FeaturedNews

Be.Cognizant Automation Main Project Report

COHORT CODE: CSDQEA23SD002

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Introduction:

This project focus on testing a web application of Cognizant. We have used java programming language and automation testing tools and frameworks in this project and made automation test script to test the given site. The testing is done using a set of various tools and frameworks like selenium, TestNG, maven etc.

Objectives:

The test team is responsible for testing the product and ensuring it meets their needs. Create a manual test report for the given site. This will allow the test team to start transferring tests over to the new system. Create automated test scripts using the required frameworks and concepts.

Problem statement:

Given site: https://be.cognizant.com/

- Open the link of the given site.
- Log in with your credentials.
- Scroll down to Featured News.
- Print the all three news title in console and then slide it to and then print the rest of three news.
- Click every news and print content of every featured news.

Work flow:

- User need to give their login credentials and browser preference in the config file.
- User would need to run the testng.xml file.
- WebDriver will open the given site.
- User will be navigated to the login page of the website automatically.
- Username and Password will be entered using sendKeys.
- User will be prompted to approve the 2-step Authentication. Complete that 2-step Authentication
- Then User will be redirected to the given site.
- The username will be printed in console.
- The count of the Featured News will be printed.
- Each news will be opened and redirected back to home page.
- The Content of the news is printed in console and also in Excel sheet.

Steps to perform audit:

- Select the applicable for InitializeDriver.
- Login using given credentials and approve 2-step authentication.
- Validate Featured News and its content.
- Print content of Featured News and Contents in console and Excel Sheet.

Class details:

1. Base.java - invoking browser, Taking Screenshot, navigating to url, expilict wait, closing browser.
2. BeCognizant.java - confirms the given site, prints username, validates Featured News, validates slide button, validates contents of the news.
3. LoginBeCognizant.java - login using given credentails and navigates to gievn site.
4. ExtentReportManager.java - class to create extent report for this project.
5. TestCases.java - call all function orderly and implements TestNG to perform test.

Screenshots:

1. LogIn Email ID
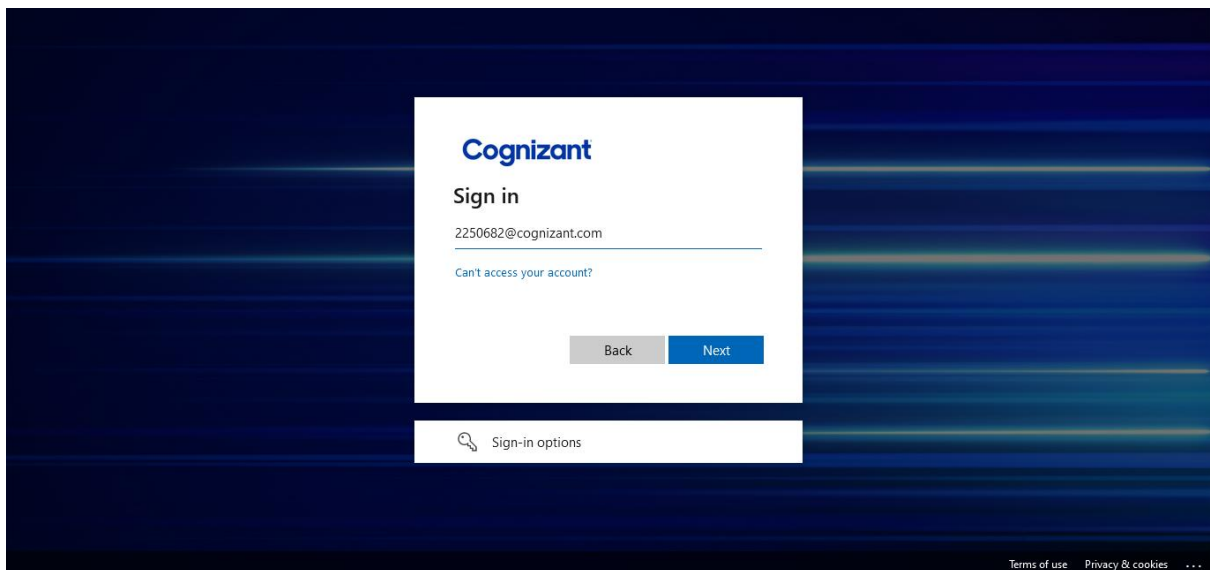
2. Login Password
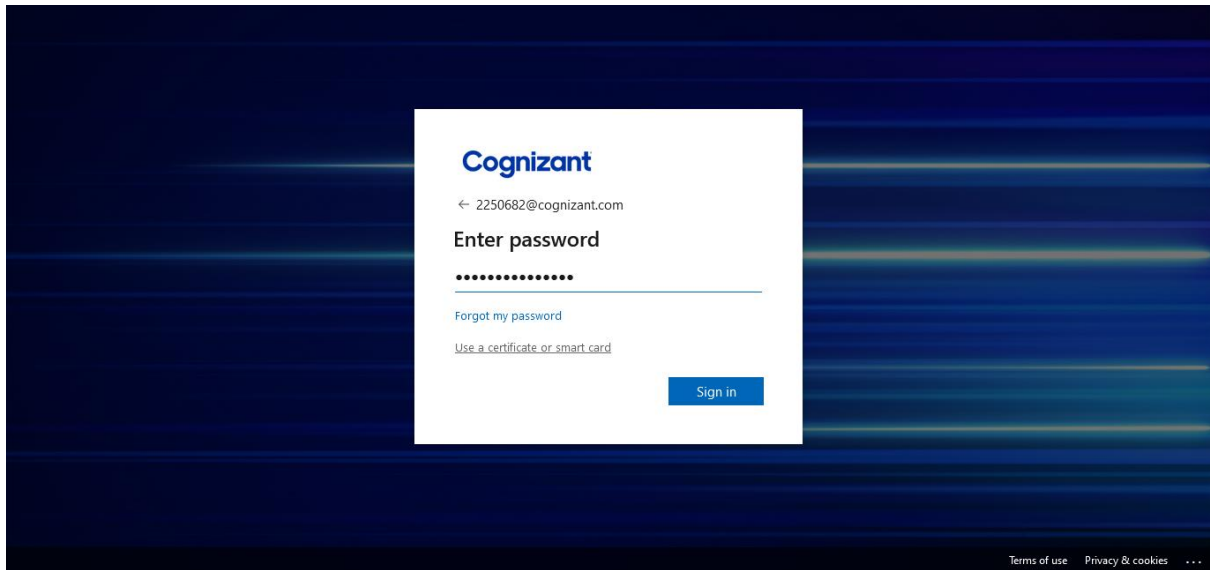
3. Homepage – Be.Cognizant Username
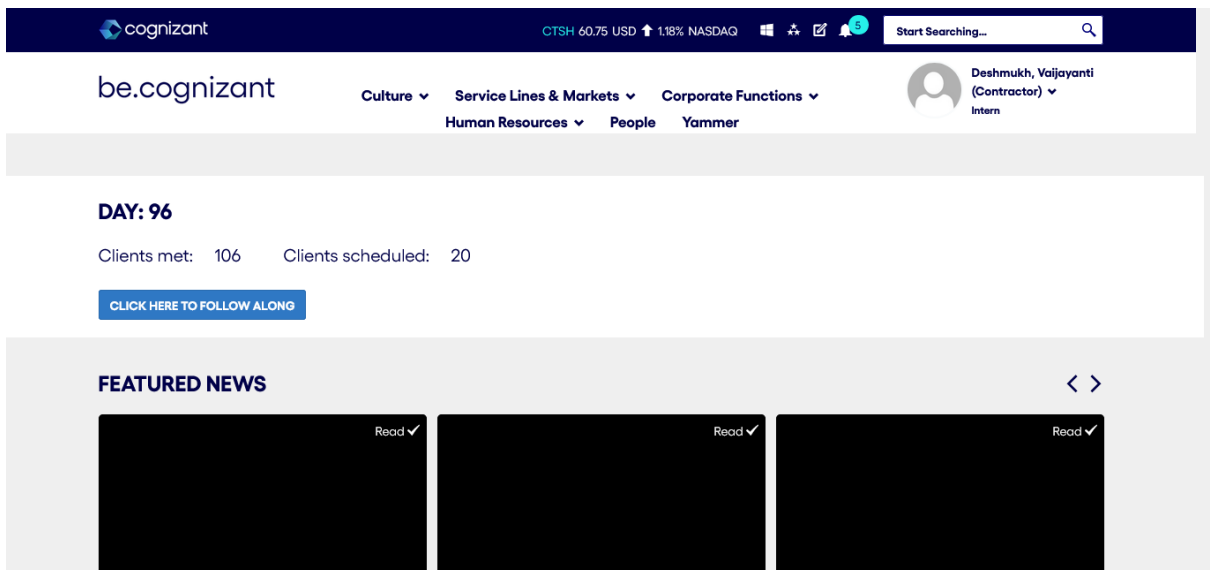
4. Featured News Slide 1

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Types of testing performed:

1. SMOKE TESTING

This testing was done whenever a Build is received (deployed into test environment) for testing to make sure the major functionalities are working fine, Build can be accepted and testing can start.

Challenges Faced:

1. We couldn't be able to run the project in the chrome browser due to chrome driver update issue.

Metrics:

S No.	Test Cases	Pass/Fail	Defect
1.	Verify whether the user able to navigate to the website	Pass	None
2.	Verify the login page is appeared	Pass	None
3.	Verifying the login functionality by entering valid Email-Id and password.	Pass	None
4.	Verifying the login functionality by entering invalid Email-Id	Pass	None
5.	Verifying the login functionality by entering valid Email-Id and invalid password.	Pass	None
6.	Verify the Be.Cognizant Home page Title	Pass	None
7.	Verify the user information	Pass	None
8.	Verify featured news title	Pass	None
9.	Verifying scroll down functionality	Pass	None
10	Verifying the slider functionality in Featured News	Pass	None
11.	Verify if user able to click the featured news	Pass	None

12.	Verifying the news headline in the home page and after navigating to the respective news page both headlines are same.	Pass	None
13.	Verify the content of the Featured News.	Pass	None
14.	Verify whether user able to navigate to Home page back	Pass	None
15.	Verify whether the user able to navigate to the website	Pass	None

System Requirements:

Hardware

- PC

Software

- Windows 10
- MS Edge or Any Browser.
- Eclipse
- MS Excel
- Selenium Web drivers
- Apache POI
- TestNG
- Maven