Automate Test Documentation for Greyp Bikes Website

This document provides a detailed overview of the automated tests conducted on the Greyp Bikes website. The tests are designed to validate various functionalities of the website, including bike selection and customization, bike comparison, bike model listing, and language change.

The tests are organized into four directories, each focusing on a specific page or functionality:

1. **test_home_page**: Contains tests for changing the language to German and opening the page.
2. **test_epower_page**: Contains tests for the "Compare" button functionality and the number of bikes listed.
3. **test_esuv_page:** Contains tests for bike comparison visibility and bike model listing.
4. **test_bike_detail_page**: Contains a test for bike selection and customization.

The tests are automated using Selenium WebDriver and pytest, and are executed in an automated test environment using a web browser controlled by Selenium WebDriver. The test strategy is functional testing, where each test case is designed to validate a specific function of the website.

The risks associated with these tests include potential issues with the website's functionality, such as problems with bike listing, comparison, selection, and customization. These could affect the user's ability to view, compare, select, and customize bikes on the website.

By providing a detailed description of each test case, including the test steps, expected results, and risks, this document serves as a comprehensive guide to the automated testing process for the Greyp Bikes website.

Verify Opening of Home Page and Display of Greyp Logo

Test case Description

This test case verifies that the home page of Greyp Bikes website can be opened, the cookies acceptance can be clicked, and the Greyp logo is displayed.

Preconditions

The website is accessible.

Test steps

1. Open the home page of the Greyp Bikes website.
2. Click the cookies acceptance button.
3. Check if the Greyp logo is displayed.

Expected Result

1. The home page of the Greyp Bikes website opened successfully.
2. The cookies acceptance button is clicked successfully.
3. The Greyp logo is displayed.

Test strategy

This is a functional test case that is automated using Selenium WebDriver and pytest.

Context

This test case is executed in an automated test environment using a web browser controlled by Selenium Webdriver.

Risks

If this test case fails, it could indicate a problem with the website's basic functionality, such as loading the home page, handling cookies, or displaying the logo. This could affect the user's ability to use the website.

Verify Language Change to German on Home Page

Test case Description

This test case verifies that the language of the Greyp Bikes website can be changed to German and that the change is reflected in the URL and the header text.

Preconditions

The website is accessible and the German language option is available.

Test Steps

1. Open the home page of the Greyp Bikes website.
2. Click the cookies acceptance button.
3. Click the German language button.
4. Check if the URL has changed to the German home page URL.
5. Check if the header text contains the German greeting.

Expected Result

1. The home page of the Greyp Bikes website is opened successfully.
2. The cookies acceptance button is clicked successfully.
3. The German language button is clicked successfully.
4. The URL changes to the German home page URL.
5. The header text contains the German greeting.

Test Strategy

This is a functional test case that is automated using Selenium Webdriver and pytest.

Context

This test case is executed in an automated test environment using a web browser controlled by Selenium Webdriver.

Risks

If this test case fails, it could indicate a problem with the website's language change functionality. This could affect the user's ability to use the website in their preferred language.

Verify Display of Nine Bikes on ePower Page

Test Case Description

This test case verifies that the ePower page of the Greyp Bikes website displays a list of nine bikes.

Preconditions

The website is accessible and the ePower page is available.

Test Steps

1. Open the ePower page of the Greyp Bikes website.
2. Click the cookies acceptance button.
3. Check if the bike list is visible and contains nine bikes.

Expected Result

1. The ePower page of the Greyp Bikes website is opened successfully.
2. The cookies acceptance button is clicked successfully.
3. The bike list is visible and contains nine bikes.

Test strategy

This is a functional test case that is automated using Selenium Webdriber and pytest.

Context

This test case is executed in an automated test environment using a web browser controlled by Selenium WebDriver.

Risks

If this test case fails, it could indicate a problem with the website's functionality of displaying the list of bikes on the ePower page. This could affect the user's ability to view and select bikes.

Verify Appearance of 'Compared Products' Button After Selecting a Bike for Comparison on ePower page

Test Case Description

This test case verifies that the "Compared Products" button appears on the ePower page of the Greyp Bikes website after a user selects a bike for comparison by clicking the "Compare" checkbox.

Preconditions

The website is accessible, the ePower page is available, and at least one bike is listed for comparison.

Test Steps

1. Open the ePower page of the Greyp Bikes website.
2. Click the cookies acceptance button.
3. Click the "Compare" checkbox for a bike.
4. Check if the "Compared products" button appears.

Expected Result

1. The ePower page of the Greyp Bikes website is opened successfully.
2. The cookies acceptance button is clicked successfully.
3. The "Compare" checkbox for a bike is clicked successfully.
4. The "Compared Products" button appears.

Test Strategy

This is a functional test case test that is automated using Selenium WebDriver and pytest.

Context

This test case is executed in an automated test environment using a web browser controlled by Selenium WebDriver.

Risks

If this test case fails, it could indicate a problem with the website's functionality of comparing products on the ePower page. This could affect the user's ability to compare different bikes.

Verify Bike Comparison Functionality on eSuv Page

Test Case Description

This test case verifies that the bike comparison functionality works correctly on the eSuv page of the Greyp Bikes website. It checks that the correct bikes are being compared, their images are displayed, and the "Close Comparison" button is visible.

Preconditions

The website is accessible, the eSuv page is available, and at least two bikes are listed for comparison.

Test steps

1. Open the eSuv page of the Greyp Bikes website.
2. Click the cookies acceptance button.
3. Select two bikes for comparison.
4. Click the "Compared Products" button.
5. Click the "Compare now" button.
6. Check that the correct bikes are being compared.
7. Check that the bike images are displayed.
8. Check that the "Close Comparison" button is visible.

Expected Result

1. The eSuv page of the Greyp Bikes website is opened successfully.
2. The cookies acceptance button is clicked successfully.
3. Two bikes are selected for comparison successfully.
4. The "Compared Products" button is clicked successfully.
5. The "Compare now" button is clicked successful.
6. The correct bikes are being compared.
7. The bike images are displayed.
8. The "Close Comparison" button is visible.

Test strategy

This is a functional test case that is automated using Selenium Webdriver and pytest.

Context

This test case is executed in an automated test environment using a web browser controlled by Selenium WebDriver.

Risks

If this test case fails, it could indicate a problem with the website's functionality of comparing bikes on the eSuv page. This could affect the user's ability to compare different bikes.

Verify Listing of Expected Bike Models on eSuv Page

Test Case Description

This test case verifies that the eSuv page of the Greyp Bikes website lists the expected bike models.

Preconditions

The website is accessible and the eSuv page is available.

Test Steps

1. Open the eSuv page of the Greyp Bikes website.
2. Click the cookies acceptance button.
3. Check that the header is visible.
4. Check that the expected bike models ('t50', 't51', 't52') are listed.

Expected Result

1. The eSuv page of the Greyp Bikes website is opened successfully.
2. The cookies acceptance button is clicked successfully.
3. The header is visible.
4. The expected bike models ('t50', 't51', 't52') are listed.

Test Strategy

This is a functional test case that is automated using Selenium Webdriver and pytest.

Context

This test case is executed in an automated test environment using a web browser controlled by Selenium Webdriver.

Risks

If this test case fails, it could indicate a problem with the website's functionality of listing bike models on the eSuv page. This could affect the user's ability to view and select bikes.

Verify Bike Selection and Customization on ePower Page

Test Case Description

This test case verifies that a user can select a bike and customize it (select size and engine) on the ePower page of the Greyp Bikes website.

Preconditions

The website is accessible, the ePower page is available, and at least one bike is listed for customization.

Test Steps

1. Open the ePower page of the Greyp Bikes website.
2. Click the cookies acceptance button.
3. Click the "Learn more" button for a bike.
4. Check that the correct bike is opened.
5. Select size 'M' for the bike.
6. Check that the correct size is selected.
7. Check that the rider height is visible.
8. Select engine '460W | 45 km/h' for the bike.
9. Check that the correct engine is selected.

Expected Result

1. The ePower page of the Greyp Bikes website is opened successfully.
2. The cookies acceptance button is clicked successfully.
3. The "Learn more" button for a bike is clicked successfully.
4. The correct bike is opened.
5. Size 'M' for the bike is selected successfully.
6. The correct size is selected.
7. The rider height label is visible.
8. Engine '460W | 45 km/h' for the bike is selected successfully.
9. The correct engine is selected.

Test Strategy

This is a functional test case that is automated using Selenium WebDriver and pytest.

Context

This test case is executed in automated test environment using a web browser controlled by Selenium Webdriver.

Risks

If this test fails, it could indicate a problem with the website's functionality of selecting and customizing bikes on the ePower page. This could affect the user's ability to customize their bike.