YAKSHA HEALTH APP WITH TYPESCRIPT AND PLAYWRIGHT PL2-5

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://yakshahrm.makemylabs.in/orangehrm-5.7

PROBLEM STATEMENT

Need to automate the following activities using playwright+typescript

You will be given few Json files in Data folder like Login.json and TestData.Json

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

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src\ pages	- AdminPage - LeavePage - LoginPage - PIMPage - RecruitmentPage	1. All core activities are 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.

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 new User canbe created**	1. Login to url with valid credentials 2. Click on "Admin" subtab 3. Click on "Add" button 4. fill the form & hit save button **It must implement this login functionality at first and then implement any other test case.**	**Reference path** \src\pages**AdminPage** **Methods** AdminAdd() **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.**	New user should be added to the list
2	**Verify new User can be created in previous step can perform the login with valid credentials**	1. Create a user in admin tab 2. logout 3. Verify new user created could loggin succesfully	**Reference path** \src\ pages**AdminPage** **Methods** verifyNewUser() **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.**	New user should be able to login

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			Reference path \src\ pages**Adminpage** **Methods:-** verifyESS() **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.**	
3	**Verify non admin user doesn't have access to 'admin' tab**	1. Create a user(ESS) in admin tab(Non admin) 2. logout 3. login using New user created 4. verify admin tab is not present in the sidebar		Admin tab should not be present in the sidebar
4	**Verify the non admin user could be upgraded to admin**	1. Create a user (ESS) in admin tab (Non admin) 2. Click on "pencil" icon 3. Change user role from dropdown 4. set it to admin,click save button	Reference path \src\ pages**Admin** **Methods:** upgradeAdmin() **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 the user get upgraded to admin in the list
5	**Verify the delete selected function ality**	1. Login using valid credentials 2. Click on "Admin" subtab 3. Add new jobs to the list 4. Click on 'select all' button 5. Click 'delete selected' button 6. click 'yes delete' button	Reference path \src\ pages**AdminPage** **methods** deleteJob() **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.**	All the jobs should get deleted from the list
6	**Verify error appears when Notes size increase 255 character**	1. Login using valid credentials 2. Click on "Admin" subtab 3. Click on 'organization' subtab 4. Toggle on 'edit' switch 5. Enter string over 255 characters in notes	Reference path \src\pages**AdminPage** **methods:** inputLimit()	Error message stating 'Should not exceed 255 characters' should be displayed
	Verify the sample	1. Login using valid credentials	Reference path \PageObjects\Pages**PIMPage**	

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7	**csv file get download ed succesfull y**	2. Click on "PIM" subtab 3. Select 'Data Import' option from Configuration dropdown 4. Click on 'Download' link	**Methods**: downldCsv()	Sample csv should get downloaded
8	**Verify the selected count is displayed correctly**	1. Login using valid credentials 2. Click on "PIM" subtab 3. Select 'Termination Reason' option from Configuration dropdown 4. Select first 3 reason from the list 5. Verify the count is displayed as 3	**Reference path** \src\pages**PIMPage** **Methods:** countTermination()	Count should be displayed Accurately
9	**Verify the image gets uploaded**	1. Login using valid credentials 2. Click on "PIM" subtab 3. Select 'Add Employee' option >Click save button 4. Upload an Image from the device	**Reference path** \src\ pages**PIMPage** **Methods** addPIMImage() **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 the image gets uploaded succesfully
10	**Verify Client Logo could not be uploaded above 1 mb**	1. Login using validCredential 2. Click on "admin" in the sidebar 3. Click on the "Corporate branding" tab 4. Click the Client Logo Browse button 5. Select the desired file from device and click open button. **Note :- If you cannot find the locator for "Proceed" button, please try to keep the page at 75%-80%.**	**Reference path** \src\pages**AdminPage** **Methods** companyLogo() **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.**	Incorrect Dimension Error should Display

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11	**Verify Holiday Search Functionality**	1. Login using valid credentials 2. Click on "Configure" subtab 3. Select 'Holidays' option 4. Click on Fill from and to Date 5. Click on Search Button **Note :- If you cannot find the locator for "Proceed" button, please try to keep the page at 75%-80%.**	**Reference path** \src\pages**LeavePage** **Methods :** holiday() **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 the holiday between the selected date is Displayed
12	**Verify the Recruitment link is working fine**	1. Login using valid credentials 2. Click on "Recruitment" subtab 3. Select 'Vacancies' option 4. Click on web page url **Note: - If you cannot find the locator for "Proceed" button, please try to keep the page at 75%-80%.**	**Reference path** \src\pages**Recruitment** **Methods:** recritmentLink() **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 a new url is opened on clicking the url
13	**Verify Language change Functionality**	1. Login using valid credentials 2. Click on "admin" in the sidebar 3. Click on the "Configuration" tab 4. Click the Localization button 5. Select the desired Language from the dropdown (Chinese) 6. Click on Save button **Note**: **- If you cannot find the locator for "Proceed" button, please try to keep the page at 75%-80%.**	**Reference path** \src\pages**AdminPage** **Methods:** changeLanguage() **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.**	Successfully Updated alert should be displayed

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14	Verify Candidate could be Deleted Succesfully	1. Login using valid credentials 2. Click on "Recruitment" subtab 3. Select 'Candidates' option 4. Click on Delete option (Bin Icon) **Note: - If you cannot find the locator for "Proceed" button, please try to keep the page at 75%-80%.**	**Reference path** \src\pages**Recruitment** **Methods:** deleteCandidate() **You can use highlight Element method present in Common Methods file to highlight the element before performing any action on it. It takes locator as a parameter.**	Verify the candidate gets removed from the list
15	Verify Required Field Error in Leaves Tab displays when required field is empty	1. Login using valid credentials 2. Click on "leave" in the sidebar 3. Click on the "assign Leave" button 4. Click on "Assign" button without filing any details in any field **Note: - If you cannot find the locator for "Proceed" button, please try to keep the page at 75%-80%.**	**Reference path** \src\pages**LeavePage** **Methods: -** verifyLeaveField() **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 the candidate details gets Downloaded from the list

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
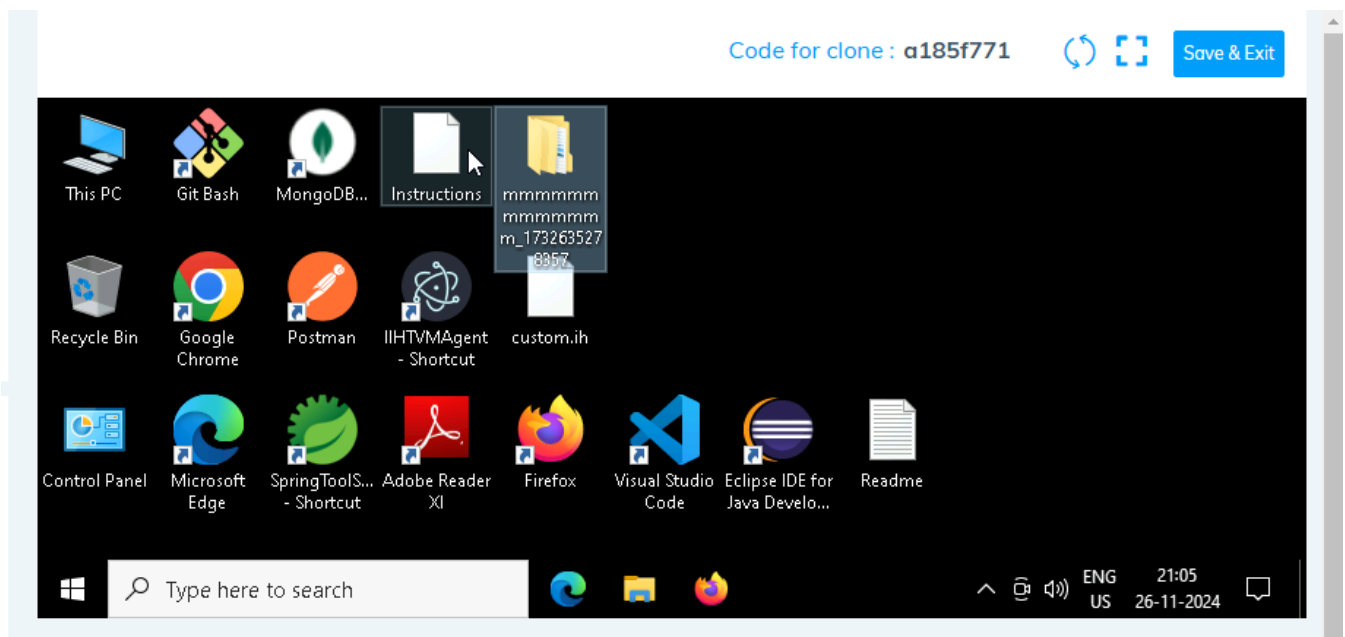
1.1 CODE QUALITY/OPTIMIZATIONS
1. Associates should have written clean code that is readable.
2. Associates need to follow SOLID programming principles.

Execution Steps:
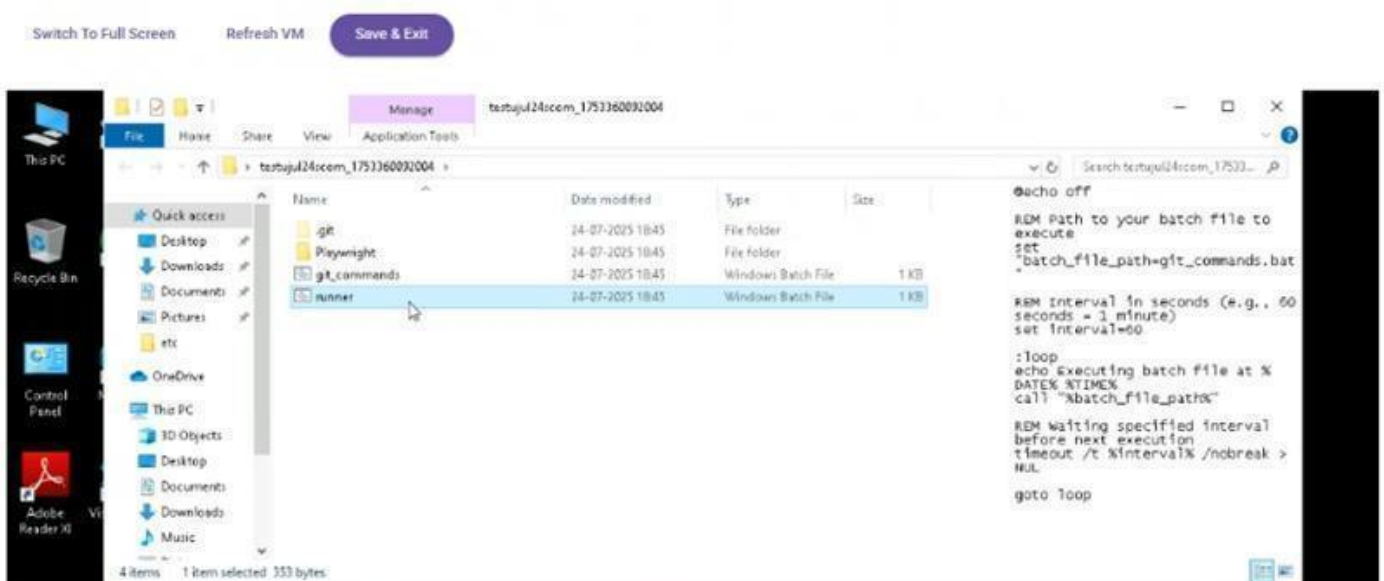**Steps for Execution:**
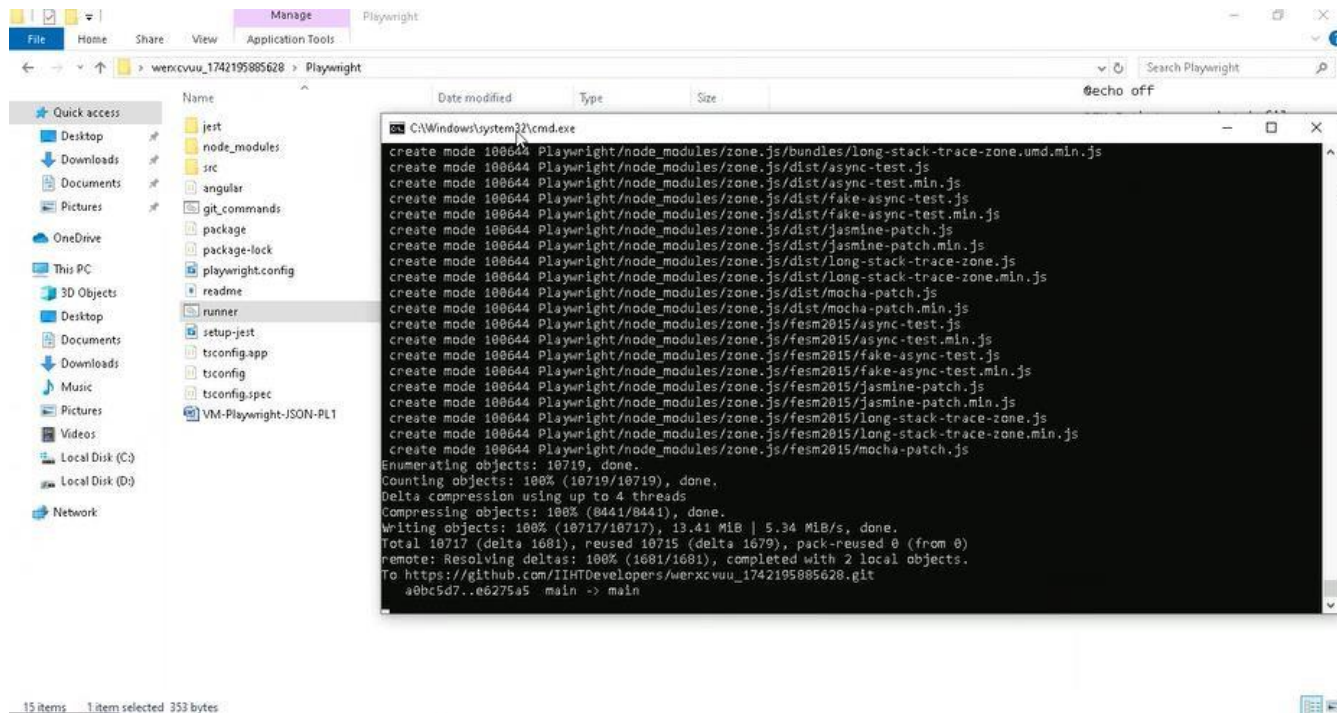**1. Please open the folder created on desktop with the email name you used to login.**

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1. **Go into the Playwright folder and execute this "runner" file. This will keep pushing the code at regular intervals**
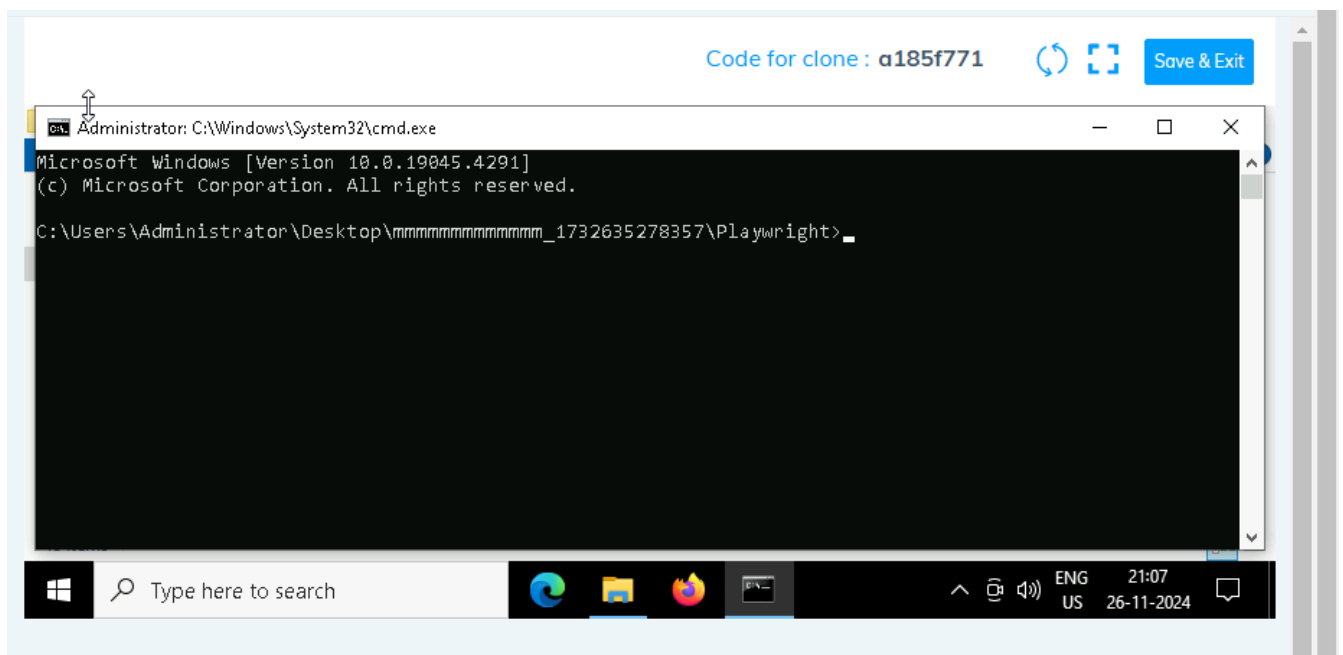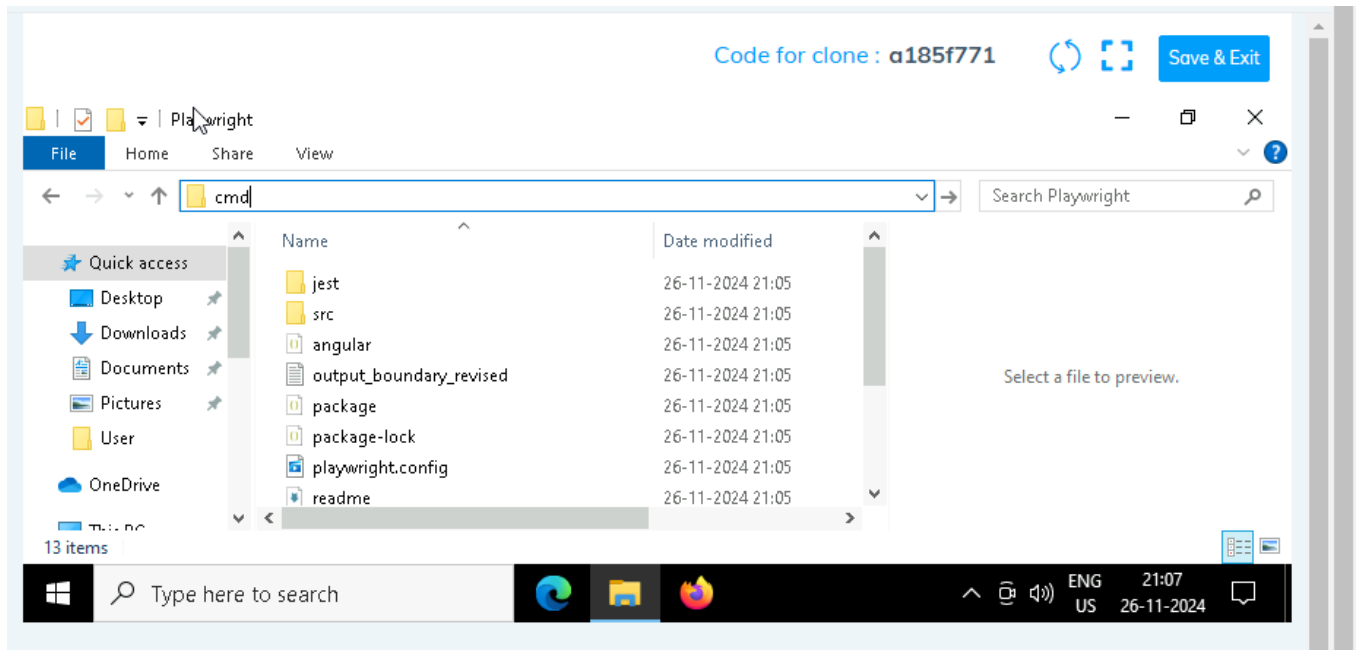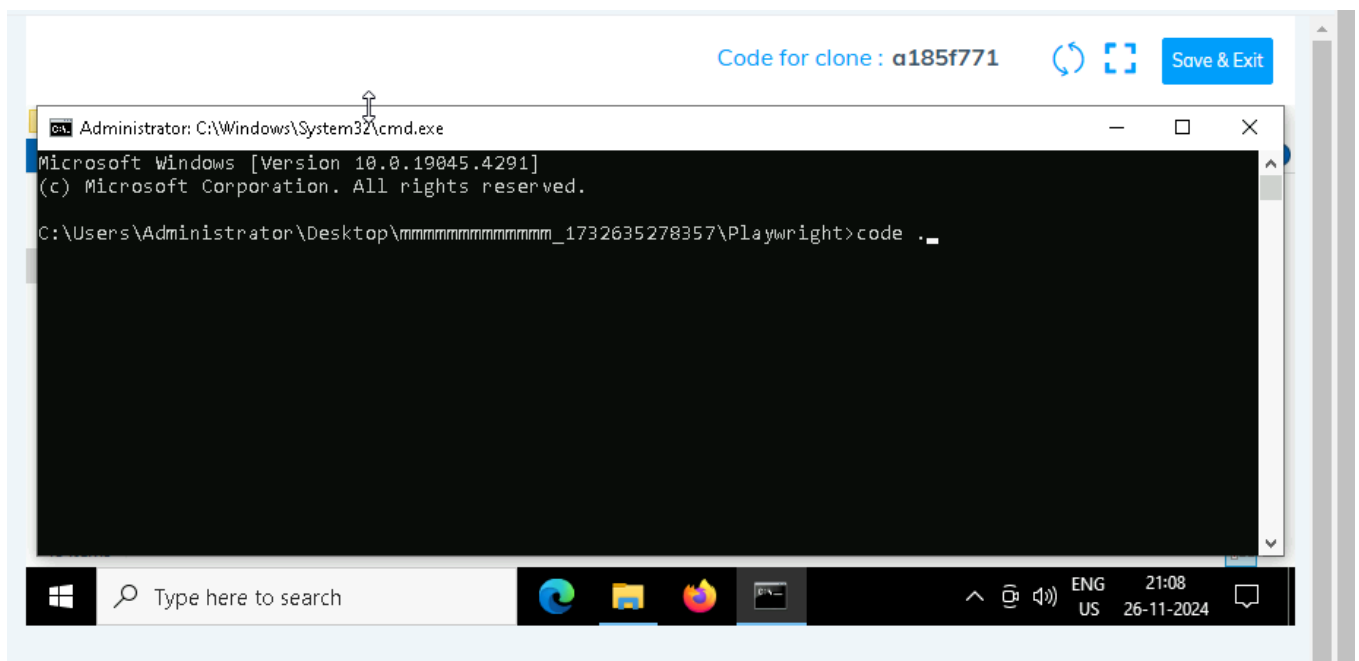

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2. **Open command prompt with its location and use below command:**

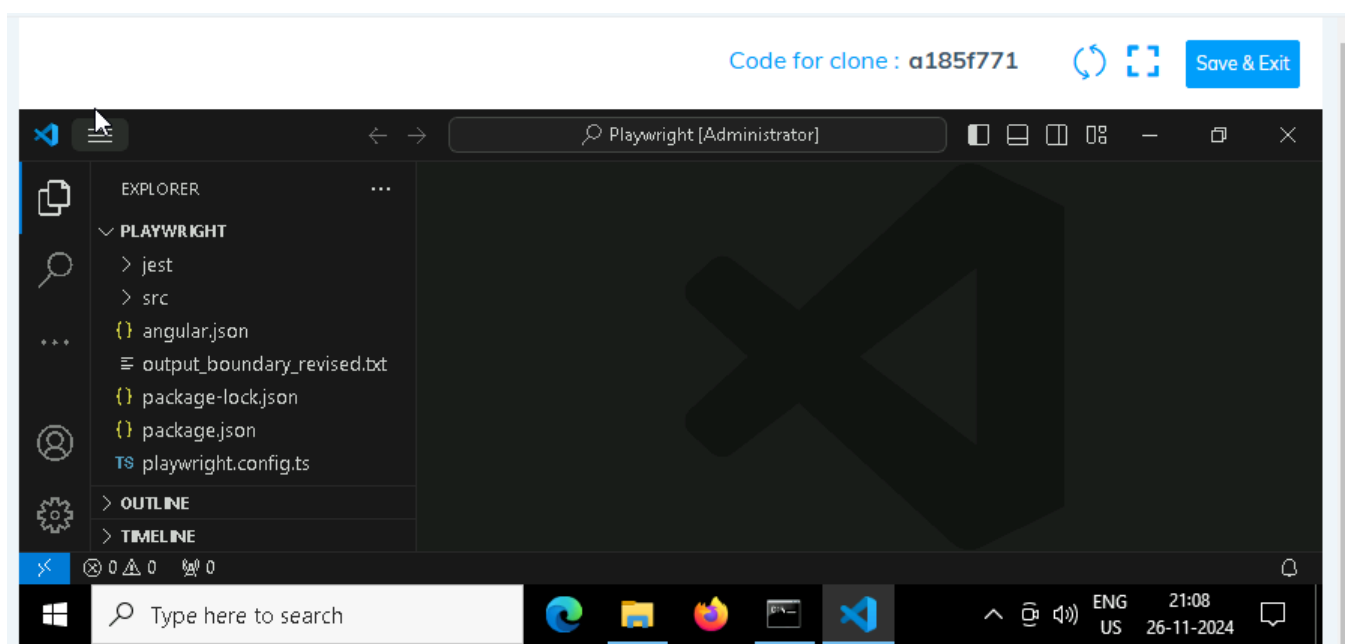   **code .**

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Administrator: C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.19045.4291]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Administrator\Desktop\mmmmmmmmmmmmmmm_1732635278357\Playwright>code .
```

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

Playwright [Administrator]

EXPLORER

∨ PLAYWRIGHT
> jest
> src
{} angular.json
☰ output_boundary_revised.txt
{} package-lock.json
{} package.json
TS playwright.config.ts

> OUTLINE
> TIMELINE

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4. **Install all dependencies in the Playwright folder path using:**

   npm install

5. **Install playwright in the Playwright folder path:**

   npx playwright install

6. **Run the Tests in the Playwright folder path**:

   npx playwright test ./src/tests/PL2_testcases/yaksha.spec.ts

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