YAKSHA HEALTH APP WITH TYPESCRIPT AND PLAYWRIGHT

Mymedic automation using playwright

Usecase summary

Project Name: healthapp.yaksha app – Medical Record Management System
Use Case Summary: healthapp.yaksha is a healthcare application designed to manage Electronic Medical Records (EMR). it allows users to view, search, and manage patient records. It features functionality such as adding/editing patient records, filtering data by doctor and department, and exporting records. The primary use case is to automate the process of medical record management, ensuring efficient and reliable operations for healthcare providers.
Technology Stack:

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

Key Features:

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

Expected Outcomes:

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

Overview of the application

Pages/Features that are to be focused for the application

Please use the Application URL https://healthapp.yaksha.com

PROBLEM STATEMENT

Need to automate the following activities using playwright+typescript

You will be given few Json files in Data folder like PatientName.json and ValidLogin.json.

Path	File	Description
src\data	PatientName.json ValidLogin.json	1. Contains data to read from json file.
src\ pages	• AdminPage • AppointmentPage • DashboardPage • DoctorPage • IncentivePage • LoginPage	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

	• OperationTheaterPage • PatientPage • ProcurementPage • SettingsPage • UtilitiesPage	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
	Verify Login with Valid Credentials	1.The application should read the data from ValidLogin.json file and fetch the user's name and password. 2. It should call the method performLogin() 3. Perform login method will perform authentication with the username and password. 4. Verify admin name is visible on the home page. **It is must to implement this login functionality at first and then implement any other test case.**	**Reference path** \src\pages**LoginPage** **methods** performLogin() **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 logs in with provided credentials. The user is logged in the admin page.
1	Verify the presence of Visit Type drop down by selecting "New patient" option	1. Use verifyVisitTypeDropdown(). 2. Open "Appointment Booking List" tab inside Appointment module. 3. Select any counter, if it's not selected already and then select "Appointment Booking List" tab. 4. Select "New Patient" from "Visit Type" dropdown. 5. Select "All Doctors" from "Doctor" dropdown. 6. Pick "01-01-2024" in "From Date" field. 7. Pick "31-03-2024" in "To Date" field. 8. Click on "Show Patient" button.	**Reference path** \src\ pages**AppointmentPage** **methods** verifyVisitTypeDropdown()	The "Visit Type" column in list should contain only patients of "New" category.
2	Handle Alert for OT Booking Without Patient Selection	1. Navigate to Operation theatre page. 2. Use handleOtBookingAlert() to handle the alert. 3. Click on "New OT Booking" button. 4. Verify that the "Booking OT Schedule | New Patient" modal is displayed. 5. Without entering any details, within the modal, click on the "Add New OT" button. 6. Handle the alert with message "Patient not Selected! Please Select the patient first!".	**Reference path** \src\ pages**OperationTheatrePage** **methods** handleOtBookingAlert()	1. An alert with the message "Patient not Selected! Please Select the patient first!" is displayed. 2. Handle and accept the alert to proceed.
3	Verify Patient Overview Page Displays	1. Use verifyPatientOverview().	**Reference path**	

Test Case No.	Test Case Name	Test Steps to be performed	Path & Method Used	Expected Result
	Information Correctly	2. Read data from PatientName.json file for any one patient name. 3. Goto “Doctor” module, then “In Patient Department” tab. 4. In the search bar, enter the patient name read from patientName.json file and perform the search. 5. Locate the patient in the results and click on the “Preview” icon under the Actions column.	\src\ pages**DoctorPage** **methods** verifyPatientOverview()	Verify the same patient overview page is displayed with the same patient’s name.
4	Add Progress Note for In Patient	1.Use addProgressNoteForPatient() to check pop up message. 2. Go to “Doctor” module, then “In Patient Department” tab. 3. In the search bar, enter the patient’s name read from patientName.json file and perform the search. 4. Locate the patient in the results and click on the “Preview” icon under the Actions column. 5. Click on “Notes” section. 6. Click on “Add Notes” button. 7. Select “Progress Note” option from “Template” dropdown. 8. Enter subjective Notes as "Test Notes" and click on save button.	**Reference path** \src\ pages**DoctorPage** **methods** addProgressNoteForPatient() **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.**	The method should successfully add a Progress Note for the patient, and a success confirmation message with the text "Progress Note Template added." should be displayed.
5	Add and Verify New Currency in Settings	1. Navigate to Procurement > Settings. 2. Select "Currency" sub tab. 3. Click "Add Currency" button. 4. Add any data in “Currency Code” and “Description” fields. 5. Click on “Add Currency” button.	**Reference path** \src\pages**ProcurementPage** **methods** addCurrencyAndVerify()	The new currency should be added successfully and displayed in the table with the correct currency code and description.
6	Verify Warning Popup for Mandatory Fields in Scheme Refund	1. Navigate to Utilities module and select "Scheme Refund" tab. 2. If required, please select any counter value and then select “Scheme Refund” tab. 3. Click on "New scheme Refund Entry" button. 4. Now click on save without entering value in any field.	**Reference path** \src\ pages**UtilitiesPage** **methods** verifyMandatoryFieldsWarning() **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.**	A warning popup should appear with the message: "Please fill all the mandatory fields."
7	Verify Navigation to User Profile Page	1. Navigate to Homepage i.e https://healthapp.yaksha.com/Home/Index#/ 2. Click on the Admin dropdown. 3. Select the "My Profile" option.	**Reference path** \src\ pages**AdminPage** **methods** verifyUserProfileNavigation() **You can use highlightElement method present in CommonMethods file to highlight**	Verify that the user is redirected to the "User Profile" page and the page header or title confirms this.

Test Case No.	Test Case Name	Test Steps to be performed	Path & Method Used	Expected Result
			the element before performing any action on it. It takes locator as a parameter.	
8	Verify Patient Profile Picture Upload	1. Navigate to Patient module. 2. Select “Register Patient” tab. 3. Select “Profile Picture” tab (camera icon). 4. Click on the "New Photo" button. 5. Upload an image present in TestImage folder and click on the "Done" button.	**Reference path** \src\ pages**PatientPage** **methods** uploadProfilePicture()	Verify that the uploaded image is displayed successfully in the patient's profile.
9	Verify TDS Percent update for an employee	1. Navigate to the “Incentive” module and then “Settings” tab. 2. Click on the "Settings" tab. 3. Locate the row corresponding to the specified employee name. 4. Click the "Edit TDS%" button within the located row. 5. In the "Edit TDS Percent" modal, enter the updated TDS% value. 6. Click on the "Update TDS" button. 7. Verify that the updated TDS% value is correctly displayed in the table.	**Reference path** \src\pages**IncentivePage** **methods** editTDSForEmployee()	The updated TDS% value is displayed correctly in the corresponding row of the table.
10	Verify Price Category Enable/Disable	1. Navigate to “Settings” module. 2. Click on more... and select "Price Category" tab. 3. Click on “Disable” button to disable any Code in the table. 4. Verify a success message appears with the message "Deactivated.". 5. Activate the same code by clicking “Activate” button and verify the success message as “Activated”.	**Reference path** \src\pages**SettingsPage** **methods** togglePriceCategoryStatus()	A success message is displayed for both actions: "Deactivated." for disabling and "Activated." for enabling.

Learners will gain experience in building strongly-typed applications using React.js and managing data flow with Mymedic automation using playwright

TypeScript. They'll learn how to define interfaces, use types for error prevention, and improve code maintainability.

With **Playwright**, learners will learn to write and execute automated tests for the https://healthapp.yaksha.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.

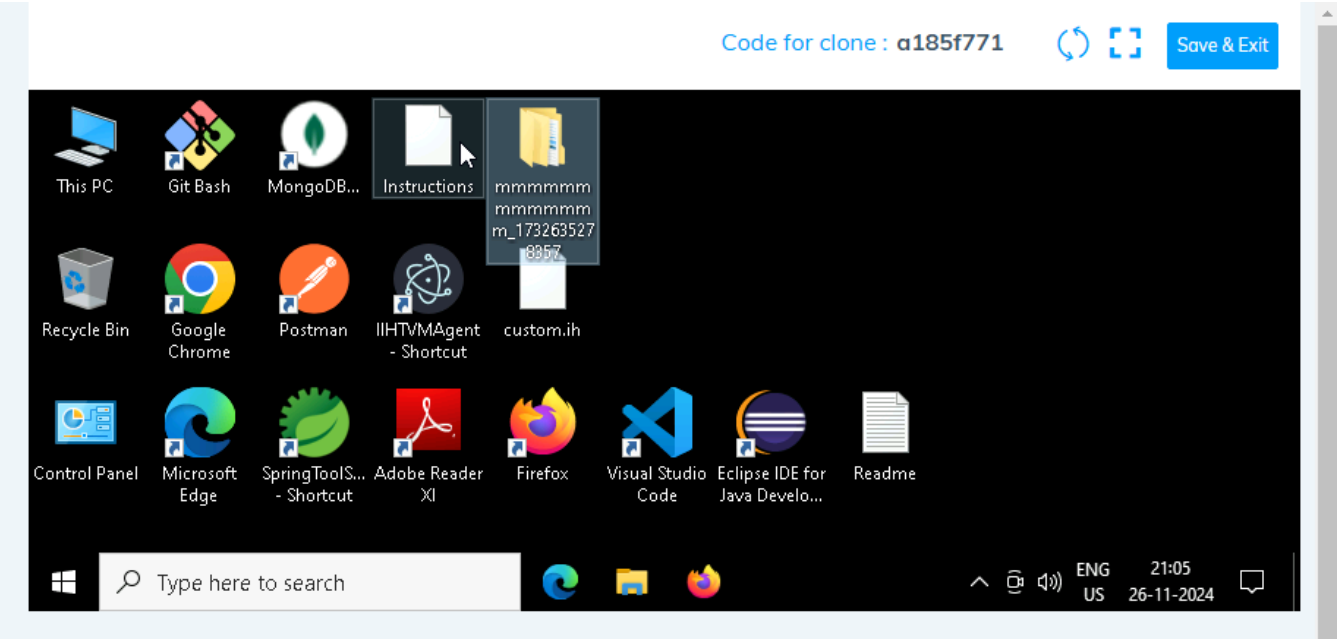
IMPLEMENTATION/FUNCTIONAL REQUIREMENT

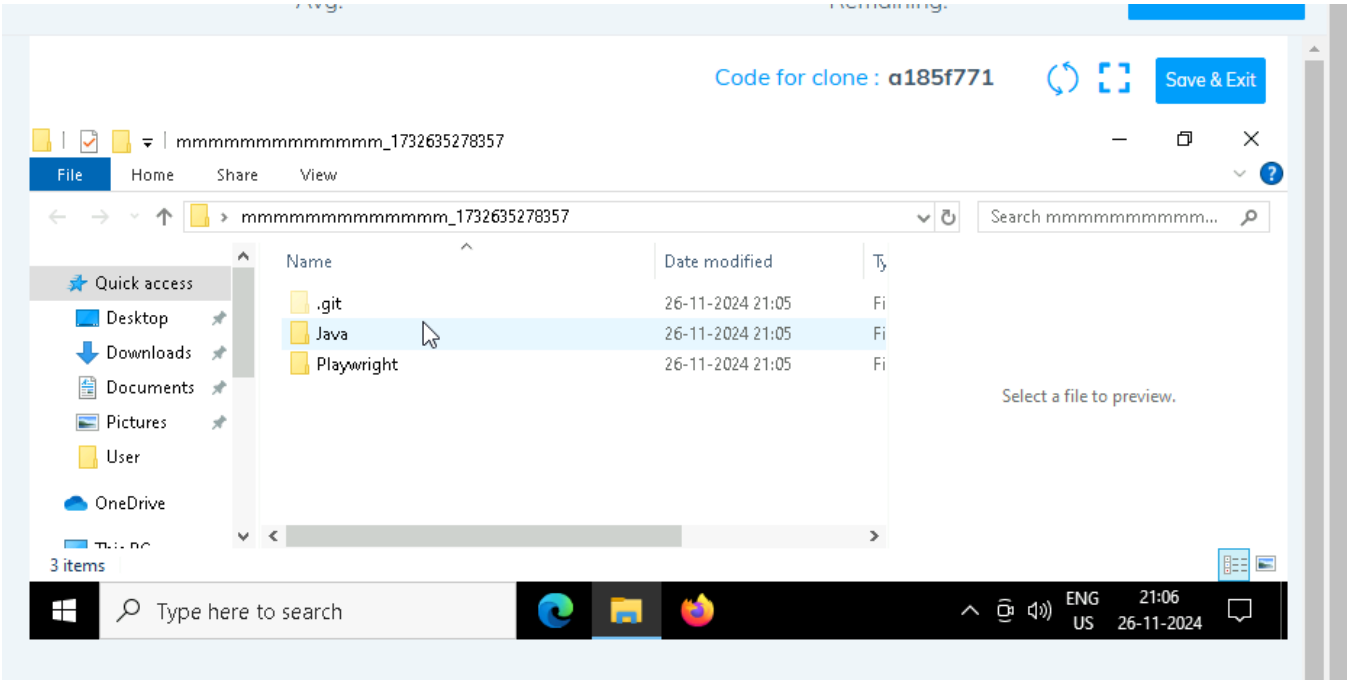
1.1 CODE QUALITY/OPTIMIZATIONS

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

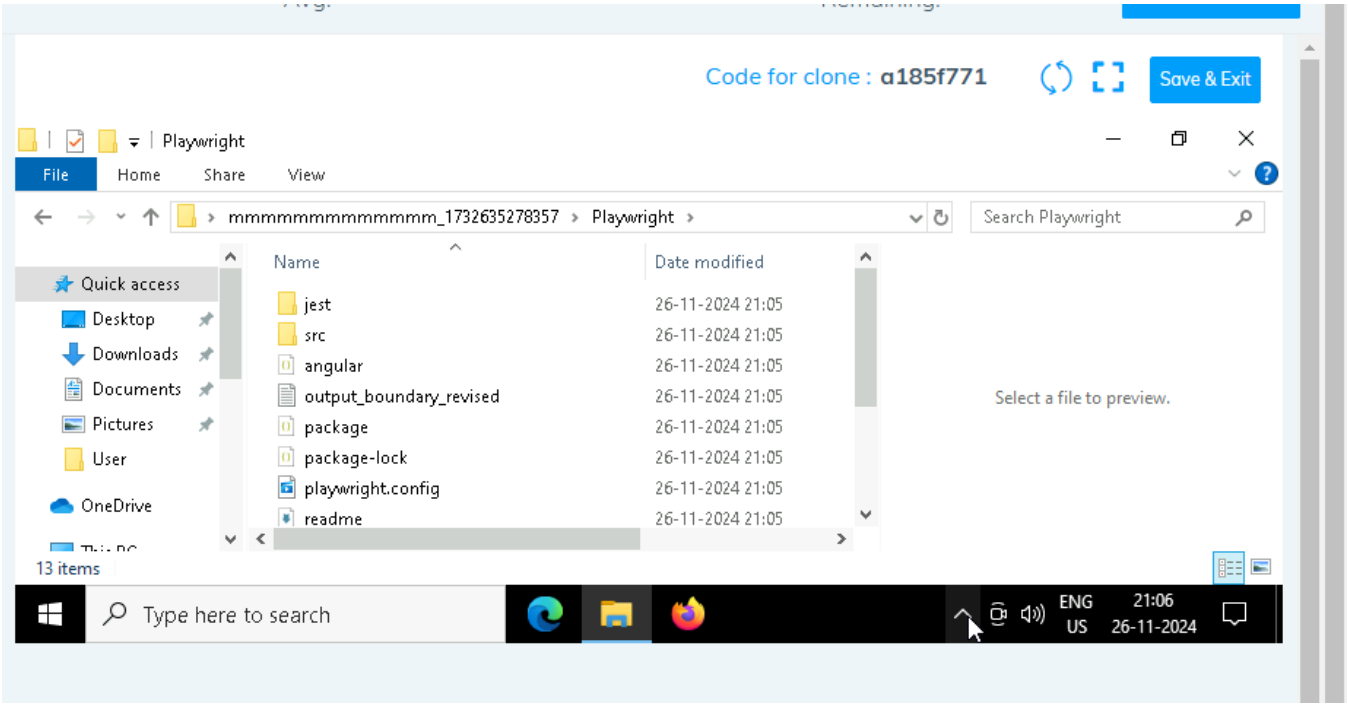
Execution Steps:
Steps for Execution:

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



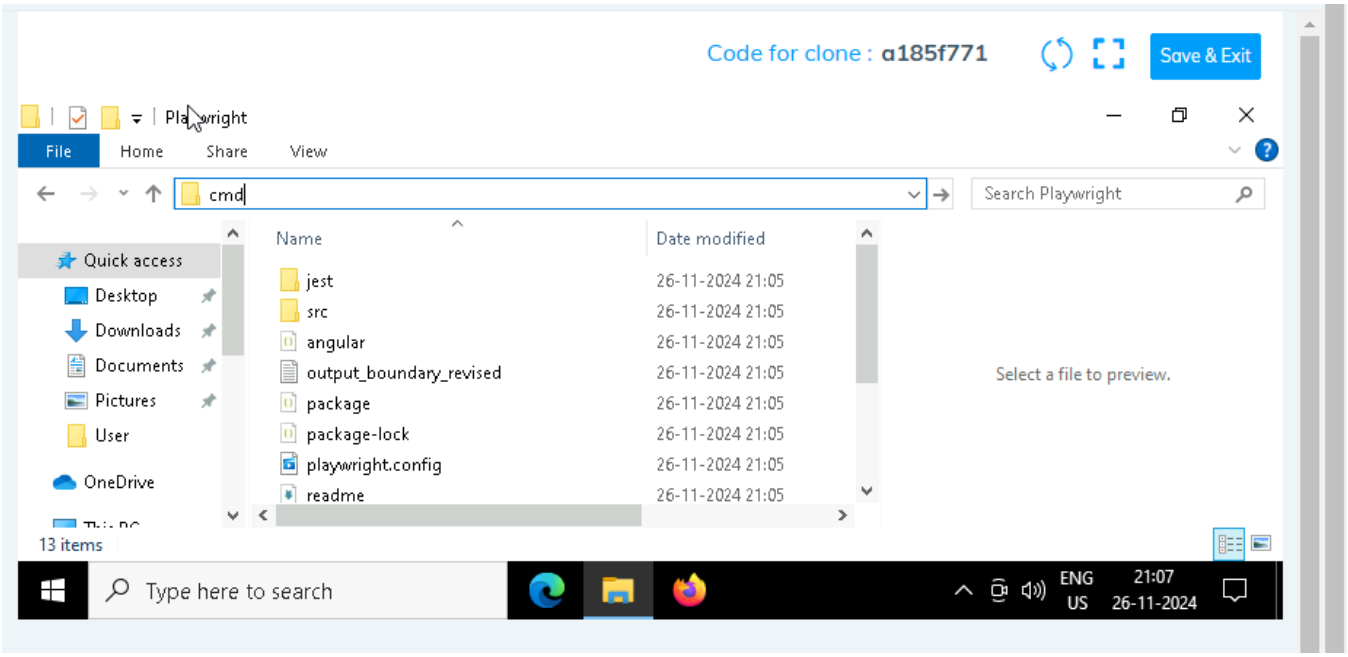


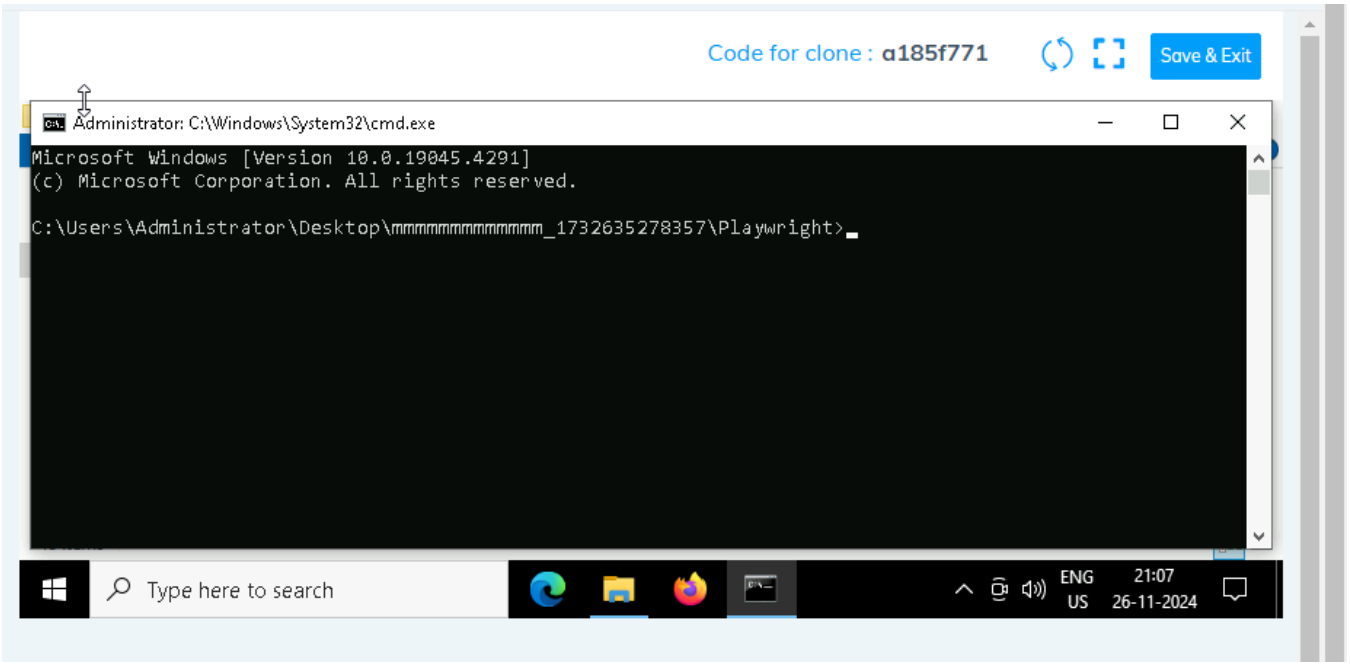
2. **Go into the Playwright folder**

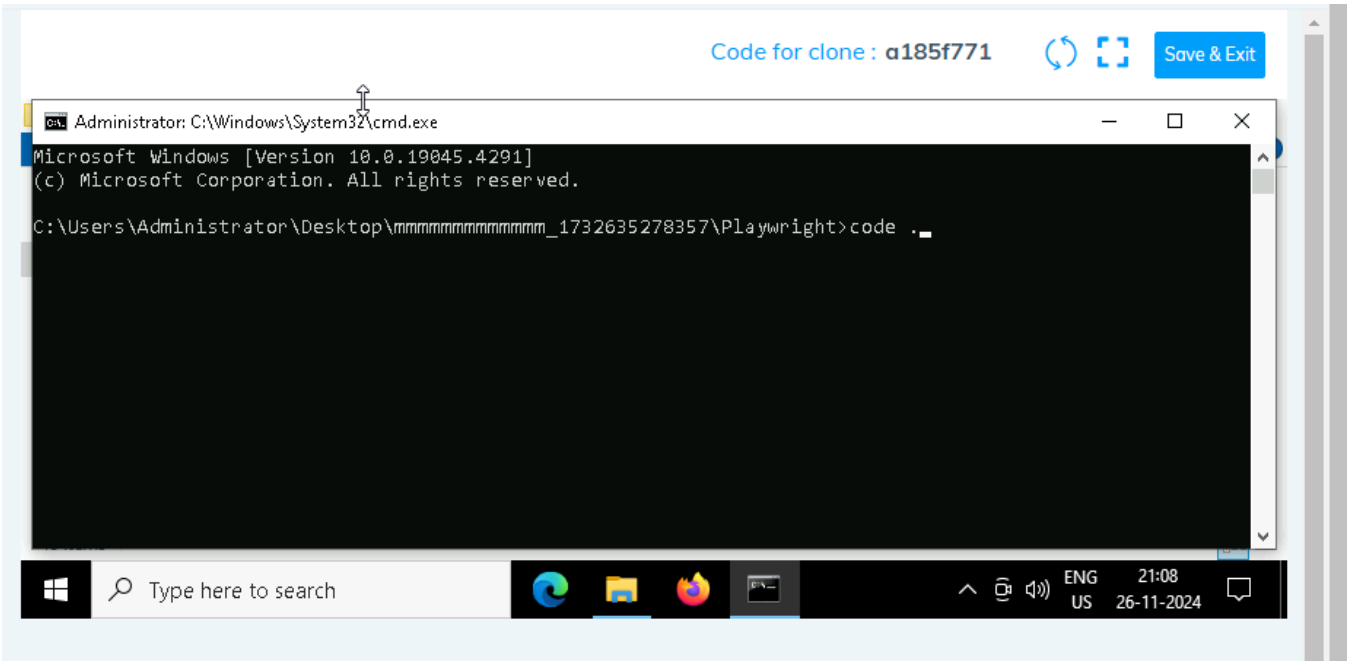


3. **Open command prompt with its location and use below command:**

code .







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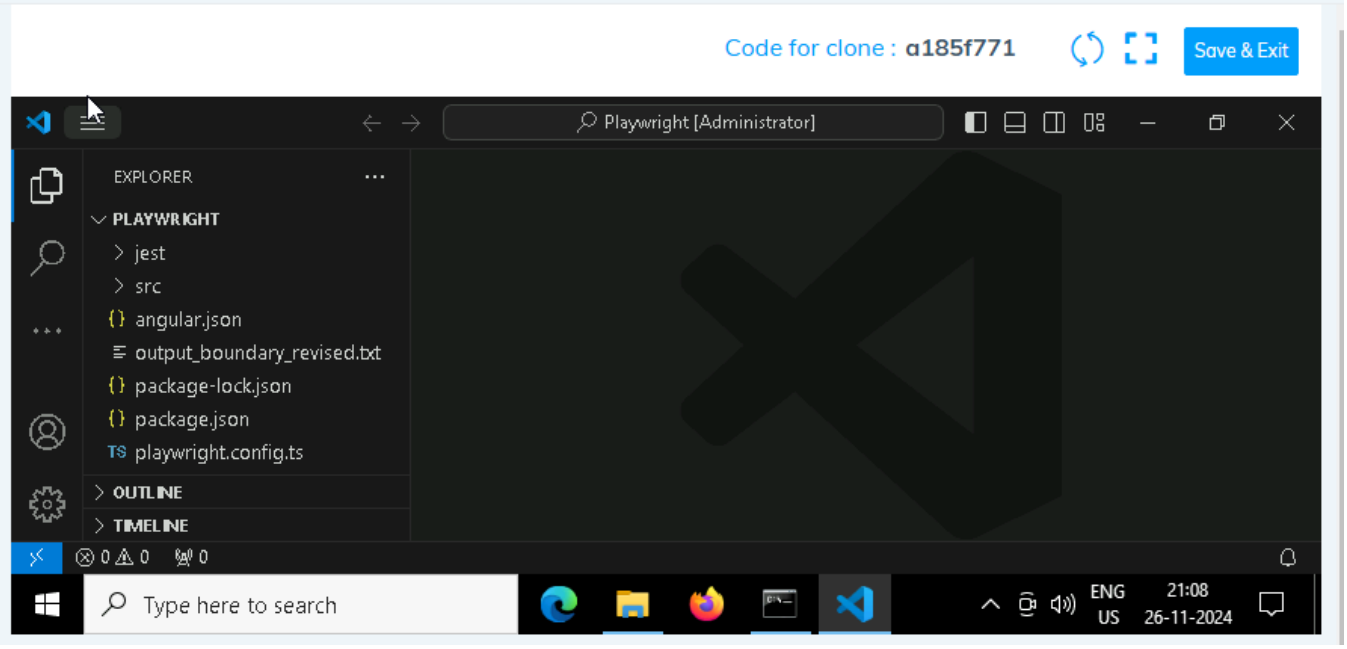
4. **Once VsCode is open. Please open the terminal in Playwright folder:**



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

   npm install

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

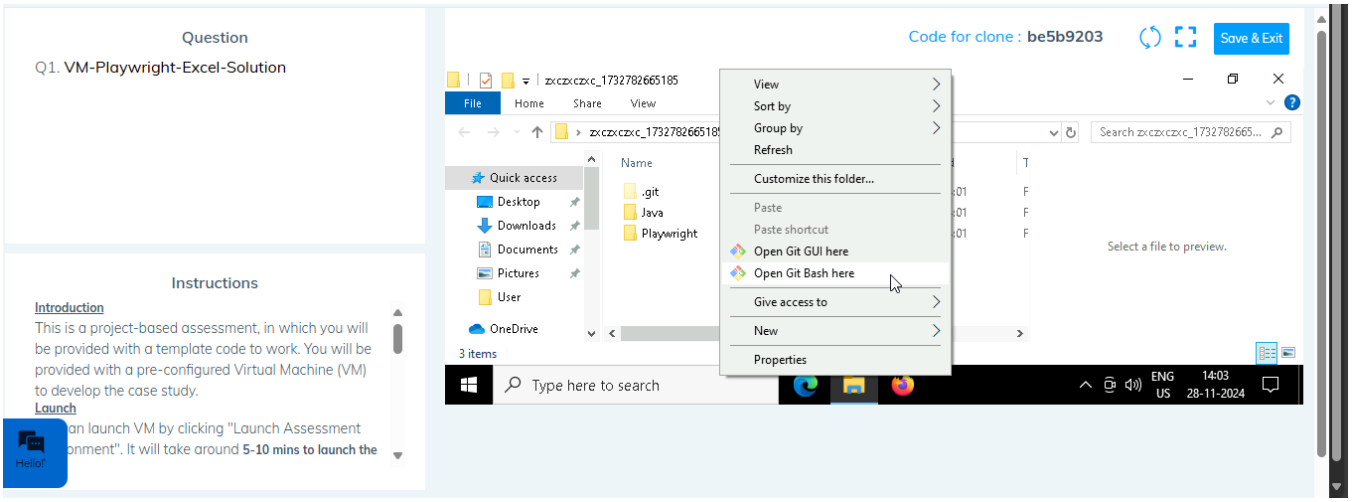
   npx playwright install

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

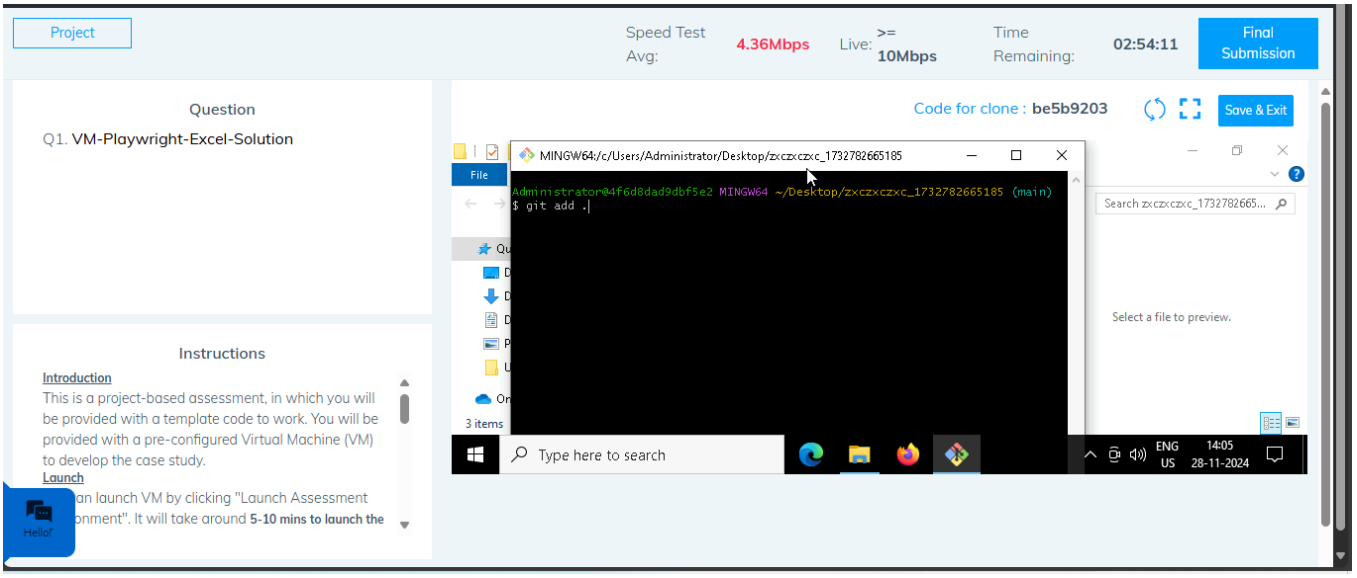
   npx playwright test ./src/tests/PL1_testcases/yaksha.spec.ts

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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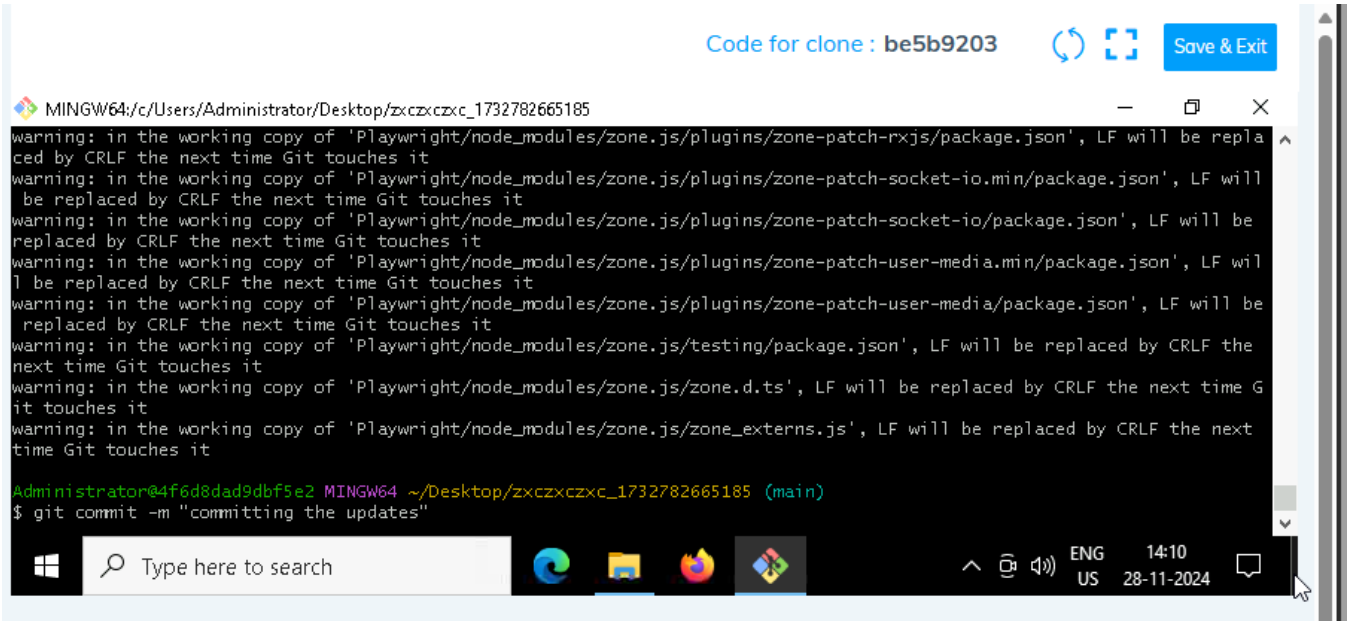
3. **Commit the changes**



4. **Push the changes**