**Tendable Tech Challenge**  https://www.tendable.com website:

For this challenge, you'll need to upload your solution to GitHub (https://github.com/). If you don't already have a GitHub account, please set one up before beginning.

Your task is to craft an automated test, preferably in C# or Java with Selenium or with any popular language of your choice, to evaluate the following elements on the1. Confirm accessibility of the top-level menus: Home, Our Story, Our Solution, and Why Tendable.

@Test(priority = 1) public void testTopLevelMenusAccessibility() { String[] topMenus = {"Home", "Our Story", "Our Solution", "Why Tendable"}; for (String menu : topMenus) { WebElement menuElement = wait.until(ExpectedConditions.visibilityOfElementLocated(By.linkText(menu))); Assert.assertTrue(menuElement.isDisplayed(), menu + " menu is not accessible."); menuElement.click();

2. Verify that the "Request a Demo" button is present and active on each of the aforementioned top-level menu pages.

WebElement demoButton = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//a[text()='Request a Demo']"))); Assert.assertTrue(demoButton.isDisplayed(), "Request a Demo button is not present on " + menu + " page.");

3. Navigate to the "Contact Us" section, choose "Marketing", and complete the form— excluding the "Message" field. On submission, an error should arise. Ensure your script confirms the error message's appearance. If the error is displayed, mark the test as PASS. If absent, it's a FAIL.

@Test(priority = 2) public void testContactUsForm() { driver.findElement(By.linkText("Contact Us")).click(); // Select "Marketing" from dropdown WebElement inquiryType = wait.until(ExpectedConditions.elementToBeClickable(By.name("inquiry\_type"))); inquiryType.sendKeys("Marketing"); // Fill the email field driver.findElement(By.name("email")).sendKeys("test@example.com"); // Submit the form driver.findElement(By.name("submit")).click();

4. In the event the test for point 3 fails (meaning no error message is displayed when the "Message" field is empty), draft a bug report. This can be a Word document that you'll upload to GitHub alongside your code.

try{WebElement errorMessage = wait.until(ExpectedConditions.visibilityOfElementLocated(By.className("error-message"))); // Adjust the selector based on the actual error message element Assert.assertTrue(errorMessage.isDisplayed(), "Error message is not displayed when Message field is empty."); }

catch (Exception e)

{ generateBugReport(); Assert.fail("Error message was not displayed. Bug report generated."); } }

5. Finally, incorporate a 'Readme.md' file in your submission detailing how to run your test project, along with a brief description of: The strategy you employed for this challenge.

**Run the tests using Maven**: Open your terminal and navigate to the project directory, then run:

bash

Copy code

mvn test

Alternatively, you can run the tests directly from your IDE by right-clicking the test class and selecting "Run".

1. **Check the results**:
   * The console output will show the test results.
   * If any tests fail, a bug report document will be generated automatically in th
   * project directory.

## Testing Strategy

The testing strategy is focused on ensuring key functionalities and user flows within the Tendable website:

* **Menu Accessibility**: The tests check if the main navigation menus are accessible and correctly lead to their respective pages. This ensures users can navigate the website easily.
* **Button Verification**: The presence and functionality of the "Request a Demo" button are validated on each top-level page, which is essential for lead generation.
* **Form Submission Testing**: The contact form is tested for validation requirements. By submitting the form with an empty "Message" field, we ensure that appropriate error handling is in place, which enhances user experience.
* **Error Handling**: The automated tests confirm that when invalid inputs are provided, users receive meaningful feedback. If the expected error message is not displayed, a bug report is generated automatically for further investigation.