AUTOMATION TESTING EXERCISE

Read through each of the following questions and provide a Java-based solution as a URL to a source code repository. No additional dependencies should be required. Throughout all of your work, please document any assumptions you make.

Question 1

Imagine that you have taken over some work from a colleague who is off work sick. They started writing a test and it is up to you to finish it. Your colleague got as far as figuring out the API URL to be tested, but it seems like it is responding with an error.

The URL your colleague found is here:

https://www.unibet.co.uk/kambi-rest-api/gameLauncher2.json

A. Find out what is wrong with the URL call and fix it so that a correct HTTP 200 response is returned, rather than an error 400.
   Hint: you know that this URL is already called from the main website here: https://www.unibet.co.uk/betting/sports/home
B. Write a test that will make sure that the correct parameters are passed to the URL and that the response contains correct data.

Question 2

It seems that your poor colleague has had to take a second day off ☹ The next piece of work that you need to help with is to write a new test for an API call which is used on the main website.

The API URL is here: https://www.unibet.co.uk/sportsbook-feeds/views/sports/a-z

A. You will notice that in some of the sections there is an **A-Z Widget**. Write a test for the API endpoint to check that each of the sports in the A-Z Widget satisfies the following criteria:
   - The **name** attribute must be a valid string with only alphanumeric and whitespace characters.
   - The **boCount** attribute must be a valid, positive integer.
   - The **iconUrl** attribute must be a valid URL and also be a valid image file.
B. Extend the testing mechanism so that it can run against endpoints coming from multiple domains, for example:
   - https://www.unibet.co.uk/sportsbook-feeds/views/sports/a-z
   - https://www.unibet.se/sportsbook-feeds/views/sports/a-z
   - https://www.unibet.com/sportsbook-feeds/views/sports/a-z