TSB

Objective:
Complete the assignment to demonstrate your knowledge, skills and experience in test automation. Provide answers considering best practices, good design/coding principles, robust and reliable (non-flaky) tests, debugging support, reports etc.

Support:
If you have any questions or concerns, reach out to Kerry Coleman - kerry.coleman@tsb.co.nz

Application Under Test: https://www.tmsandbox.co.nz/

Documentation: https://developer.trademe.co.nz

Notes:
1. **Submit your answers within one week of receiving the assignment**.
2. Feel free to **use any tools, programming language or frameworks** of your choice.
3. Once completed, **share the code via GitHub**.
   a. Add a ReadMe file with instructions for how to setup environment and run your tests.
   b. Include test results/reports from your own run.
   c. Don't forget to make your repository public.

Task #1 – Testing:
1. **List the test cases** for the home page (https://www.tmsandbox.co.nz/).
   a. Feel free to use a simple text file or markdown document to list the scenarios.
   b. Do not provide the detailed steps, just the high-level use cases/titles (1-2 lines max).
   c. Indicate which of these tests shall be automated and should be part of which suites e.g. smoke, sanity, integration, full regression etc. and why? – in short.

Task #2 - UI Automation:
1. Explore and list the test cases for the 'Search' functionality on the homepage.
   a. Consider both functional and non-functional aspects of testing.
   b. **Automate** your tests.

Task #3 - API test automation:
1. **Automate the test cases to validate the retrieve categories API functionality**.
   a. API documentation: https://developer.trademe.co.nz/api-reference/catalogue-methods/retrieve-general-categories
   b. Refer to documentation and 'Examples' provided to help in developing the tests.
   c. Consider positive, negative tests, edge cases, security and performance aspects and validating the format, type and arrangement of data expected and so on in the responses, if relevant.

Next Steps: Once your submission is received, we will review it and schedule a technical interview for selected ones. During interview, candidates will be expected to run the tests on their side and answer technical questions including (but not limiting) to the approach and choices made in the assignment.