YAKSHA HEALTH APP WITH TYPESCRIPT AND PLAYWRIGHT PL1-4

Use case summary

Project Name: https://yakshahrm.makemylabs.in app – HR management system.

Use Case Summary: https://yakshahrm.makemylabs.in/orangehrm-5.7 is designed to manage Employee records.

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

PROBLEM STATEMENT

Need to automate the following activities using playwright+typescript

You will be given a few Json files in the Data folder Login.json.

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

src\ pages	● AdminPage ● LeavePage ● LoginPage ● MyInfoPage	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 the "Logout" functionality**	1. Login using valid credentials 2. Click on Profile icon in top right 3. Click on the Logout button from dropdown. **It must implement this login functionality at first and then implement any other test case.**	**Reference path** \src\pages\LoginPage **methods** performLogout() **You can use the highlightElement method present in CommonMethods file to highlight the element before performing any action on it. It takes the locator as a parameter.**	User should get logged out
2	Verify New holidays could be created	1.Navigate to URL with Valid Credentials 2. Navigate to "Leave" tab 3. Click on configure dropdown 4. Click Holiday option from dropdown 5. Click on "Add" Button 6. Fill the required fields 7. Click on save Button 8. Verify the Holiday gets added in the Table	**Reference path** \src\ pages\LeavePage **methods** createNewLeaveRequest() **You can use the highlightElement method present in CommonMethods file to highlight the element before performing any action on it. It takes the locator as a parameter.**	New Holiday should get added to the list
3	Verify an error appears when password and confirm passwor	1. Login using valid credentials 2. Click on "Admin" tab in sidebar 3. Click on "Add" button 4. Enter different password in Password and confirm password input bar 5. Verify the "Password do not match" Error appears dynamically	**Reference path** \src\ pages\AdminPage **methods** confirmPassword()	Password do not match error should appear

	d mismatch		**You can use highlightElement method present in** **CommonMethods file to highlight the element before performing any action on it. It takes the locator as a parameter.**	
4	Verify Admin can add record	1. Login using valid credentials 2. Click on "Admin" tab in sidebar 3. Click on "Add" button 4. Fill the form 5. Click on save button	**Reference path** \src\ pages\AdminPage **methods** AdminAdd() **You can use the highlightElement method present in CommonMethods file to highlight the element before performing any action on it. It takes the locator as a parameter.**	Verify alert saying "Saved successfully" appears on clicking save button
5	Verify navigation to the General Information tab	1. Log in to the application using valid credentials. 2. Navigate to the admin page. 3. Go to the organisation section and click on General Information. 4. Capture the header text of the page.	**Reference path** \src\ pages\AdminPage **methods** GenInfoTab() **You can use the highlightElement method present in CommonMethods file to highlight the element before performing any action on it. It takes the locator as a parameter.**	Ensures that the header matches "General Information".
6	Verify Image could be Uploaded as profile Pic	1. Login using valid credentials 2. Click on "My Info" tab in sidebar 3. Click on Profile pic 4. Click on "image add" 5. Upload the desired image from the device 6. Click on save button 7.Verify the image gets uploaded successfully	Reference path \src\pages\MyinfoPage methods : uploadProfilePicture()	Image should get replaced
7	Verify Admin can navigate to the Organization Structure tab	1. Login using valid credentials 2. Call the method that navigates to the Organization Structure tab. 3. Capture the page header text.	**Reference path** \PageObjects\Pages\AdminPage **methods:** orgStructure()	Verify that the header matches "Organization Structure".

8	Verify the Admin can sort the records	1. Login using valid credentials 2. Click on "Admin" tab in sidebar 3. Click on "sort" button 4. Scroll down to choose the 'Descending' option 5. Verify the Table items get sorted according to the Descending order	**Reference path** \src\pages\AdminPage **Methods** adminSort()	Table should get sorted accordingly
9	Verify new Tab opens on clicking the "Upgrade" button	1. Login using valid credentials 2. Click on "Upgrade" button in top right 3. Verify The user gets redirected to a new Tab opens	**Reference path** \src\ pages\AdminPage **methods** upgrade(). **You can use the highlightElement method present in CommonMethods file to highlight the element before performing any action on it. It takes locator as a parameter.**	Upgrade to advance tab should open
10	Verify tooltip shows up when hovered over "Help" button (Question mark	1. Login using valid credentials 2. Click on "Admin" button in sidebar 3. Hover upon "?" button 4. Verify the Tooltip text is Displayed Dynamically **Note :- If you cannot find the locator for the "Proceed" button, please try to keep the page at 75%-80%.**	**Reference path** \src\pages\AdminPage **methods** helpHover() **You can use the highlightElement method present in CommonMethods file to highlight the element before performing any action on it. It takes the locator as a parameter.**	"Help" should be displayed on hovering over the "?" button in top right

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

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.

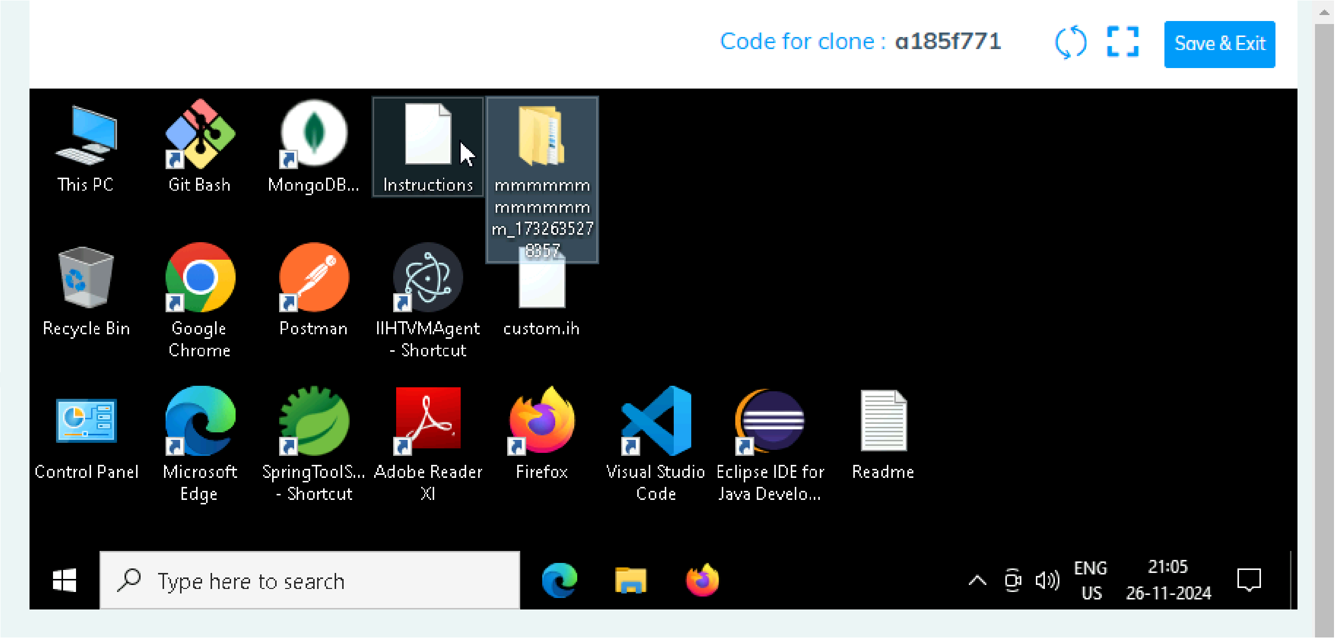
IMPLEMENTATION/FUNCTIONAL REQUIREMENT

1.1 Code Quality/Optimizations

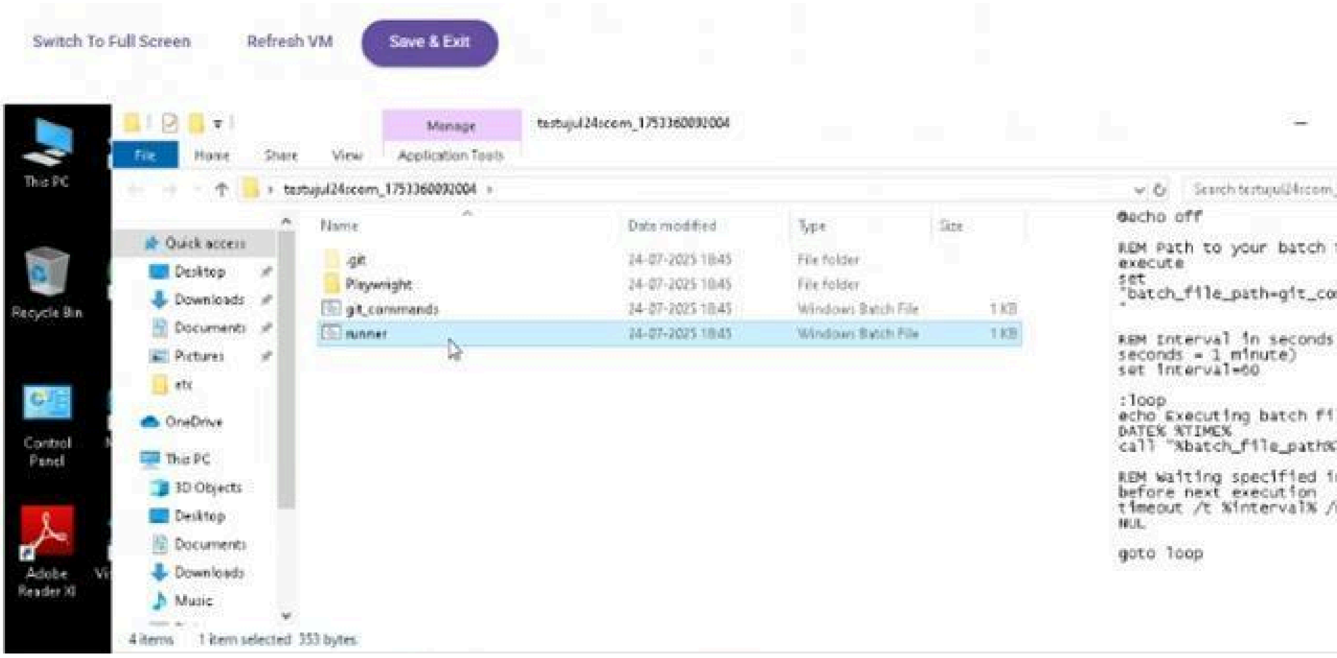
1. Associates should have written clean code that is readable.
2. Associates need to follow SOLID programming principles.

Execution Steps:
Steps for Execution:

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



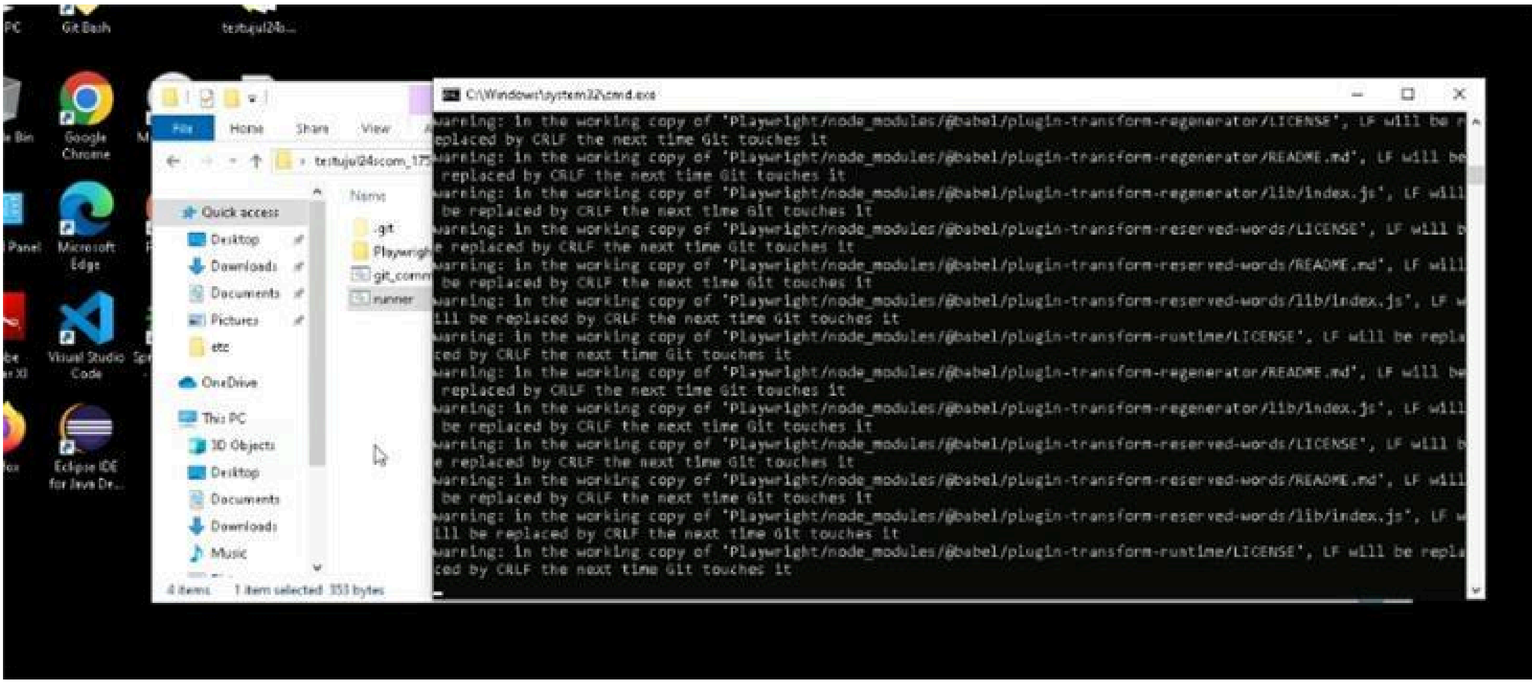
2. **Execute this “runner” file. This will keep pushing the code at regular intervals**



Name	Date modified	Type	Size
.git	24-07-2025 18:45	File folder	
Playwright	24-07-2025 18:45	File folder	
git_commands	24-07-2025 18:45	Windows Batch File	1 KB
runner	24-07-2025 18:45	Windows Batch File	1 KB

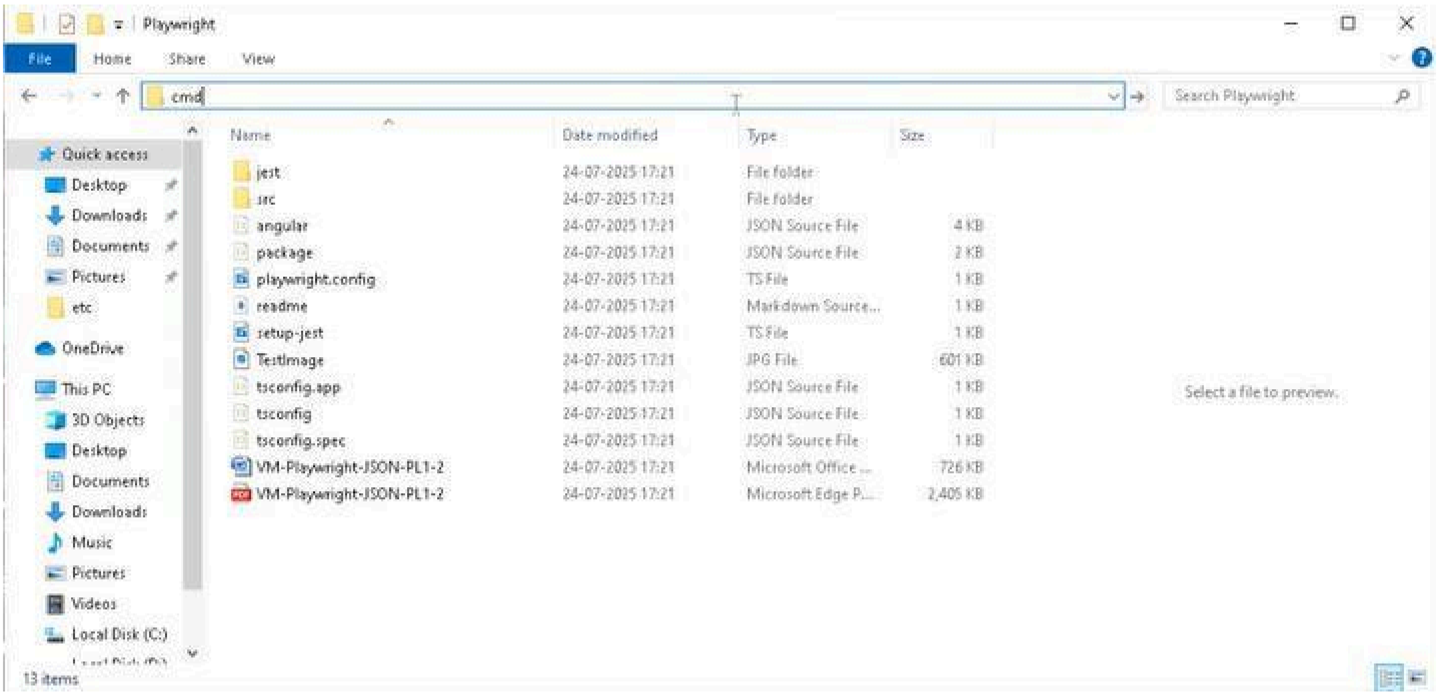
4 items   1 item selected 353 bytes

```
@echo off

REM Path to your batch 
execute
set
"batch_file_path=git_co
"

REM Interval in seconds
seconds = 1 minute)
set interval=60

:loop
echo Executing batch fi
DATE% %TIME%
call "%batch_file_path%

REM Waiting specified i
before next execution
timeout /t %interval% /
NUL

goto loop
```

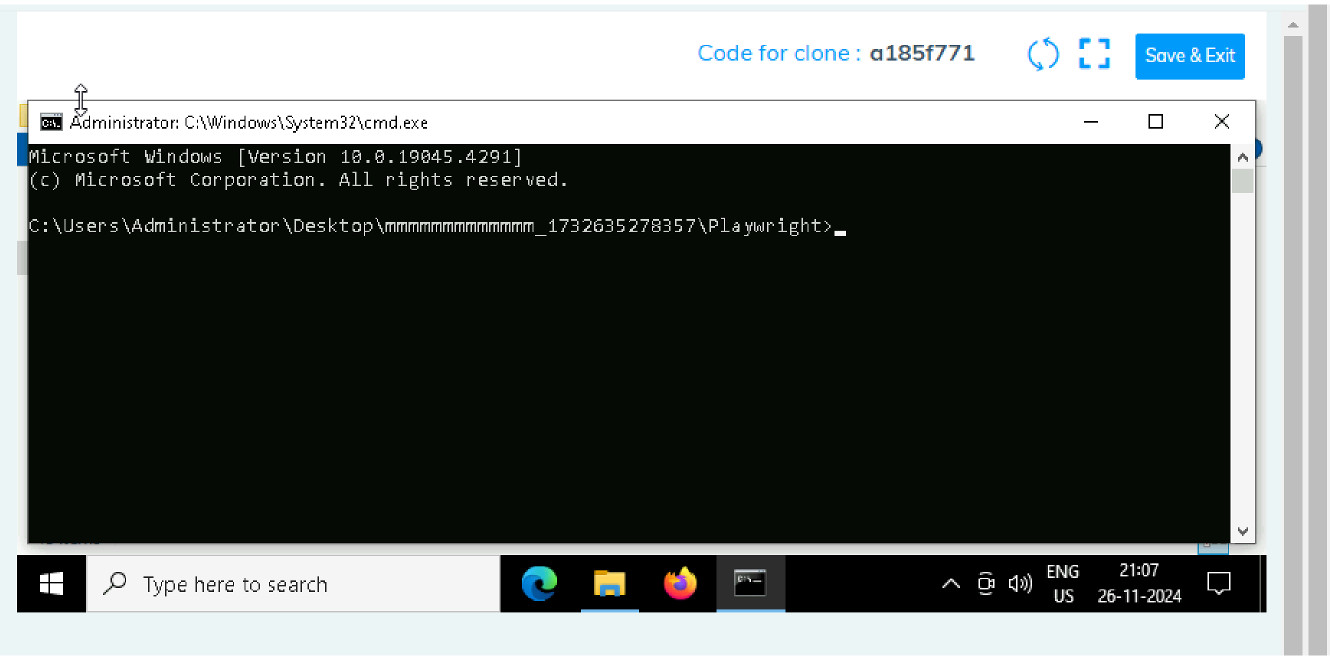


```
warning: in the working copy of 'Playwright/node_modules/@babel/plugin-transform-regenerator/LICENSE', LF will be r
eplaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/@babel/plugin-transform-regenerator/README.md', LF will be
 replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/@babel/plugin-transform-regenerator/lib/index.js', LF will
 be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/@babel/plugin-transform-reserved-words/LICENSE', LF will b
e replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/@babel/plugin-transform-reserved-words/README.md', LF will
 be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/@babel/plugin-transform-reserved-words/lib/index.js', LF w
ill be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/@babel/plugin-transform-runtime/LICENSE', LF will be repla
ced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/@babel/plugin-transform-regenerator/README.md', LF will be
 replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/@babel/plugin-transform-regenerator/lib/index.js', LF will
 be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/@babel/plugin-transform-reserved-words/LICENSE', LF will b
e replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/@babel/plugin-transform-reserved-words/README.md', LF will
 be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/@babel/plugin-transform-reserved-words/lib/index.js', LF w
ill be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Playwright/node_modules/@babel/plugin-transform-runtime/LICENSE', LF will be repla
ced by CRLF the next time Git touches it
```

3. **Go into the Playwright folder and Open command prompt with its location and use below command: code .**

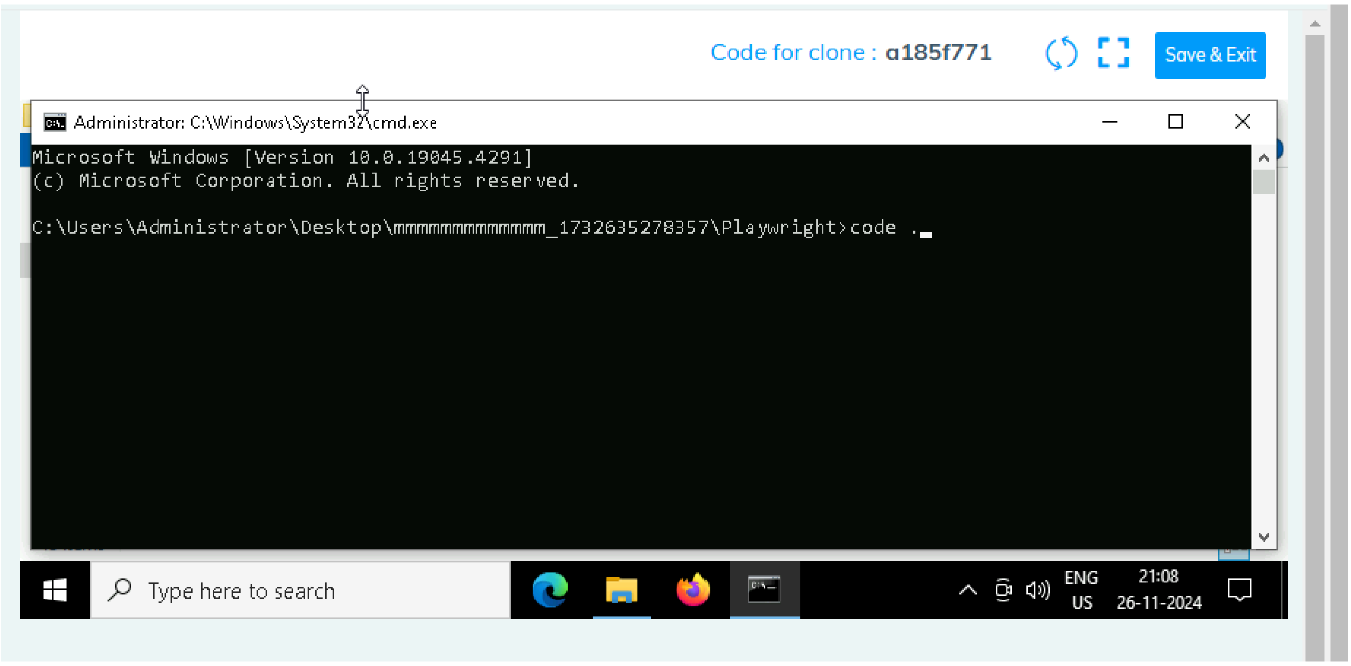


Name	Date modified	Type	Size
jest	24-07-2025 17:21	File folder	
src	24-07-2025 17:21	File folder	
angular	24-07-2025 17:21	JSON Source File	4 KB
package	24-07-2025 17:21	JSON Source File	2 KB
playwright.config	24-07-2025 17:21	TS File	1 KB
readme	24-07-2025 17:21	Markdown Source...	1 KB
setup-jest	24-07-2025 17:21	TS File	1 KB
TestImage	24-07-2025 17:21	JPG File	601 KB
tsconfig.app	24-07-2025 17:21	JSON Source File	1 KB
tsconfig	24-07-2025 17:21	JSON Source File	1 KB
tsconfig.spec	24-07-2025 17:21	JSON Source File	1 KB
VM-Playwright-JSON-PL1-2	24-07-2025 17:21	Microsoft Office ...	726 KB
VM-Playwright-JSON-PL1-2	24-07-2025 17:21	Microsoft Edge P...	2,405 KB



Code for clone : a185f771
Save & Exit
Administrator: C:\Windows\System32\cmd.exe
Type here to search
ENG
US
21:07
26-11-2024

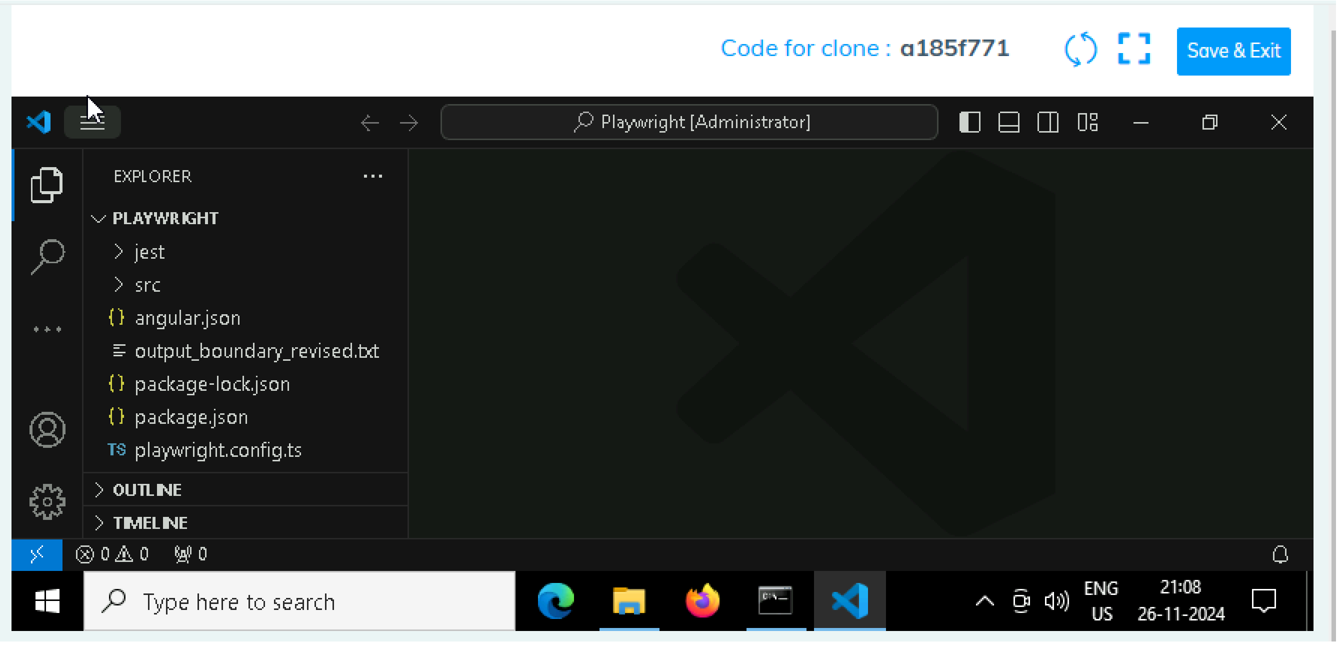
```
Microsoft Windows [Version 10.0.19045.4291]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Administrator\Desktop\mmmmmmmmmmmmmm_1732635278357\Playwright>_
```



Code for clone : a185f771
Save & Exit
Administrator: C:\Windows\System32\cmd.exe
Type here to search
ENG
US
21:08
26-11-2024

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

C:\Users\Administrator\Desktop\mmmmmmmmmmmmm_1732635278357\Playwright>code .
```

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



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
   ```