

# FINAL PORTFOLIO

Testing an E-commerce site

Software Tester Course  
Software Development Academy  
Fall 2022

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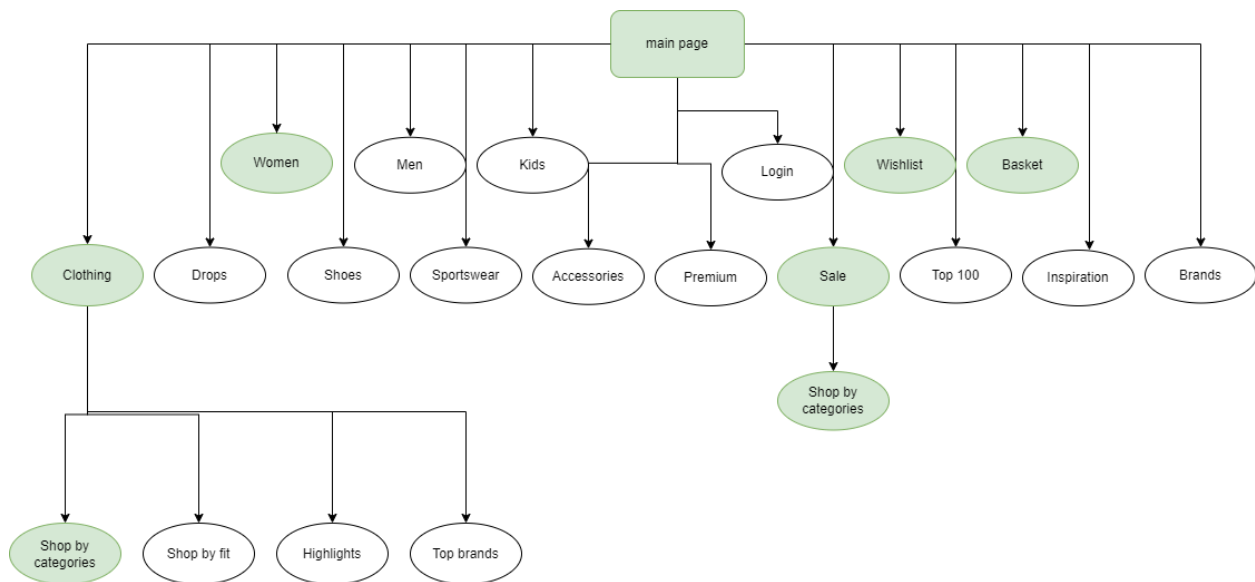
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## Document Purpose

The aim of this document is to present final project made during the software tester course in Software Development Academy in fall 2022. The final project provides overview of what I have learned during the four-month course. During the final project testing E-commerce site About You: <https://www.aboutyou.com/> This website is popular E-commerce site with large e-shop and commercials in different platforms.

## Testing section

For testing five categories were chosen. All of those are rooted from main page. Firstly, women section, then clothing section, sales section, wishlist and finally the basket. In the following section is a partial diagram of sections in the About You webpage. The elements shown are related to main page and information shown in the diagram is related to the pages tested.














**Figure 1.** Diagram of testing sections in About You e-shop. Diagram made in <https://app.diagrams.net/>

## Testing checklist

The checklist was created in TestRail. Below a checklist for testing is provided containing 36 test case. A sample of possible test cases were made for checklist and this checklist can be much longer. For testing ten cases were chosen from the checklist and those are presented in the next section of this document. All the screenshots are also present in GitHub:

[https://github.com/FreydisEhrlich/sda\\_tester\\_final\\_project](https://github.com/FreydisEhrlich/sda_tester_final_project)

Test Cases		
Sort: <a href="#">Section</a>   Filter: <a href="#">None</a>		
Usability 5 		
	ID	Title
	C5	Check if structure is easy to use
	C8	Check if the environment is pleasant to look at
	C9	Check if the information is easy to use
	C12	Check if the links and banners are redirecting to the correct product/category pages
	C13	Check if data is up to date
<a href="#">Add Case</a>   <a href="#">Add Subsection</a>		
Compatibility 2 		
	ID	Title
	C10	Check if the site is usable in computer and in mobile.
	C11	Check if the site is usable in different browsers
<a href="#">Add Case</a>   <a href="#">Add Subsection</a>		

**Figure 2.** First part of testing checklist. Screenshot taken from TestRail.

**Functionality** 9

	ID	Title
	C3	Check if translation works correctly
	C4	Check if search works as expected
	C6	Check if dropdowns work as expected
	C14	Verify if product details are accessible
	C15	Verify that sorting works as expected
	C16	Verify that filter works as expected
	C20	Verify that things can be added to wishlist
	C36	Verify that wishlist is updated when things are added
	C37	Verify that category pages list specific items to the category


[Add Case](#) | [Add Subsection](#)





















**Security** 1

	ID	Title
	C7	Verify that the webpage is secure to use

[Add Case](#) | [Add Subsection](#)

**Figure 3.** Second part of testing checklist. Screenshot taken from TestRail.

Cart and checkout functionality 19 

 <input type="checkbox"/> ID	Title
 <input type="checkbox"/> C17	Check that "Add to basket" is clickable
 <input type="checkbox"/> C18	Check if adding items to the basket works as expected
 <input type="checkbox"/> C19	Check "Add to basket" functionality - adding to cart without selecting a size
 <input type="checkbox"/> C21	Check if removing items from basket works
 <input type="checkbox"/> C22	Check that the number of items changes when adding or removing items from the basket
 <input type="checkbox"/> C23	Check that the success message is displayed when things are added to basket
 <input type="checkbox"/> C24	Check that the success message is displayed when things are deleted from the basket
 <input type="checkbox"/> C25	Check if it is possible to change the quantity of the item in the basket
 <input type="checkbox"/> C26	Check if the items are still in the basket when leaving the site and returning to the site later
 <input type="checkbox"/> C27	Check if it is possible to add to cart items that are out of stock
 <input type="checkbox"/> C28	Verify that all the payment methods are listed in the check out page
 <input type="checkbox"/> C29	Verify that in checkout correct final amount is displayed
 <input type="checkbox"/> C30	Check that basket is updated when additional items are added later
 <input type="checkbox"/> C31	Check if same item can be added to basket multiple times
 <input type="checkbox"/> C32	Check that multiple products of different types can be added to the basket
 <input type="checkbox"/> C33	Check that for each item in basket, name, price and description is displayed
 <input type="checkbox"/> C34	Check that the price is discounted when discount code is applied
 <input type="checkbox"/> C35	Verify that things from wishlist can be added to the basket
 <input type="checkbox"/> C38	Check if unregistered user can proceed checkout

[Add Case](#) | [Add Subsection](#)

**Figure 4.** Third part of testing checklist. Screenshot taken from TestRail.

## Test cases

Test cases were recorded in TestRail. For this Final Project ten possible test cases were created followed by the requirements of the project. The screenshots of test cases are provided below. All the screenshots are also in GitHub, as those are better to read there. All test were taken using Lenovo Thinkpad Laptop, windows 10 21H2, Chrome. For one test case (sorting) a short video with Screencast-O-Matic was used. Even though there were no bug, the video was taken for learning purposes. The video can be viewed in the GitHub:

[https://github.com/FreydisEhrlich/sda\\_tester\\_final\\_project/blob/main/TestCase\\_sorting.mp4](https://github.com/FreydisEhrlich/sda_tester_final_project/blob/main/TestCase_sorting.mp4)



Return to Dashboard
SDA Final

OVERVIEW
TODO
MILESTONES
TEST RUNS & RESULTS
TEST CASES
REPORTS

RB
Compatibility Test Run 12/10/2022

0 Passed  
0% set to Passed

0 Blocked  
0% set to Blocked

0 Retest  
0% set to Retest

1 Failed  
100% set to Failed

0% passed  
0 / 1 untested (0%).

Sort: Section
Filter: None
Add Results
Assign To
Columns

Compatibility
1

ID	Title	Status
T40	Check if the site is usable in computer and in mobile.	Failed

Type
Other

Priority
Medium

Estimate
None

References
C1

Automation Type
None

Preconditions

Go to https://www.aboutyou.ee/

Steps

1
Step description
Go to https://www.aboutyou.ee/ and open Device Mode in Chrome.
Expected Result
The mobile version should be well useable.

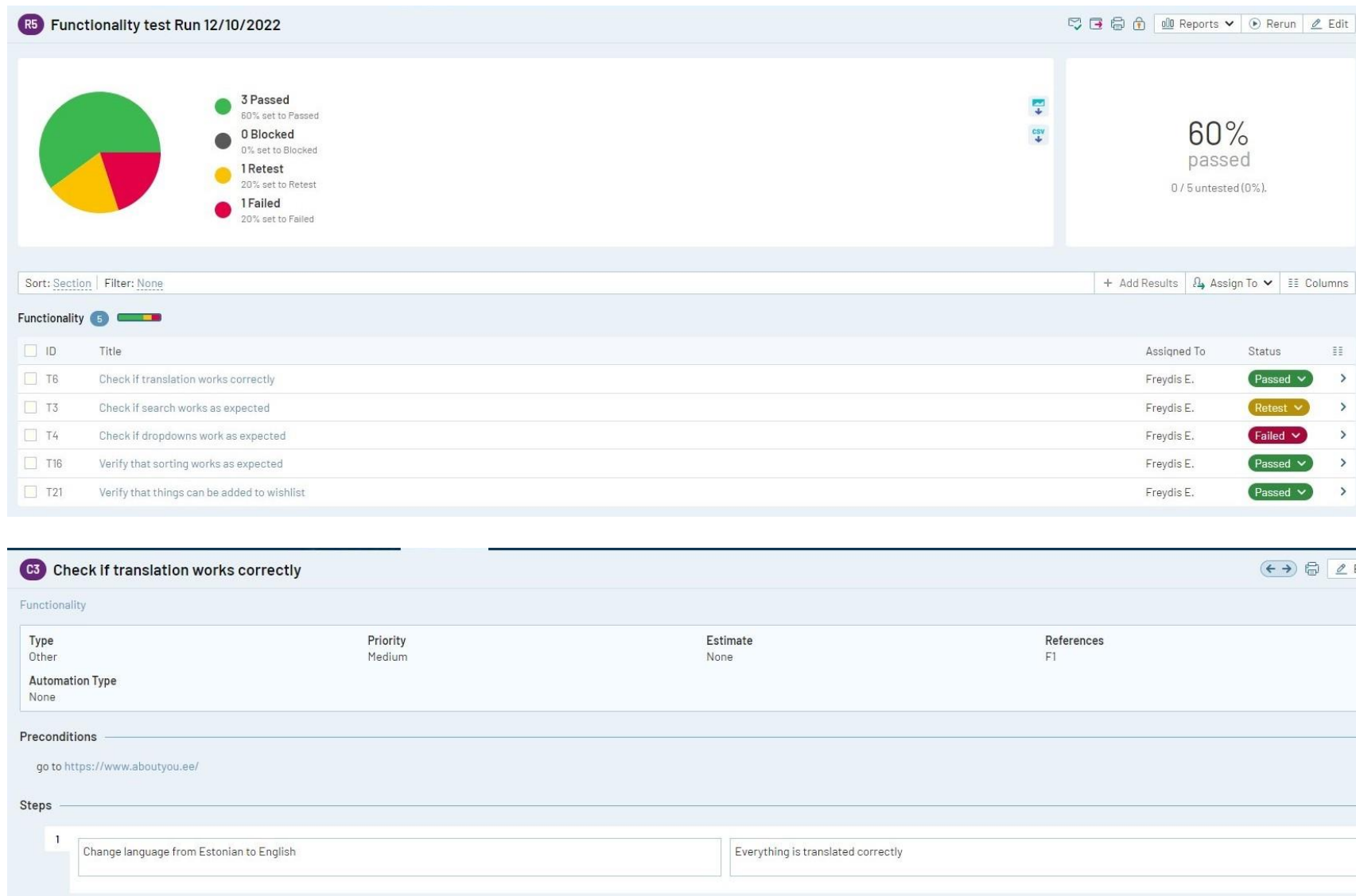
RESULTS & COMMENTS
HISTORY & CONTEXT
DEFECTS

Failed

12/10/2022 1:28 PM  
Freydis E. Edit

In the mobile version some problems emerged. Screenshot is added to Backlog

**Figure 5.** First test case. Screenshot taken from TestRail.



**Figure 6.** Picture of second group of test cases and the second test case. Screenshot taken from TestRail.

C4

Check if search works as expected

← → 🖨️ ✎️ Edit

Functionality

Type	Priority	Estimate	References
Other	High	None	F2
Automation Type			
None			

Preconditions

Go to <https://www.aboutyou.ee/>

Steps

1

Insert "blouse" to the search bar and click enter.

Blouses or products which name includes "blouse" should be presented.

C6

Check if dropdowns work as expected

← → 🖨️ ✎️ Edit

Functionality

Type	Priority	Estimate	References
Other	Medium	None	F3
Automation Type			
None			

Preconditions

go to <https://www.aboutyou.ee/>

Steps

1

On the dropdown menu, click on sportswear

It should give a possibility to choose between women, men and kids

**Figure 7.** Test cases three and four. Screenshot taken from TestRail.

C15

Verify that sorting works as expected

↔ 🖨 ✎ Edit

Functionality

Type	Priority	Estimate	References
Other	High	None	None
Automation Type			
None			

Preconditions

go to <https://www.aboutyou.com/>

Steps

1	Choose category "SALE"	All things in sale should be presented.
2	Go to sort and choose "lowest price"	Items should be listed from lowest price to the highest price
3	Go to sort and choose "highest price"	Items should be listed from highest price to the lowest price

**Figure 8.** Test case five. Screenshot taken from TestRail.

C20

Verify that things can be added to wishlist

↔️ 🖨️ ✎️ Edit

Functionality

Type Other	Priority Medium	Estimate None	References F5
Automation Type None			

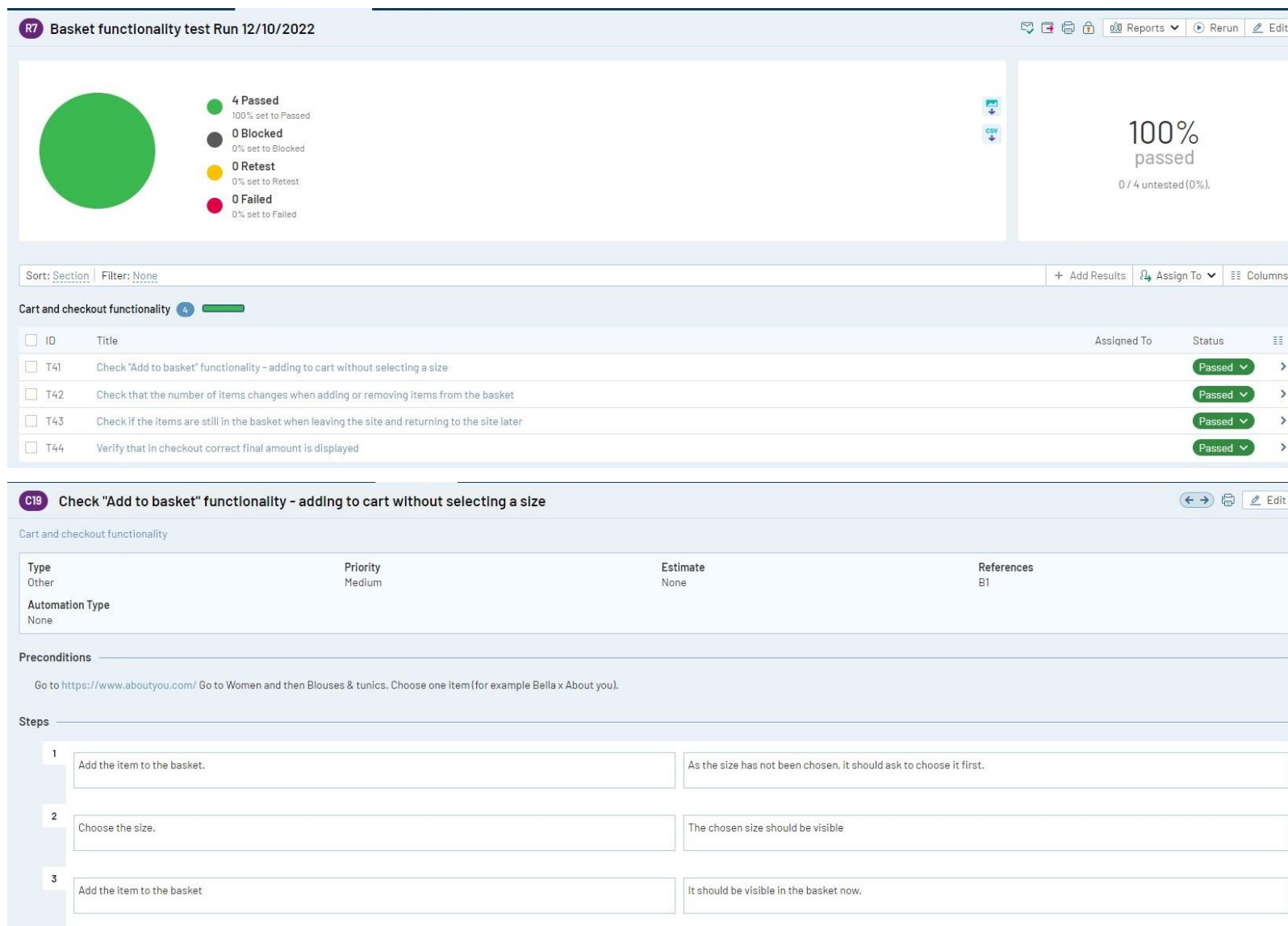
Preconditions

Go to <https://www.aboutyou.com/> On the main page choose women and under clothing "explore all"

Steps

1	From "explore all" choose an item, for example Bella x AboutYou trousers and add it to the wishlist by clicking on the heart symbol.	Item should be added to wishlist (heart turns black)
2	Go to wishlist and verify that item is in the wishlist	Item is in the wishlist
3	Go back to the clothings and add another thing to wishlist	Two items should be in the wishlist now.
4	Go to wishlist and delete both things from the wishlist	The wishlist should be empty.

**Figure 8.** Test case six. Screenshot taken from TestRail.



**Figure 9.** Third group of test cases and test case seven. Screenshot taken from TestRail.

C22

Check that the number of items changes when adding or removing items from the basket

↔

🖨

✎ Edit

Cart and checkout functionality

Type	Priority	Estimate	References
Other	Medium	None	B2
Automation Type			
None			

Preconditions

Go <https://www.aboutyou.com/> and navigate to Women and then Blouses & tunics. Choose one item (for example Bella x About you).

Steps

1	After choosing a size, add the item to the basket	There should be one item in the basket
2	Add another item from the Blouses and tunics list to the basket	There should be two items in the basket
3	Go to basket and change quantity of first item from one to two	There should be three items in the basket
4	Delete both of the doubled item	There should be one item in the basket

**Figure 10.** Test case eight. Screenshot taken from TestRail.

C26

Check if the items are still in the basket when leaving the site and returning to the site later

↔

🖨

✎ Edit

Cart and checkout functionality

Type Other	Priority Medium	Estimate None	References None
Automation Type None			

Preconditions

Go <https://www.aboutyou.com/> and navigate to Women and then Blouses & tunics. Choose one item (for example Bella x About you).

Steps

1	Add item to the basket (after choosing the size)	There should be one item in the basket
2	Close the browser	Browser will be closed
3	Open browser and navigate to <a href="https://www.aboutyou.com/">https://www.aboutyou.com/</a>	The website should open
4	Check if the item added before is still in the basket	The item should still be in the basket

**Figure 11.** Test case nine. Screenshot taken from TestRail.



C29

Verify that in checkout correct final amount is displayed

← → 🖨️ ✎️ Edit

Cart and checkout functionality

Type	Priority	Estimate	References
Other	Medium	None	None
Automation Type			
None			

Preconditions

Go <https://www.aboutyou.com/> and navigate to Women and then Blouses & tunics. Choose one item (for example Bella x About you).

Steps

1	Add the item to the basket.	The final amount should be the price of the item.
2	Add another item to the basket (for example ABOUT YOU x Marie von Behrens)	The final amount should be sum of two items
3	Double the second item (ABOUT YOU x Marie von Behrens)	The final amount should be increased accordingly
4	Delete first item.	The final amount should decrease accordingly

**Figure 12.** Test case ten. Screenshot taken from TestRail.

## Bug report

Bug report were created in two environments. At first, bugs were reported in Jira. Later, for learning purposes, those were also created in the Backlog. Of those two, Backlog seemed easier to use, while it also had a small problem. Namely, everything was in English, but when selecting if the issue created is a task, bug or etc., the selection was in Chinese and it did not change when language was changed. All the screenshots of bugs are also presented in GitHub.

Epic

Issues without epic

> SDA Final project

+ Create Epic

SDA Sprint 1 4 Dec – 11 Dec (3 issues)

0 0 0 Complete

SFP-5 Usability

IN PROGRESS

SFP-6 F3 Dropdowns

TO DO

SFP-7 F2 Search

TO DO

+ Create issue

Backlog (0 issues)

0 0 0

Your backlog is empty.

+ Create issue

Add epic / SFP-6

1

F3 Dropdowns

To Do

Description

Under clothing should be possibility to choose between women, men and kids, but it automatically shows womens.

Linked issues

+

blocks

SFP-8 Usability testing = TO DO

Details

Assignee

Unassigned

Assign to me

Labels

usability

Sprint

SDA Sprint 1

FE

Add a comment...

Pro tip: press **M** to comment

Figure 13. Bug one in Jira.

## Bug: F2 Search



**Freydis Ehrlich**

Created Dec. 10, 2022 05:31:08

### Steps:

1. Insert "blouse" to the search bar and click enter.

Expected result: Blouses or products which name includes "blouse" should be presented.

Actual result: First two times of clicking enter, nothing happened. On third time only one item was displayed. On the fourth time search was as expected. Added under Retest in TestRail.

Assignee



Freydis Ehrlich

Category

Functionality

Resolution



**Figure 14.** Bug two in Backlog. This was not recorded as a bug in TestRail. Rather it seems that it needs a retest.

## C1 Compatibility in Mobile



**Freydis Ehrlich**

Created Dec. 10, 2022 07:31:47

Steps:

1. Go to <https://www.aboutyou.ee/> and open Device Mode in Chrome.

Expected result: The mobile version should be well useable.

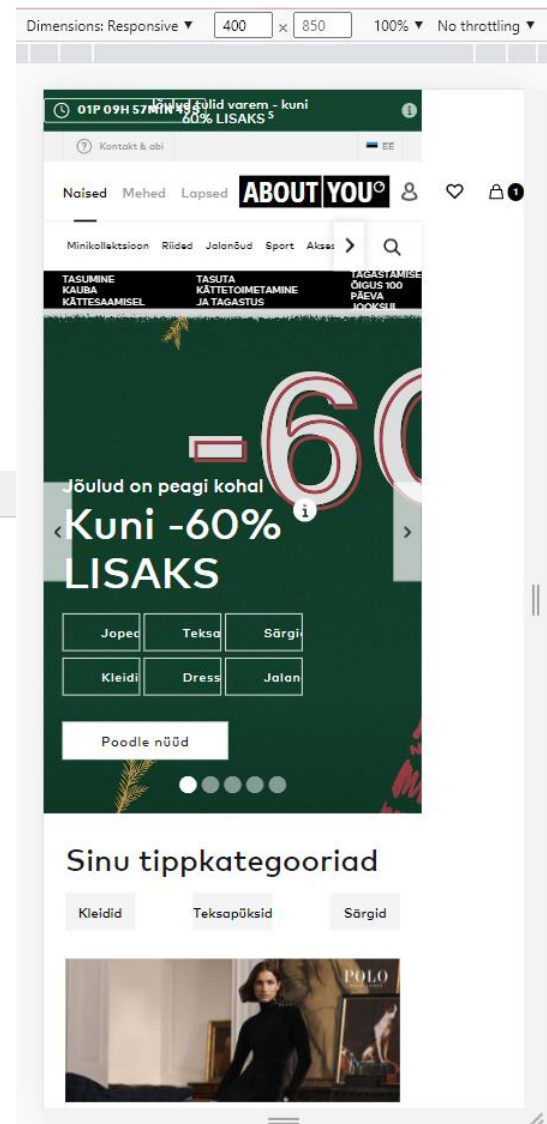
Actual result: The mobile version had some problems with banners.



Assignee



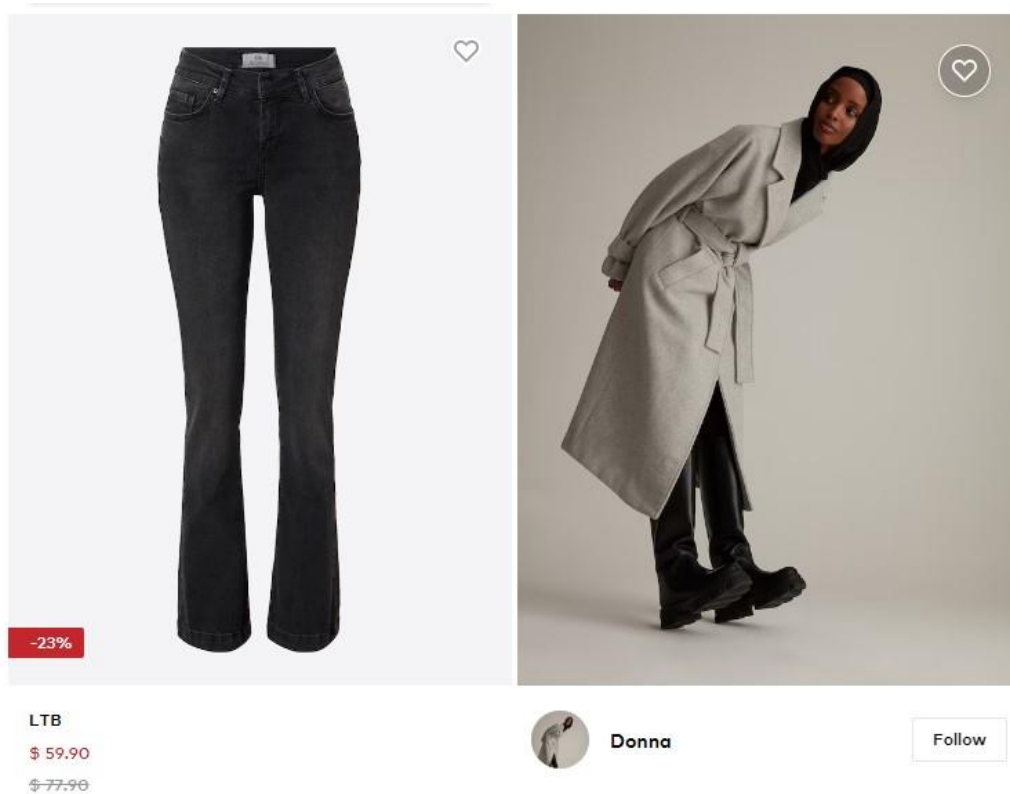
Freydis Ehrlich



**Figure 15.** Bug three in Backlog and closer screenshot of the problem.

## Improvements

While testing, one thing seemed to need improvement. Namely, when adding a thing to wishlist, there is no button that is named “wishlist”. On the picture of the product there is small heart symbol that is filled with white color and this needs to be clicked in order to add it to the list. The problem is that in most cases this white heart is on light background and might be difficult to notice. For outfits the heart is better displayed.



**Figure 16.** The screenshot of the wishlist symbol of item and of outfit.

## Test Design Techniques

The testing started with static testing, as first step was planning – defining the scope and purpose of the testing. Mainly the Ad-hoc technique and exploratory testing was used. Partially, the testing was based on the checklist as well considering typical things that could be tested for e-commerce site. This testing project was based on the black-box technique as no code was analyzed in the process.

The testing section was defined in app.diagrams.net. Testing checklist and test cases were created in TestRail. Bugs were reported in Backlog and in Jira. For screenshots Snip & Sketch and for videos Screencast-O-Matic were used. For one test Simulate mobile devices with Device Mode in Chrome was used to test mobile view of the site. All the information and full files are recorded in: [https://github.com/FreydisEhrlich/sda\\_tester\\_final\\_project](https://github.com/FreydisEhrlich/sda_tester_final_project)

## Reflection

The final project provided great opportunity to analyse what have been learned during the software tester course. Most of the project did not cause any difficulties. However, as expected, at first, many tools and ideas needed additional reading and practice to better understand and remember the previously studied information. This final project help to go more thorough with some topics. For example it helped to improve the knowledge about testing checklists and test design techniques – the topics covered in the course at the beginning and now needed some reminding. Additionally TestRail was more thoroughly discussed. During this final project, Backlog and Screencast-O-Matic was used. Neither of those were used as an example during previous weeks in the course and therefore final project gave opportunity to learn new programs. This showed also my ability to learn new things quickly. The most difficult part was creating the testing section diagram as I have not done anything like that before. Also, in the future more different environments should be used in testing.

The project help to make better understanding of previously learned things and some new programs was needed to be studied giving opportunity to learn more. Overall, the process were interesting and exciting in every step.