Functional Tests Report

ID	GSTR-110504

Purpose 🔗

The purpose of this document is to provide information about the tests conducted on the website https://skleptest.pl/ and the quality of the tested application, based on which stakeholders can make decisions regarding the further development phase of the application.

Test subject decription 🔗

The website https://skleptest.pl/ is a fictional store designed for testers who want to practice automated testing. The store has its own database, allowing users to register, log in, and then save or update billing and shipping addresses. Users can also add products to their cart, specifying the desired quantity, update the cart, and make purchases by selecting their preferred payment method. Due to the nature of the website, it is not possible to provide credit card numbers, and no orders will be fulfilled. The creators of the website intentionally included various types of defects, both functional and non-functional, so that testing practitioners can identify and report them.

Documentation used 🔗

Lack of documentation regarding the subject of the tests.

Test scope 🔗

The following elements have undergone testing

- The Logo
- Links and buttons in the header

- Search engine
- Links in the main menu
- Links in the main menu dropdown list
- Buttons in the slider section
- Links in product thumbnails
- Buttons in product thumbnails
- Loading images in product thumbnails
- Links in blog thumbnails
- Buttons in the footer
- Recent post images
- Saving to the newsletter
- Register an account
- Login
- Account navigation
- Billing address form
- Country dropdown list
- Quantity field on product pages
- Adding products to the shopping cart
- Shopping cart table
- Quantity field in the shopping cart
- Buttons in the shopping cart
- Expanding form on the checkout page
- Payment methods

Testing has not been conducted on the following elements:

- Redemption of discount coupons - functionality not implemented

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Types of tests conducted 🔗

- Functional tests

Test acceptace criteria 🔗

- Clicking on a link redirects to the correct page
- Hovering over the image on thumbnails smoothly enlarges it, allowing for a closer inspection of the product details
- Proper system behavior occurs after entering correct data in the newsletter form
- Proper system behavior occurs after entering incorrect data in the newsletter form
- Proper system behavior occurs after entering correct phrases in the search engine
- Proper system behavior occurs after entering incorrect phrases in the search engine
- Proper system behavior occurs after entering correct data in the register form
- Proper system behavior occurs after entering incorrect data in the register form
- Proper system behavior occurs after entering correct data in the login form
- Proper system behavior occurs after entering incorrect data in the login form

- Clicking the trigger element expands the country dropdown list
- Proper system behavior occurs after entering correct country name in the country dropdown list search field
- Proper system behavior occurs after entering correct partial country name in the country dropdown list search field
- Proper system behavior occurs after entering incorrect country name in the country dropdown list search field
- Selecting the country name triggers the appearance of correct additional fields in the billing address
- Proper system behavior occurs after entering correct billing address data in the billing address form
- Proper system behavior occurs after entering incorrect billing address data in the billing address form
- Proper system behavior occurs after entering correct values in quantity fields
- Proper system behavior occurs after entering incorrect values in quantity fields
- Clicking the relevant link in the checkout page triggers the appearance of the corresponding form
- Correct system behavior occurs upon selecting a specific payment method
- The maximum waiting time after clicking on a link matches the time specified in the requirements
- The maximum waiting time after clicking on a navigational image matches the time specified in the requirements
- Clicking on a navigational icon redirects to the correct page
- The maximum waiting time after clicking on a navigational icon matches the time specified in the requirements

Test complete criteria 🔗

The end criteria is defined as the time at which the testing was concluded

Risks 🔗

- Lack of documentation containing information regarding the requirements of certain functionalities

## Execution of tests 🔗

Testing entity	Paweł Aksman

Test environment 🔗

Operating system	Ubuntu 22.04.4 LTS
Language	pl_PL.UTF-8
System manufacturer	To Be Filled By O.E.M.
BIOS	- Vendor: American Megatrends Inc. - Version: P1.90 - Release Date: Date: 12/06/2013 - Address: 0xF0000 - Runtime Size: 64 kB - ROM Size: 8 MB
Processor	Intel(R) Core(TM) i5-4440 CPU @ 3.10GHz

Memory	16GB RAM
Available memory	11GB RAM
Browsers	- Google Chrome - Mozilla Firefox - Micorsoft Edge

Duration of testing 🔗

Manual tests on Google Chrome browser	45m 39s
Manual tests on Microsoft Edge browser	37m 31s
Manual tests on Mozilla Firefox browser	36m 22s
Automatic tests on Google Chrome browser	5m 5s
Automatic tests on Microsoft Edge browser	6m 20s
Automatic tests on Mozilla Firefox browser	9m 21s

Test durations
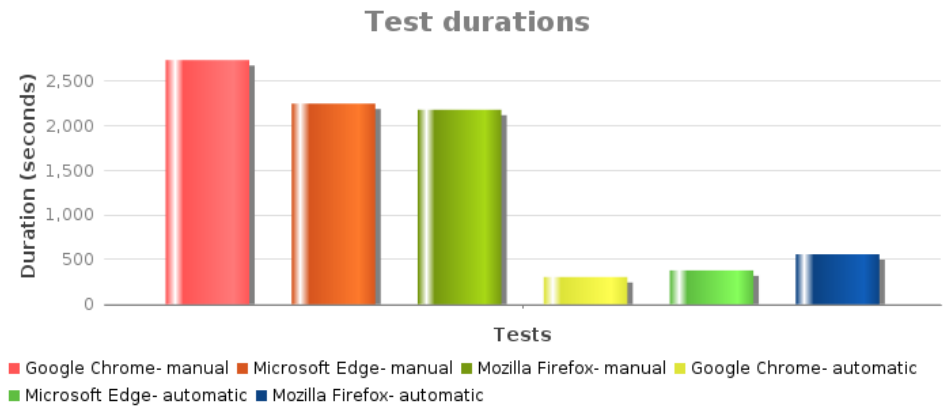
## Metrics 🔗

Manual tests on Google Chrome browser	~13.5 sec
Manual tests on Microsoft Edge browser	~40.7 sec.
Manual tests on Mozilla Firefox browser	~25.6 sec
Automatic tests on Google Chrome browser	~1.6 sec
Automatic tests on Microsoft Edge browser	~0.85168 sec
Automatic tests on the Mozilla Firefox browser	~ 4.8 sec

Average

Tests on the Google Chrome browser

Fraction	0.89

Total number of testcases	359
Number of testcases executed	357
Number of testcases non executed	2

Test execution rate

99%

- ● Number of testcases executed
- ● Number of testcases non executed
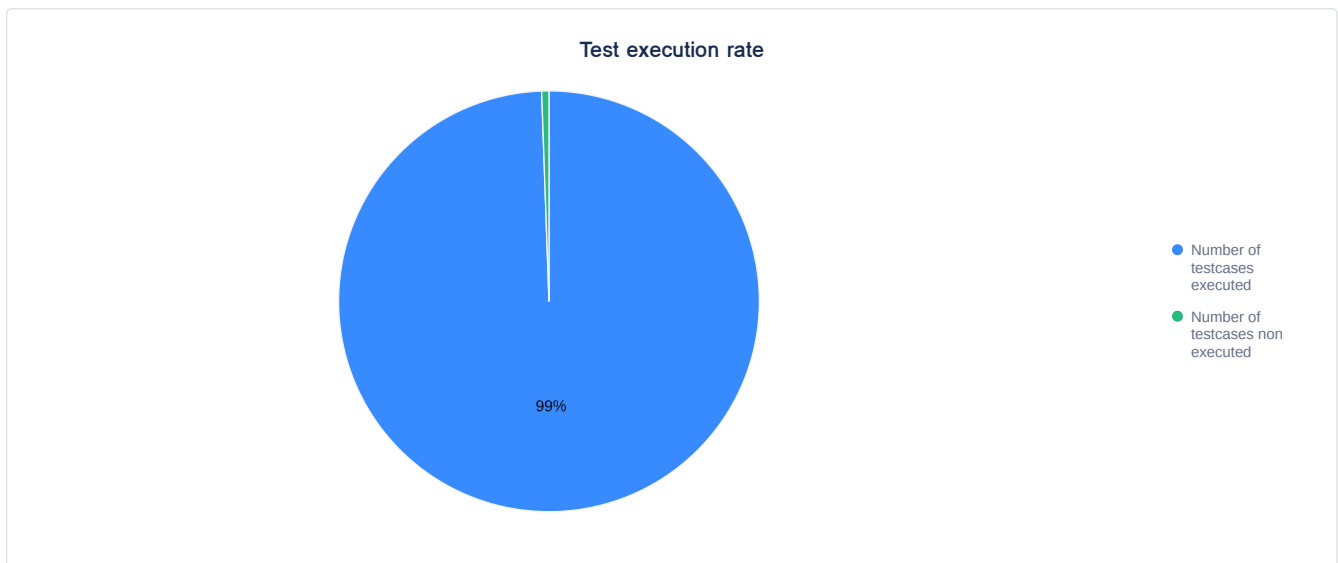
Tests on the Google Chrome Browser

Fraction	0.89

Total number of testcases	359
Number of testcases executed	357
Number of testcases non executed	2

Number of testcases executed	357

Number of test cases passed	313
Number of test cases failed	40
Number of test cases skipped	4

Completion stats

Number of defects	40
Number of defects with CRITICAL severity	16
Number of defects with MAJOR severity	20
Number of defects with NORMAL severity	3
Number of defects with MINOR severity	0

Severity distribution of defects
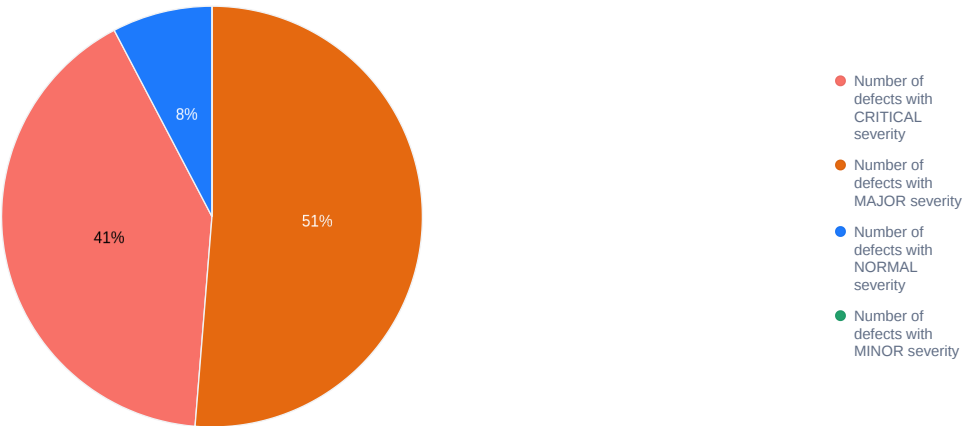
Tests on the Microsoft Edge browser

Fraction	0.81

Number of testcases	366
Number of testcases executed	364
Number of testcases non executed	2

Test execution rate

- Number of testcases executed
- Number of testcases non executed

99%

Number of testcases executed	364
Number of test cases passed	292
Number of test cases failed	68
Number of test cases skipped	4

Completion stats

- Number of test cases passed
- Number of test cases failed
- Number of test cases skipped

19%

80%

Number of defects	68
Number of defects with CRITICAL severity	16
Number of defects with MAJOR severity	47
Number of defects with NORMAL severity	3

Number of defects with MINOR severity	0

Severity distribution of defects

- Number of defects with CRITICAL severity
- Number of defects with MAJOR severity
- Number of defects with NORMAL severity
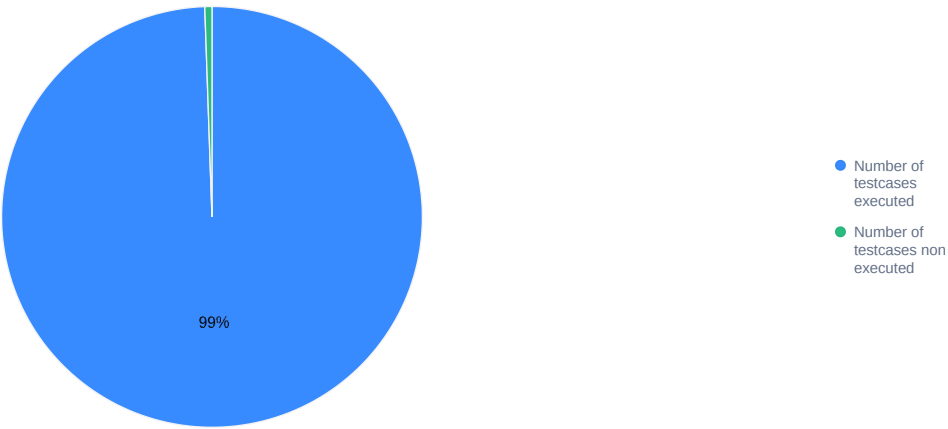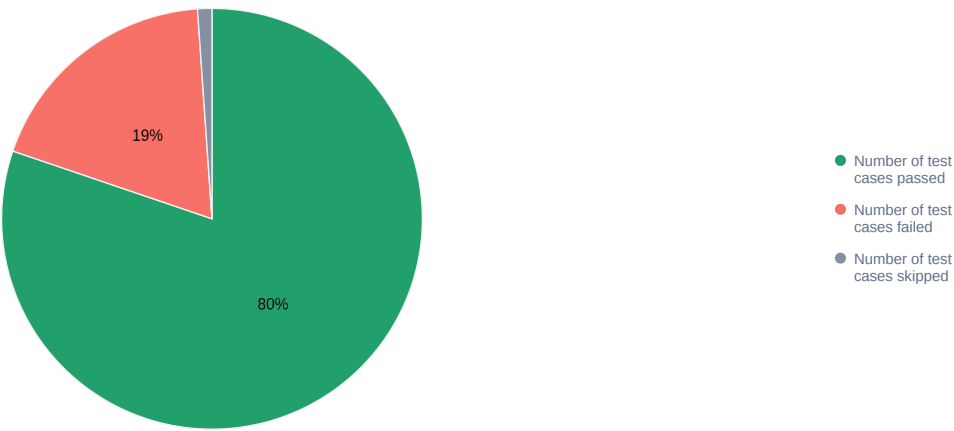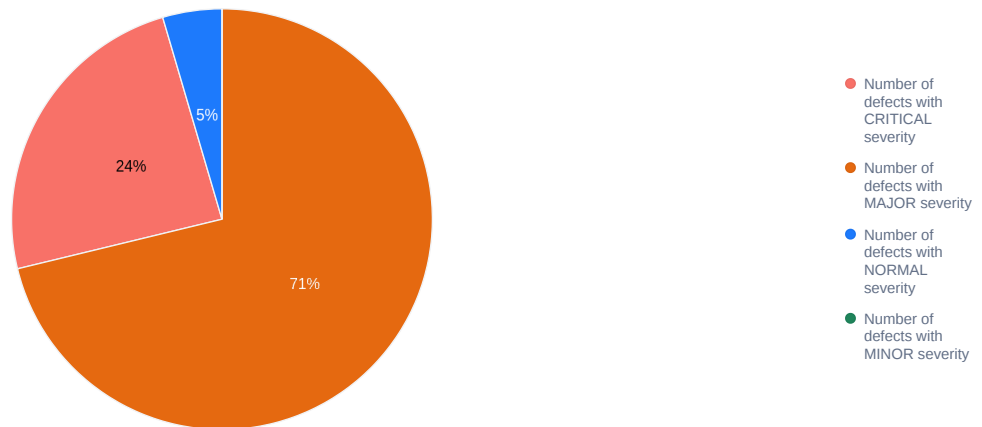- Number of defects with MINOR severity

Tests on the Mozilla Firefox browser

Fraction	0.87

Total number of test cases	354
Number of testcases executed	352
Number of testcases non executed	2

Test execution rate

- Number of testcases executed
- Number of testcases non executed

Number of test cases	352
Number of testcases passed	303
Number of testcases failed	45

Number of testcases skipped	4

Completion stats

- Number of testcases passed
- Number of testcases failed
- Number of testcases skipped

Number of defects	45
Number of defects with CRITICAL severity	8
Number of defects with MAJOR severity	31
Number of defects with NORMAL severity	3
Number of defects with MINOR severity	1

Severity distribution of defects

- Number of defects with CRITICAL severity
- Number of defects with MAJOR severity
- Number of defects with NORMAL severity
- Number of defects with MINOR severity
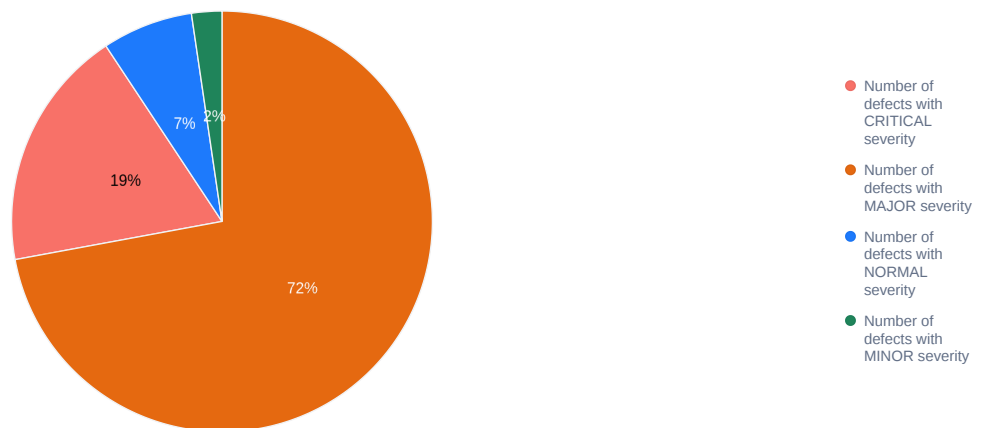
Defects 🔗

ID	D-001
Summary	After clicking the "About Us" link in the main menu, an incorrect page opens
Browser	• Google Chrome

	• Microsoft Edge
	• Mozilla Firefox
Pre-conditions	• A browser is run
	• The https://skleptest.pl/ page is open
Steps to Replicate	• Click the "About Us" link
Expected result	The https://skleptest.pl/about-us/ page has been opened
Actual result	The https://skleptest.pl/test-contact-blablabla/ page has been opened
Severity	NORMAL

ID	D-002
Summary	After clicking the "Categories" link in the main menu, an incorrect page opens
Browser	• Google Chrome
	• Microsoft Edge
	• Mozilla Firefox
Pre-conditions	• A browser is run
	• The https://skleptest.pl/ page is open
Steps to Replicate	• Click the "Catergries" link
Expected result	The https://skleptest.pl/catergries/ page has been opened
Actual result	The https://skleptest.pl/ page has been opened
Severity	CRITICAL

ID	D-003
Summary	An error message "This site can't be reached" after clicking the "Shop Now" button in the slider section
Browser	• Google Chrome
	• Microsoft Edge
	• Mozilla Firefox
Steps to Replicate	• Click the "Shop Now" button
Expected result	The https://skleptest.pl/product-category/most-wanted/ page has been opened
Actual result	The https://skleptest.pl/tag/all/ page has been opened
Severity	NORMAL

ID	D-004
Summary	After clicking the "Learn More" link in the main menu, an incorrect page opens
Browser	• Google Chrome
	• Microsoft Edge

	• Mozilla Firefox
Steps to Replicate	• Click the "Learn More" button
Expected result	The https://skleptest.pl/test-contact-blablabla/ page has been opened
Actual result	The https://skleptest.pl page has been opened
Severity	NORMAL

ID	D-005
Summary	No loaded photos on the "Black Top" thumbnails in sections: • All Blank Tops • Trends
Browser	• Google Chrome • Microsoft
Pre-conditions	• A browser is run • The https://skleptest.pl/ page is open
Steps to Replicate	• Check if the photo is loaded
Expected result	A photo is loaded correctly without any errors
Actual result	A photo is not loaded
Severity	MAJOR

ID	D-006
Summary	No loaded photos on the "Blue Sweater" thumbnails in sections: • High Heel Shoes • Featured
Browser	• Google Chrome • Microsoft Edge • Mozilla Firefox
Pre-conditions	• A browser is run • The https://skleptest.pl/ page is open
Steps to Replicate	• Check if the photo is loaded
Expected result	A photo is loaded correctly without any errors
Actual result	A photo is not loaded
Severity	MAJOR

ID	D-007
Summary	Non-functional "View Cart" buttons in product thumbnails on the homepage

Browser	- Google Chrome - Microsoft Edge - Mozilla Firefox
Pre-conditions	- A browser is run - The https://skleptest.pl/ page is open
Steps to Replicate	- Click the "Add to Cart" button in a product thumbnail - Click the "View Cart" button in a product thumbnail
Expected result	The shopping cart page has been opened
Actual result	The shopping cart page has not been opened
Severity	MAJOR

ID	D-008
Summary	No error message after attempting to subscribe to the newsletter using an incorrect email format
Browser	- Google Chrome - Microsoft Edge - Mozilla Firefox
Pre-conditions	- A browser is run - The https://skleptest.pl/ page is open - The "Name" field is blank - The "Email" field is blank
Steps to Replicate	- Enter an email - Click the "Subscribe" button
Data	- plainaddress #@%^%#$@#$@#.com @example.com - Joe Smith <email@example.com> - email.example.com - emal@example@example.com
Expected result	The popup window contains the message "Please enter a valid email address" has been displayed
Actual result	No popup window has been displayed
Severity	MAJOR

ID	D-009
Summary	The "Register" button becomes active after entering a password shorter than the minimum length (MIN - 1)
Browser	- Google Chrome - Microsoft Edge

	• Mozilla Firefox
Pre-conditions	• A browser is run
	• The https://skleptest.pl/my-account/ page is open
	• The "Email Address" field is filled
	• The "Password" field is blank
Steps to Replicate	• Enter a password
	• Check if the "Register" button is disabled
	• Check if the hint is displayed
Expected result	• The "Register" button is disabled
	• The hint is displayed
Actual result	• The "Register" button is enabled
	• The hint is not displayed
Severity	CRITICAL

ID	D-010
Summary	Ability to register using incorrect email format
Browser	• Google Chrome
	• Microsoft Edge
	• Mozilla Firefox
Pre-conditions	• A browser is run
	• The https://skleptest.pl/my-account page is open
	• The "Email address" field is blank
	• The "Password" field is filled
Steps to Replicate	• Enter an email
	• Click the "Register"
	• Check if the hint is displayed
Data	• .email@example.com
	• email.@example.com
	• email..email@example.com
Expected result	• The message about incorrect email format is displayed
	• User is not registered
Actual result	• No message about incorrect email format
	• User is registered
Severity	MAJOR

ID	D-011
Summary	After clicking the "Account details" link in the account navigation, an incorrect page opens
Browser	• Google Chrome

	- Microsoft Edge - Mozilla Firefox
Pre-conditions	- A browser is run - User is logged in - the https://skleptest.pl/my-account/ page is open
Steps to Replicate	- Click the "Account details" link
Expected result	The https://skleptest.pl/my-account/account-details/ page has been opened
Actual result	The https://skleptest.pl/my-account/customer-logout/ page has been opened
Severity	CRITICAL

ID	D-012
Summary	Lack of validation for the "First Name" field for incorrect format
Browser	- Google Chrome - Microsoft Edge - Mozilla Firefox
Pre-conditions	- A browser is run - User is logged in - The https://skleptest.pl/my-account/edit-address/billing/ page is open - The billing address form fields are blank
Steps to Replicate	- Set country - Enter a first name - Enter a last name - Enter a company - Enter an address - Enter an optional address - Enter a city - Enter a postcode - Enter a phone - Enter an email - Click the "Save address" button
Data	- 57_RockyA4qgYW_RR
Expected result	A message about an incorrect first name has been displayed
Actual result	No message about an incorrect first name, the billing address data has been saved
Severity	CRITICAL

ID	D-013
Summary	Lack of validation for the "Last Name" field for incorrect format
Browser	- Google Chrome - Microsoft Edge

	• Mozilla Firefox
Pre-condition	• A browser is run • User is logged in • The https://skleptest.pl/my-account/edit-address/billing/ page is open • The billing address form fields are blank
Steps to Replicate	• Set country • Enter a first name • Enter a last name • Enter a company • Enter an address • Enter an optional address • Enter a city • Enter a postcode • Enter a phone • Enter an email • Click the "Save address" button
Data	• 34_NvubalBoaqTS_lU
Expected result	A message about an incorrect last name has been displayed
Actual result	No message about an incorrect last name, the billing address data has been saved
Severity	CRITICAL

ID	D-014
Summary	Lack of validation for the "Street Address" field for incorrect format
Browser	• Google Chrome • Microsoft Edge • Mozilla Firefox
Pre-conditions	• A browser is run • User is logged in • The https://skleptest.pl/my-account/edit-address/billing/ page is open • The billing address form fields are blank
Steps to Replicate	• Set country • Enter a first name • Enter a last name • Enter a company • Enter an address • Enter an optional address • Enter a city • Enter a postcode • Enter a phone • Enter an email • Click the "Save address" button

Data	• AddPFmress-KARon
Expected result	A message about an incorrect street address has been displayed
Actual result	No message about an incorrect address , the billing address data has been saved
Severity	CRITICAL

ID	D-015
Summary	Lack of validation for the "Street Address" optional field for incorrect format
Browser	• Google Chrome • Microsoft Edge • Mozilla Firefox
Pre-conditions	• A browser is run • User is logged in • The https://skleptest.pl/my-account/edit-address/billing/ page is open • The billing address form fields are blank
Steps to Replicate	• Set country • Enter a first name • Enter a last name • Enter a company • Enter an address • Enter an optional address • Enter a city • Enter a postcode • Enter a phone • Enter an email • Click the "Save address" button
Data	• 4#260@@3
Expected result	A message about an incorrect street address has been displayed
Actual result	No message about an incorrect optional address , the billing address data has been saved
Severity	CRITICAL

ID	D-016
Summary	Lack of validation for the "Postcode / ZIP" field for incorrect format
Browser	• Google Chrome • Microsoft Edge • Mozilla Firefox
Pre-conditions	• A browser is run • User is logged in • The https://skleptest.pl/my-account/edit-address/billing/ page is open

	• The billing address form fields are blank
Steps to Replicate	• Set country • Enter a first name • Enter a last name • Enter a company • Enter an address • Enter an optional address • Enter a city • Enter a postcode • Enter a phone • Enter an email • Click the "Save address" button
Data	• 78-nOr2P
Expected result	A message about an incorrect postcode has been displayed
Actual result	No message about an incorrect postcode , the billing address data has been saved
Severity	MAJOR

ID	D-017
Summary	Lack of validation for the "Town / City" field for incorrect format
Browser	• Google Chrome • Microsoft Edge • Mozilla Firefox
Pre-conditions	• A browser is run • User is logged in • The https://skleptest.pl/my-account/edit-address/billing/ page is open • The billing address form fields are blank
Steps to Replicate	• Set country • Enter a first name • Enter a last name • Enter a company • Enter an address • Enter an optional address • Enter a city • Enter a postcode • Enter a phone • Enter an email • Click the "Save address" button
Data	• 77358308
Expected result	A message about an incorrect city has been displayed
Actual result	No message about an incorrect city , the billing address data has been saved

Severity	**MAJOR**

ID	D-018
Summary	Lack of validation for the quantity field in a product page when entering an incorrect value- minimum
Browser	• Google Chrome • Microsoft Edge • Mozilla FIrefox
Pre-conditions	• A browser is run • A product page is open
Steps to Replicate	• Enter a quantity • Click the "Add to cart" button
Expected result	A validation message has been displayed
Data	• -99999999999999
Actual result	No validation message has been displayed, a product has been added to the shopping cart
Severity	**MAJOR**

ID	D-019
Summary	Lack of validation for the quantity field in a product page when entering an incorrect value- minimum + 1
Browser	• Google Chrome • Microsoft Edge • Mozilla Firefox
Pre-conditions	• A browser is run • A product page is open
Steps to Replicate	• Enter a quantity • Click the "Add to cart" button
Data	• -99999999999998
Expected result	A validation message has been displayed
Actual result	No validation message has been displayed, a product has been added to the shopping cart
Severity	**MAJOR**

ID	D-020
Summary	Lack of validation for the quantity field in a product page when entering an incorrect value- maximum + 1

Browser	• Google Chrome
	• Microsoft Edge
Pre-conditions	• A browser is run
	• A product page is open
Steps to Replicate	• Enter a quantity
	• Click the "Add to cart" button
Data	• 9,223,372,036,854,775,808
Expected result	A validation message has been displayed
Actual result	No validation message has been displayed, a product has been added to the shopping cart
Severity	**MAJOR**

ID	D-021
Summary	Lack of validation for the quantity field in a product page when a qauntity field is blank
Browser	• Google Chrome
	• Microsoft Edge
	• Mozilla Firefox
Pre-conditions	• A browser is run
	• A product page is open
	• The qauntity field is blank
Steps to Replicate	• Click the "Add to cart" button
Expected result	A message about empty the quantity field has been displayed
Actual result	No message about empty the quantity field has been displayed, a product has been added to the shopping cart
Severity	**MAJOR**

ID	D-022
Summary	Lack of validation for the quantity field in the shopping cart page when entering an incorrect value- minimum
Browser	• Google Chrome
	• Microsoft Edge
	• Mozilla Firefox
Pre-conditions	• A browser is run
	• Products are added to the shopping cart
	• The shopping cart is open
Steps to Replicate	• Enter a quantity
	• Click the "Update cart" button

Data	• -99999999999999
Expected result	A validation message has been displayed
Actual result	No validation message has been displayed, the shopping cart has been updated
Severity	**MAJOR**

ID	D-023
Summary	Lack of validation for the quantity field in the shopping cart page when entering an incorrect value- minimum + 1
Browser	• Google Chrome • Microsoft Edge • Mozilla Firefox
Pre-conditions	• A browser is run • Products are added to the shopping cart • The shopping cart is open
Steps to Replicate	• Enter a quantity • Click the "Update cart" button
Data	• -99999999999998
Expected result	A validation message has been displayed
Actual result	No validation message has been displayed, the shopping cart has been updated
Severity	**MAJOR**

ID	D-024
Summary	Lack of validation for the quantity field in the shopping page when entering an incorrect value- maximum + 1
Browser	• Google Chrome • Microsoft Edge • Mozilla Firefox
Pre-conditions	• A browser is run • Products are added to the shopping cart • The shopping cart is open
Steps to Replicate	• Enter a quantity • Click the "Update cart" button
Data	• 9,223,372,036,854,775,808
Expected result	A validation message has been displayed
Actual result	No validation message has been displayed, the shopping cart has been updated
Severity	**MAJOR**

ID	D-025
Summary	Lack of validation for the quantity field in the shopping cart page when a qauntity field is blank
Browser	• Google Chrome • Microsoft Edge • Mozilla Firefox
Pre-conditions	• A browser is run • Products are added to the shopping cart • The shopping cart is open • The quantity field is blank
Steps to Replicate	• Click the "Update cart" button
Expected result	A message about empty the quantity field has been displayed
Actual result	No message about empty the quantity field has been displayed, the shopping cart has been updated
Severity	MAJOR

Summary of the Testing Process 🔗

The report includes both manual and automated functional tests. One testing environment was utilized, utilizing the three most popular browsers: Google Chrome, Microsoft Edge, and Mozilla Firefox. Automation of tests was achieved using appropriate tools along with tools for generating test reports.

Designing additional test cases is recommended to achieve the maximum coverage of functionalities through testing.

Conclusions 🔗

"During the website testing, critical and major defects were identified in key functionalities such as page links, newsletter subscription, billing information setup, and numerical fields on product and cart pages, aimed at setting the desired quantity of a product. These defects require immediate rectification, therefore it is recommended to refrain from releasing the website for public use until they are fixed to ensure stability and proper functioning of the platform.