

COMPATIBILITY TEST FOR SELENIUM AUTOMATION QA ENGINEER

Question 1:

"Shopbridge" needs you to test their website that helps track the different items they have for sale.

The functional requirement includes Frontend and Backend specifications. The specification are only to understand what aspects are covered for testing.

Frontend Requirements:

Create a page with a component at the top that can be used to add a new item to the inventory. The component should require a name, description, and price for the new item. You can upload a picture of the item as well. Below the component that adds new items to the inventory, display a list containing the name and price of each item in the inventory. If your app supports image uploads, you can display a thumbnail here as well. Each item in the list should have a button to remove it from the inventory. Clicking on an item should bring the user to a new page with all the information about the selected item (name, description, price, and optionally photo).

All API calls should be asynchronous and not cause any full-page reloads. The only full-page reloads the user should see are those caused by navigating between the two pages of the app. Regarding visual styles, the only requirement is that the content of both pages should be both horizontally and vertically centred.

Backend Requirements:

All the functions of the frontend need to be served by an API call and the store's inventory should be persisted across restarts of the backend process. It will use a SQL database for any persistent data storage needs.

Tracking:

Please do your best to keep track of how long you spend on the functional analysis of each of the backend, frontend functionality, the frontend presentational aspects, and Test Case creation.

QA Requirements:

The deliverable shall be shared via GitHub, BitBucket, SourceTree, or any versioning System containing all relevant Test Cases in the correct sequence.

Evaluation and Scoring:

The design will be simple and minimal. You are free to ask any questions for clarification or help.

You will be evaluated on the below attributes -

- Test Case completeness of Frontend requirements
- Test Case completeness of Backend requirements
- Identify and define Test Cases for automation

Next Steps:

1. Read the requirement thoroughly. Please keep a copy of it for a reference if needed.

2. Send the deliverable to deep@thinkbridge.in, shivani@thinkbridge.in in the next 1 week via GitHub, BitBucket, or SourceTree. If not received within the specified time, we will consider it as an un-attempted question.
3. Click on the Submit button of this test.

Question 2

One of the travel websites requires you to automate their Flight Search function.

Automation Requirements:

- Launch a new Browser.
- Open URL <http://jt-dev.azurewebsites.net/#/SignUp>
- Validate that the dropdown has "English" and "Dutch"
- Fill in your name.
- For organization, use your name as well.
- Input your email address.
- Click on "I agree to the Terms And Conditions"
- Click on "SignUp"
- Validate that you received an email.

Deliverable:

The deliverable shall be shared via GitHub, BitBucket, SourceTree, or any versioning System containing all relevant Test Cases in the correct sequence.

Evaluation and Scoring:

You are free to ask any questions for clarification or help.

You will be evaluated on the below attributes -

1. A working codebase delivered via Github, Gitlab, or Bitbucket.
2. 'Readme.md' on the codebase, explaining how to run the deliverable.
3. Test Case Completeness of Requirements.
4. Automation Code Readability.
5. Use of Advance Technical concepts.
6. Tracking or Journaling your work to tell how you have spent your time on this problem.

Next Steps:

1. Read the requirement thoroughly. Please keep a copy of it for a reference if needed.
2. Send the deliverable to deep@thinkbridge.in, shivani@thinkbridge.in in the next 1 week via GitHub, BitBucket, or SourceTree. If not received within the specified time, we will consider it as an un-attempted question.
3. Click on the Submit button of this test.

Question 3.

One of the registration websites requires your suggestion on the Usability aspects of their website.

Functional Requirement:

Launch a new Browser.

Open URL <https://www.bestundertaking.net/NewConnection.aspx>

Provide your feedback/improvements/suggestions as a Functional Quality Engineer and as an End - User in terms of
Functionality
Usability
UI Aesthetics

Deployment Requirements:

1. The code should be shared via GitHub, BitBucket, or SourceTree holding all relevant code.

IMPORTANT NOTE - DO NOT send an invite to collaborate. Add the deliverables in PUBLIC REPOSITORY in **Github, Bitbucket or SourceTree** and send the LINK to the following email ID –

Primary - deep@thinkbridge.in