Test Plan

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Location: Fontys University of Applied Sciences

Student: Ovidiu-Andrei Carlan  
[o.carlan@student.fontys.nl](mailto:o.carlan@student.fontys.nl)

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# Introduction

This section of the document attempts to enable testers who have no prior knowledge of the application better grasp the developers' understanding of their product. This makes it possible for both the developers and the client to comprehend the general accessibility of the developed application prior to distribution.

Test cases are crucial for determining whether the program offers a user-friendly GUI and for spotting any flaws before the app is released.

# Test Cases

## UC-01: Create account

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-1a | Creating account with valid data | User is on the web application | First name: Test  Last name: Test  Email: [test@mail.com](mailto:test@mail.com)  Password: test | User gets redirected to Log in page. |
| TC-1b | Creating account with invalid data | User is on the web application | First name: 12345  Last name: 12345  Email:  Test.com  Password: 12345 | User is informed that credentials are invalid. |

## UC-02: Logging in

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-2a | Logging in the web application with correct data | User is on the web app | Email: [test@mail.com](mailto:test@mail.com)  Password: test | User gets redirected to profile page. |
| TC-2b | Logging in the web application with incorrect data | User is on the web app | Email: [fail@mail.com](mailto:fail@mail.com)  Password: fail | User gets notified that data is incorrect |

## UC-03: Adding a new product

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-3a | Add a new product | User is on the desktop app | Product data | User is notified that the new product has been created. |

## UC-04: Remove product

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-4a | Remove product | User is on the Desktop App | - | System notifies user that the product has been removed. |

## UC-05: Edit an existing product

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-5a | Edit an existing product happy flow | User is on the desktop App | New valid product data | User should be able to see the edited product data. |
| TC-5b | Try to edit existing product with invalid product data | User is on the desktop app | Invalid product data | User gets notified that the data is invalid. |

## UC-06: See product information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-6a | See product information | User is on the view product page | - | System displays product information. |

## UC-07: Add product to shopping cart

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-7a | Add product to shopping cart | User has selected size and quantity | Size: 44  Quantity: 1 | Item gets added to the shopping cart and is available to view in the shopping cart page. |
| TC-7b | Add product to the shopping cart with no quantity selected | User is on the product view page | Size: 45  Quantity: 0 | System notifies user that the quantity is not valid. |

## UC-08: View items in the shopping cart

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-8a | View items in the shopping cart | There are items in the shopping cart | - | System display all items in the shopping cart. |
| TC-8b | View item in the shopping cart with no items added | There are no items in the shopping cart | - | System displays a page with the message “There are no items in the shopping cart”. |

## UC-09: Send order

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Pre-Condition | Test Data | Expected Result |
| TC-9a | Send order happy flow | User has items in the shopping cart. | Address data and card data | Order gets sent and user is notified. |
| TC-9b | Try to send order with no items in the shopping cart | User has no items in the shopping cart. |  | System displays a page with the message “no items in the shopping cart”. |
| TC-9c | Try to send order with invalid address information | User has items in the shopping cart. | Invalid address data (example: street: 123, number: test) | System notifies user that the address data is invalid. |
| TC-9d | Try to send order with invalid card information | User has items in the shopping cart. User inputs valid address data. | Valid address data. Invalid card data (example: name: 12345) | System notifies user that the card data is invalid. |