The submitted tests are designed to be run on cypress tool. This is an open-source web automation tool.

I tried accessing the website suggested (i.e) https://www.ups.com/us/en/HomePage from Cypress tests. I believe it could be due to security restrictions like Cross-Origin Restrictions that I was not able to directly access the UPS webpage. But on the other hand I was able to find a website that could satisfy all the requirement mentioned in the technical assessment.

The reason I believe the website I found also qualifies as an ideal candidate is because, it also has a logo that could be verified, it has links that can observed when scrolled down the page, all links redirect us to separate pages which also can be verified.

The required steps are mentioned below:

1. Open webpage
2. Validate Logo exists.
3. Navigate to the footer and count the total number of links.
4. Validate all the footer links are working.
5. Click on each link and make sure a different window opens.

I have designed automated tests using cypress for all of the above-mentioned scenarios.   
  
Website used: <https://www.orangehrm.com/>.

In order to get cypress up and running, we need to setup the environment for it.  
  
1) Download and install node.js (from nodejs.org)

To verify we can go to terminal/command line and type node –version. This will give the node version.

2) Download and install Visual Studio Code (VS Code)

3) Create a new folder ideally the path where node.js is installed.   
  
4) Once the folder is created, open the created folder in VS Code

5) Open the terminal in vscode, and execute npm -i init. (I have attached a package.json file) in case there is difficulty in setting it up.

6) The package.json is required to install other libraries such as cypress.

7) To install cypress, on the same terminal(ideally the same path) on vs code execute npm install cypress –save -dev

8) Now, if we open the folder that was created in step 3, we can see node modules. This should have cypress in it.  
  
9) To launch cypress, on the same terminal run npx cypress open. This will launch cypress.

10) Click on E2E testing option on the cypress welcome window.

11) Allow all the config files and then choose browser as chrome

12) click on the example files.

13) If we now go VS code, in the folder structure, you should see e2e.

14) Under E2E, paste the ‘mytest.cy.js’ file that I have zipped.

15) I have attached other required files as well.

16) The main cypress code is present in mytest.cy.js file.

A computer screen with white text

Description automatically generated

Figure Visits the test website and verifies logo is present.

A computer screen shot of a program code

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Figure Gets the count of total number link present in the section

A screenshot of a computer program

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Figure Opens each link separately and verifies if it opens the correct page by running a unique string check on the URL.

A computer screen with white text

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Figure Final success message