**Test Report**

**Objective:**

The test aims to ensure users can add stamps, navigate shopping, and checkout smoothly.

**Scope: Test functionalities:**

* Add stamps to cart.
* Navigate shopping process.
* Calculate delivery fee before checkout.
* Fill checkout form.
* Validate postal code format.
* Verify users can proceed after filling form correctly.

**Approach:**

We'll use Robot Framework for automated testing. The scripts will simulate user actions and verify expected outcomes, utilizing Selenium library and custom keywords for interaction with the application.

**To run this script:**

* Install Python, Robot Framework, and Robot Framework seleniumlibrary.
* Ensure Chrome and chromedriver, Firefox and geckodriver, Edge and edgedriver are installed.
* Navigate to the script folder in the command line.
* Execute the script using the following command:
  + robot -v BROWSER:<browser\_name> --outputdir ./test\_results testcases.robot
  + Replace `<browser\_name>` with the desired browser (chrome, firefox, or edge).
  + Test results will be saved in the test\_results folder.
* If you'd like the test to run in browser mode instead of headless mode, please remove the `add\_argument("--headless")` from the keywords.resource file -> Setup and Open Posti Page keywords.

**Detailed description for each test case**

* **Test Case 1: User adds desired stamp to cart**

Objective: Verify users can add a desired stamp to their cart on the Posti.fi/en website.

Steps:

* Handle Cookie Popup if displayed.
* Click "All stamps" button on the homepage.
* Add the desired stamp to the cart. If out of stock, choose alternative options.
* Verify cart updates with the correct quantity.

Outcome:

User successfully adds desired stamp to cart, and cart quantity updates accordingly.

* **Test Case 2: Verify cart updates on increase and decrease button click**

Objective: Ensure cart updates correctly when user clicks increase and decrease buttons, and calculate delivery fee.

Steps:

* Click on cart button to navigate to cart page.
* Increase cart quantity by 3 and verify update.
* Decrease cart quantity by 2 and verify update.
* Calculate delivery fee based on final cart total.

Outcome:

Cart quantity updates correctly; delivery fee calculated accurately.

* **Test Case 3: User can add stamps and continue Shopping, then proceed to shopping cart**

Objective: Verify users can add stamps, continue shopping, and proceed to shopping cart.

Steps:

* Ensure "Continue Shopping" option is available on cart page.
* Add another stamp to cart and continue shopping.
* Navigate to shopping cart.
* Calculate delivery fee and proceed to checkout.

Outcome:

Users can add stamps, continue shopping, and proceed to checkout without issues.

* **Test Case 4: User navigates to checkout page and fills checkout form**

Objective: Ensure users can navigate to checkout page, fill out form, and validate postal code format.

Steps:

* Click on "Checkout" button.
* Fill out checkout form.
* Enter invalid postal code format and verify alert.
* Enter valid postal code format.

Outcome:

Users can navigate to checkout, fill out form, and correct postal code format is validated.

* Test Case 5: User proceeds to next step after filling form correctly

Objective: Verify users can proceed to next step after filling checkout form correctly.

Steps:

* Click "Save and Continue" button.
* Verify information area on next page.

Outcome:

Users can proceed to next checkout step after filling form correctly; information displayed accurately.

**Test Results:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case | Steps | Expected Outcome | Actual Outcome | Status |
| User adds desired stamp to cart | 1. Handle Cookie Popup if displayed.  2. Click "All stamps" button.  3. Add desired stamp to the cart. | Cart updates with correct quantity. | Behaviour same as expected outcome | Pass |
| Verify cart updates on increase and decrease button click | 1. Navigate to cart.  2. Modify quantities.  3. Check delivery fee calculation. | Cart and fees update correctly. | Behaviour same as expected outcome | Pass |
| User can add stamps and continue shopping, then checkout | 1. Add stamp, continue shopping.  2. Proceed to checkout.  3. Calculate delivery fee. | Successful addition to cart and checkout navigation. | Behaviour same as expected outcome | Pass |
| User navigates to checkout page and fills checkout form | 1. Navigate to checkout.  2. Fill out form with valid and invalid postal codes. | Form accepts valid input and validates postal code correctly. | Behaviour same as expected outcome | Pass |
| User proceeds to next step after filling form correctly | 1. Fill checkout form correctly.  2. Click "Save and Continue".  3. Verify transition and information accuracy. | Correct transition to next step and accurate information display. | Behaviour same as expected outcome | Pass |

Screenshot of test report  
A screenshot of a computer

Description automatically generated