Automated Test Framework for kpmg.nl

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Introduction

The automation framework was developed to test the website kpmg.nl

It's specifically targeting the site in Netherlands(Dutch) as this is the default site that opens when accessing kpmg.nl from the Netherlands

Approach

1. The site was manually tested to investigate functionality and then the features to be tested were decided

2. Gherkin language was used to describe each feature

3. Included environment.py in the root directory which contains important steps to run before/after features

4. The step definitions were created for each scenario

5. Allure was used to generate a report

Description of features tested

These features were primarily tested:

- Presence of KPMG logo - logo.feature

- Drop down menu - dropdownmenus.feature (this verifies the presence of 'Trending' and 'Sectoren' block and verifies the links in the dropdown menu)

- Search function - search.feature (verifies search functionality)

- Change language function - changelanguage.feature (verifies the ability to change language, the language can be given as a variable to the feature file)

- Presence of various items/links on the site - midlinks.feature (verifies the presence of 8 topics on the homepage)

Results

All test scenarios passed without

any errors or issues.

The Allure report provided detailed

information about each scenario.
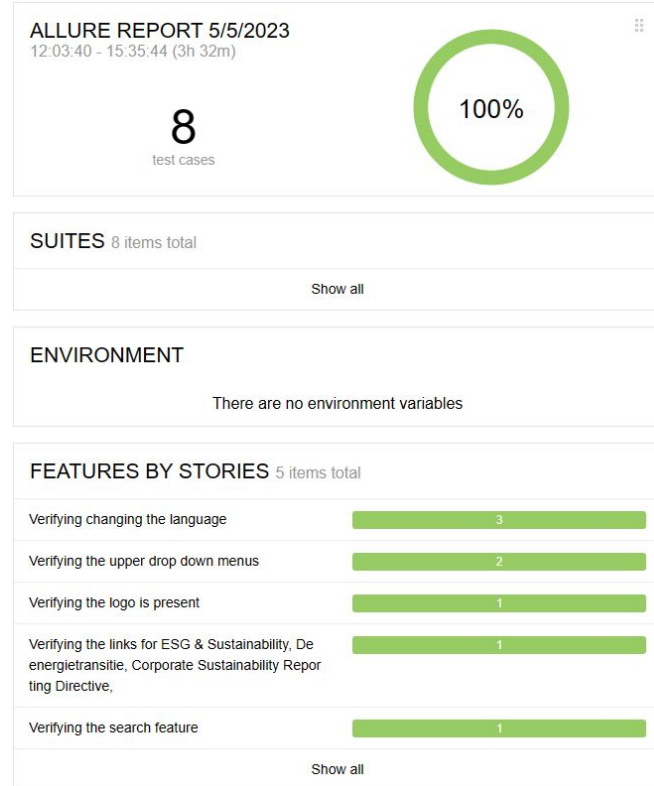
Improvements that can be made

Instead of finding elements by keywords that are in Dutch, they can be found by XPath :

XPath for the first two elements in the dropdown menu for Trending -

//body[1]/div[1]/header[1]/div[2]/div[1]/div[1]/nav[1]/ul[1]/li[1]/div[1]/div[1]/div[1]/div[1]/nav[1]/div[1]/a[1]

//body[1]/div[1]/header[1]/div[2]/div[1]/div[1]/nav[1]/ul[1]/li[1]/div[1]/div[1]/div[1]/div[1]/nav[1]/div[2]/a[1]

The highlighted part can be iterated from 1:6 and the presence of the elements can be verified.