js/zone_externs.js

Administrator@4f6d8dad9dbf5e2 MINGW64 ~/Desktop/zxczxczxc_1732782665185 (main)
\$ git push

 Type here to search      ENG 14:12
US 28-11-2024 

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