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# FINAL PORTFOLIO

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Kiur Thomas Vehmanen



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SOFTWARE DEVELOPMENT ACADEMY

Sandra Budreviciene

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# Document Purpose

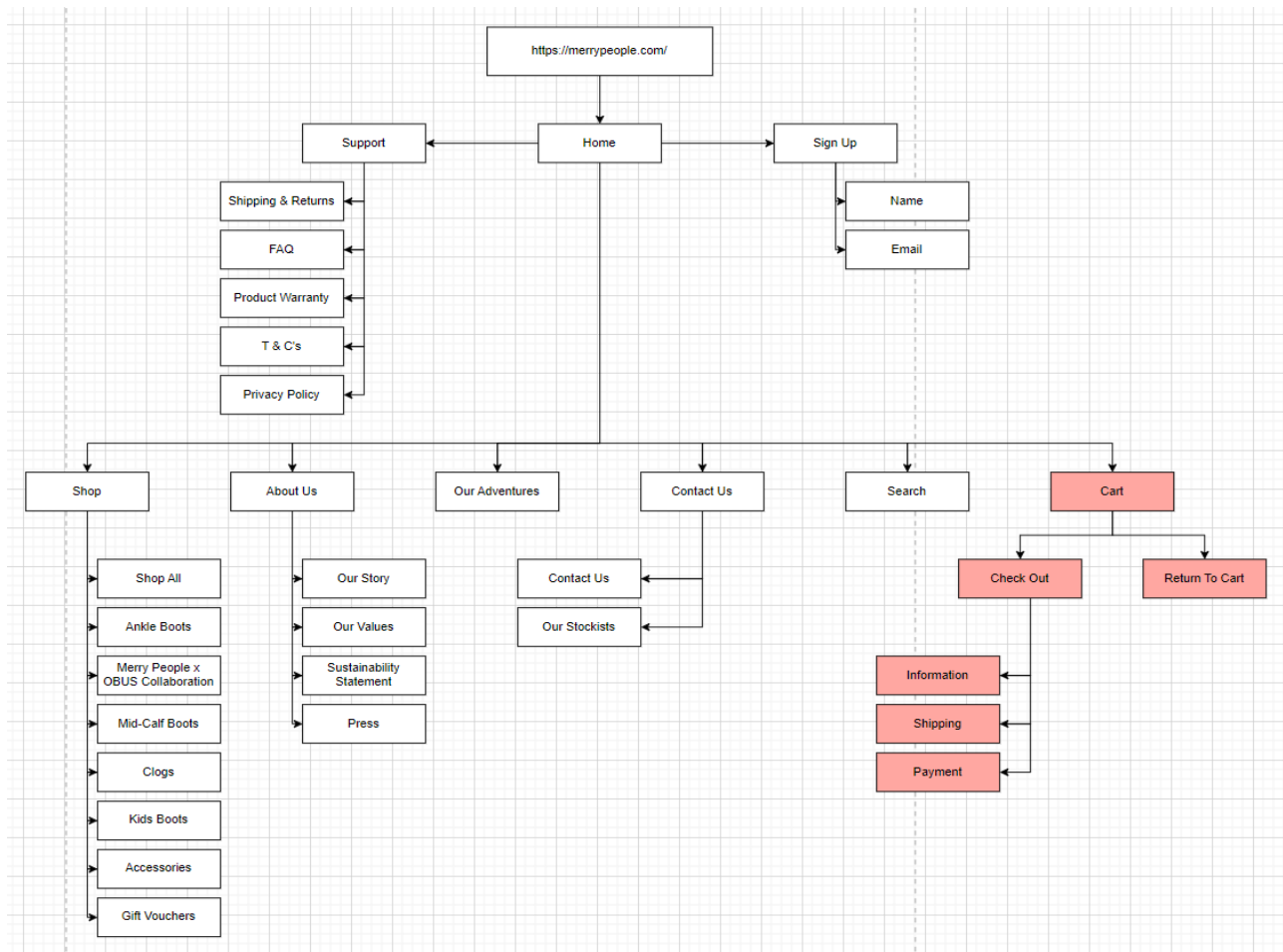
The purpose of this testing project is to write and compile a complete testing report with practical output in real life situations. My testing object <https://merrypeople.com/> is an e-commerce website.

Merry People is a small business that sells sustainable and ethically made rain boots. Their e-commerce website features a simple and clean design, with product images and descriptions, a shopping cart, and a checkout process. Customers can browse different categories of rain boots, select their size and color, and add products to their cart. The checkout process includes a secure payment gateway, as well as options for shipping and delivery. The website also features a blog section with articles related to sustainable fashion and the company's mission.

## Testing Section

Testing section diagram

My testing focus and section is website shopping cart, that is in red color.



# Testing Checklist

## TestRail overview

**Test Cases**

123 Shared Test StepsReports Run Test

Sort: SectionFilter: NoneDisplay Deleted Test CasesAdd CaseEditDeleteColumns

**Shopping cart and checkout process** 11

Shopping cart and checkout process: The shopping cart and checkout process should be tested to ensure that customers can add items to their cart, review their order, and complete the checkout process successfully. Payment gateways should also be tested to ensure that transactions are processed securely.

ID	Title
C1	Adding to shopping cart
C10	Negative adding to shopping cart
C8	Shopping cart item count
C11	Shopping cart functionality
C12	Adding to shopping cart
C4	Remove items from the cart
C3	Positive proceed to checkout
C9	Negative proceed to checkout
C5	Shipping costs
C7	Shopping cart - Taxes
C6	Apply coupons

Add CaseAdd Subsection

# Detailed Test Cases

TestRail test cases

## C1 Adding to shopping cart

 Edit

Type	Priority	Estimate	References
Functional	Medium	10 minutes	None
Automation Type			
None			

### Preconditions

The website what is used is running and products on the website are available before testing.

### Steps

1	Navigate to Merry People website <a href="https://merrypeople.com/">https://merrypeople.com/</a>	Merry People homepage has been opened successfully
2	Click "Shop" category on the left and select option "Shop All" field	Costumer is able to choose categorie
3	Choose any product from "Shop All" category	Product page has been opened with all mandatory information
4	Select boots size and color	Customer is able to choose boots size and color
5	Hit "add to cart" button	Customer is able to click "Add To Cart" button. Item has been added to the cart

## T9 Negative adding to shopping cart

[Edit](#)

Type	Priority	Estimate	References
Functional	Medium	10 minutes	None
Automation Type	None		

### Preconditions

The website what is used is running and products on the website are available before testing.

### Steps

1	Navigate to Merry People website <a href="https://merrypeople.com/">https://merrypeople.com/</a>	Merry People homepage has been opened successfully
2	Click "Shop" category on the left and select option "Shop All" field	Costumer is able to choose categorie
3	Choose any product from "Shop All" category	Product page has been opened with all mandatory information
4	Do not select boots size or color and click "Add To Cart"	Error message appears and customer is not able to add product to the cart

## C8 Shopping cart Item count

[Edit](#) ×

Type	Priority	Estimate	References
Functional	Medium	10 minutes	None
Automation Type	None		

### Preconditions

Chosen product has to be in the cart

### Steps

1	Navigate to the same product page which is already in the cart	Same product as in the cart, product page has been opened with all mandatory information
2	Select size and color	Customer is able to choose size and color
3	Click "Add To Cart" button	The product is added to the cart
4	Verify that the total item count in shopping cart review pop-up window increment	Shopping cart review pop-up window opens and the total item count has been increment

## C11 Shopping cart functionality

[Edit](#) x

Type	Priority	Estimate	References
Functional	Medium	20 minutes	None
Automation Type			
None			

### Preconditions

Products have been added to the cart

### Steps

1	Navigate to main page, click on shopping cart icon(boots) on the right and choose "Checkout"	Customer is able to see checkout page
2	Leave choosed products to the cart and close website for 10 minutes	The site retains items in the cart when site has been closed
3	Come back after 10 minutes and verify that products are still in cart	Customer is able to see items still in the cart

## T18 Adding to shopping cart

[Edit](#)

Type	Priority	Estimate	References
Functional	Medium	15 minutes	None
Automation Type			
None			

### Preconditions

Chosen product has to be in the cart

### Steps

1	Navigate to main page, click on shopping cart icon(boots) on the right	Shopping cart review page has been opened successfully
2	Choose an item from the cart	Customer is able to choose a product
3	To add same item click "+" button	Customer is able to add item from the cart
4	Verify maximum number of products that can be added	In one point customer is not able to add item anymore depending of how many items shop can deliver

#### C4 Remove Items from the cart

[Edit](#) ×

Type	Priority	Estimate	References
Functional	Medium	10 minutes	None
<b>Automation Type</b>			
None			

##### Preconditions

Products have been added to the cart

##### Steps

- Navigate to main page, click on shopping cart icon(boots) on the right

Shopping cart review page has been opened successfully
- Choose an item from the cart

Customer is able to see selected items in the cart
- To remove item click "-" button

Customer is able to remove/delete item from the cart

#### C3 Positive proceed to checkout

[Edit](#) ×

Type	Priority	Estimate	References
Functional	Medium	10 minutes	None
<b>Automation Type</b>			
None			

##### Preconditions

Products have been added to the cart and ready for checkout

##### Steps

- Navigate to main page, click on shopping cart icon(boots) on the right

Shopping cart review page has been opened
- Click "Checkout" button

Customer is able to proceed to checkout successfully
- Verify that checkout form appears

Checkout form with information fields appears



### C9 Negative proceed to checkout

Edit x

Type	Priority	Estimate	References
Functional	Medium	10 minutes	None
Automation Type			
None			

#### Preconditions

Shopping cart is empty

#### Steps

- 1  
Navigate to Merry People website <https://merrypeople.com/>  
Merry People homepage has been opened successfully
- 2  
Click on shopping cart icon(boots) on the right  
Customer is able to see shopping cart review page
- 3  
Proceed to checkout  
Customer is not able to proceed to checkout with empty cart

### C5 Shipping costs

Edit x

Type	Priority	Estimate	References
Functional	Medium	10 minutes	None
Automation Type			
None			

#### Preconditions

Products have been added to the cart and ready for checkout

#### Steps

- 1  
Navigate to main page, click on shopping cart icon and choose "Checkout"  
Shopping cart page with choosed products appears
- 2  
Select "?" icon next to the text "Shipping"  
Shipping policy pop-up window opens up
- 3  
Verify that all shipping options with costs and delivery time are available  
Customer is able to see shipping options with delivery time and costs

## C7 Shopping cart - Taxes

[Edit](#) x

Type	Priority	Estimate	References
Functional	Medium	10 minutes	None
Automation Type			
None			

### Preconditions

Products have been added to the cart and ready for checkout

### Steps

- Navigate to main page, click on shopping cart icon and choose "Checkout"

Customer is able to see shopping cart page
- Select "?" icon next to the text "Shipping"

Shipping policy pop-up window opens up
- Verify that information about taxes is available

A note or information text about taxes is given

## C8 Apply coupons

[Edit](#) x

Type	Priority	Estimate	References
Functional	Medium	10 minutes	None
Automation Type			
None			

### Preconditions

Products have been added to the cart and ready for checkout

### Steps

- Navigate to main page, click on shopping cart icon(boots) and choose "Checkout"

Shopping cart page appears
- Verify that under the shopping cart overview is "Coupons" field for coupons

Customer is able to apply coupons or gift card for the discount

# Founded Issues/Bugs

I decided to use JIRA for the bug report function.

Add epic / FP-2

## User is not choosing boots size or color and should not be able to add item to the cart

Attach Add a child issue Link issue

### Description

User is not choosing size or color and clicks "Add To Cart" button. Website add the product to the cart with automatically given color and size which should not happen.

### STR:

1. Navigate to Merry People website [Merry People | Gumboots · Rain boots · Wellies · Ankle Boots](#)
2. Click "Shop" category on the left and select option "Shop All" field
3. Choose any product from "Shop All" category
4. Do not select boots size or color and click "Add To Cart"

### Expected Result

Error message appears and customer is not able to add product to the cart

### Actual Result

Website add the product to the cart with automatically given color and size.

### Activity

Show: All Comments History

Newest first



Add a comment...

Pro tip: press to comment

Add epic / FP-3

## User is adding items with "+" button and the total item count increments

Attach Add a child issue Link issue

### Description

Maximum number of products that can be added is 1 000 000, but message "Out of stock. Some items are no longer available. Your cart has been updated" appears

### STR:

1. Navigate to main page, click on shopping cart icon(boots) on the right
2. Choose an item from the cart
3. To add same item click "+" button
4. Verify maximum number of products that can be added

### Expected Result

In one point customer is not able to add item anymore depending of how many items shop can deliver

### Actual Result

Maximum number of products is 1 000 000, but items are not available

### Activity

Show: All Comments History

Newest first



Add a comment...

Pro tip: press to comment

1

To Do

Actions

### Pinned fields

Click on the next to a field label to start pinning.

### Details

Assignee Unassigned  
[Assign to me](#)

Labels None

Reporter kiur thomas vehmanen

Created 2 hours ago  
Updated 2 hours ago

Configure

1

To Do

Actions

### Pinned fields

Click on the next to a field label to start pinning.

### Details

Assignee Unassigned  
[Assign to me](#)

Labels None

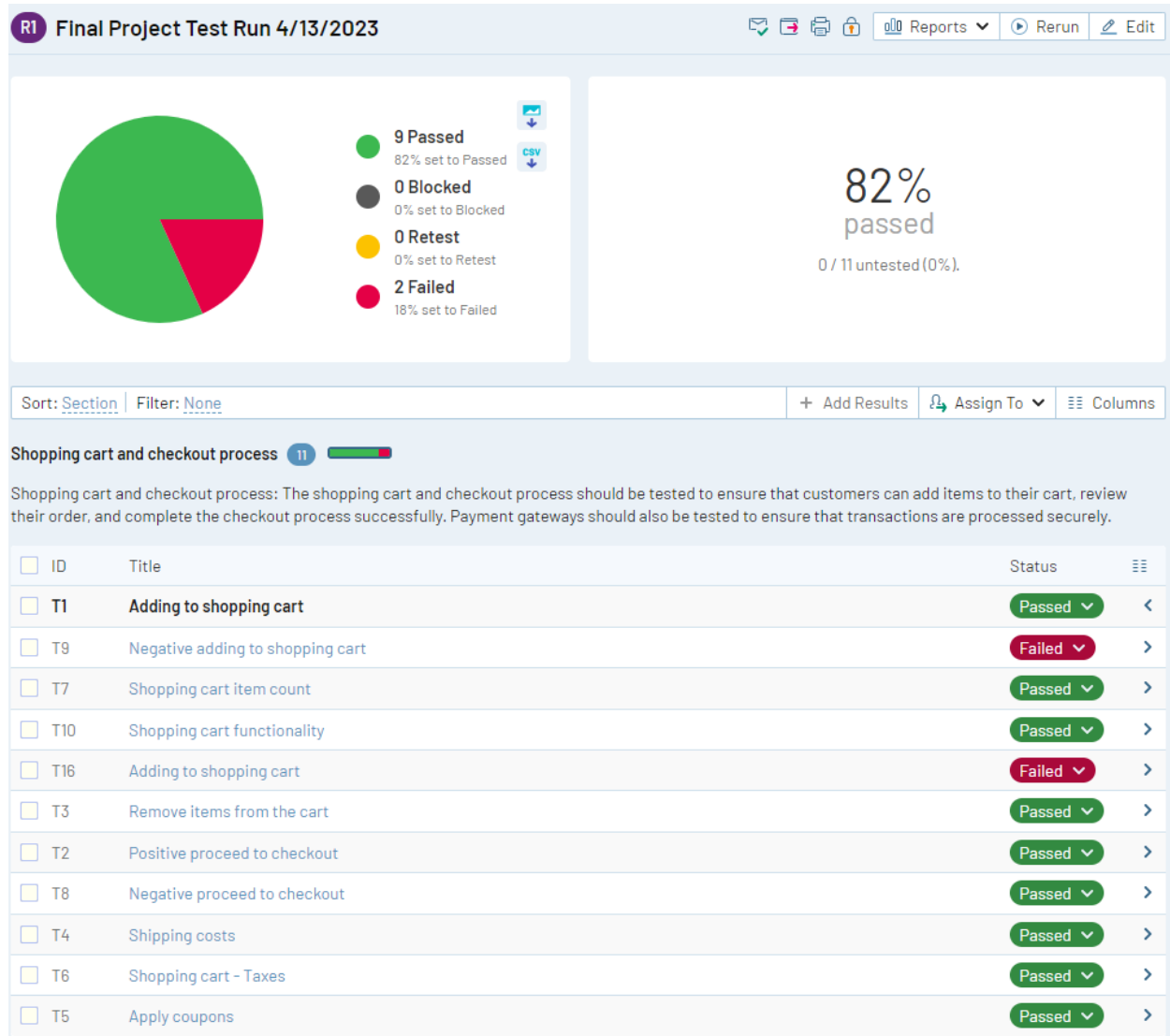
Reporter kiur thomas vehmanen

Created 2 hours ago  
Updated 2 hours ago

Configure

# TestRail

## TestRail case execution and feedback



# Improvements

Only few things were bothering me as a customer. When adding products to the cart I can see review pop-up window, but I cannot see my cart in full screen, in my opinion full screen would be more user-friendly. When I click "Checkout" then I will end up in checkout form page and can not make any changes in cart anymore.

Also that website is giving automatically size and color to chosen product is not necessary and adding same product more times than store can deliver/supply is confusing.

## Test Design Techniques

It's important to use a combination of techniques to ensure that all possible scenarios are covered and that the shopping cart works as expected for all users.

1. Boundary value analysis: This technique involves testing values at the upper and lower limits of the input range. For example, test the maximum number of items that can be added to the cart.
2. Error guessing: This technique involves using my knowledge and experience to guess where errors might occur. For example, entering invalid data into the cart and see how the system responds.
3. Exploratory testing: This technique involves exploring the system and its features to find defects that may not be covered by other techniques. For example, using the shopping cart in different browsers or on different devices to see if there are any compatibility issues.
4. Usability testing: This technique involves testing the ease of use and user-friendliness of the shopping cart. For example, add items to the cart and see if encounter any difficulties or confusion.

## Reflection

Overall, testing of merrypeople.com went well from beginning to end. I encountered no major difficulties during the testing process and were able to complete the project successfully. Focus on developing test cases paid off, as this took up the majority of my time during the testing process.

I found using TestRail and Jira to be straightforward, and was able to utilize these tools effectively throughout the testing process. By using these tools to manage test cases, track progress, and report issues, I was able to stay organized and maintain a clear picture of the testing status throughout the project.