



Project in Computer Science

Test Case Document -V 1.3



Author: Team 4

Supervisor: Ola Petersson, Ioseff
Griffith

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1 Revision History

#	Date	Version	Description	Author
1	2016.04.27.	1.0	1. Test Case Document created	Maxim Kravchenko
2	2016.05.09.	1.1	1. Added Result column in the test status table 2. Customer and admin test cases rewritten	Maxim Kravchenko
3	2016.05.16.	1.2	1. Added "Expected result" row for test cases 2. Changed name of "Initialization" into "Steps" 3. Expanded "Steps" section 4. Placed Pre-conditions before Steps	Maxim Kravchenko
4	2016.05.20.	1.3	1. Merged test cases 12 and 13 into 1 2. Steps are more precise 3. Improved pre-conditions throughout the document 4. Added short descriptions to the addressed requirements 5. Minor changes throughout the document	Maxim Kravchenko

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2 Introduction

The purpose of this document is to describe how the code for the project will be tested. Since there are several functional requirements listed in the analysis document, that specifically describe the desired behaviour of the web pages, the test cases will aim to show that these requirements are fulfilled.

In the analysis document the functional requirements are divided into three categories: general, customer mode, and administrator mode requirements. For the sake of convenience, test cases will also be divided into these three categories with references to the specific requirements for each test case.

3 Customer Mode

Test ID	1
Actors	Customer
Pre-condition	-
Steps	Click on "Products" button
Expected result	List of all products is displayed
Addressed requirements	5 (a) product display

Test ID	2
Actors	Customer
Pre-condition	-
Steps	Click on a category button in the side bar
Expected result	Products of the chosen category are displayed
Addressed requirements	5 (c) product display

Test ID	3
Actors	Customer
Pre-condition	-
Steps	Click on the shopping cart icon next to a product
Expected result	Confirmation message is shown; number on the cart icon in the header has increased
Post-condition	The product is added to the cart
Addressed requirements	7 adding products to cart

Test ID	4
Actors	Customer
Pre-condition	A product with the name X is in store
Steps	<ol style="list-style-type: none">1. Enter the full name of X into the search bar2. Press enter
Expected result	The products with the sought after name are displayed
Addressed requirements	5 (b) product search

Test ID	5
Actors	Customer
Pre-condition	-
Steps	<ol style="list-style-type: none">1. Enter a sequence of characters that belongs to a name of a product into the search bar2. Press enter
Expected result	The products with the sought after sequence of characters are displayed
Addressed requirements	5 (b) product search

Test ID	6
Actors	Customer
Pre-condition	-
Steps	<ol style="list-style-type: none"> 1. Enter a sequence of characters that does not belong to names of any products into the search bar 2. Press enter
Expected result	"No matches" message is displayed
Addressed requirements	5 (b) product search

Test ID	7
Actors	Customer
Pre-condition	-
Steps	<ol style="list-style-type: none"> 1. Enter the "Products" page 2. Click on a product
Expected result	A page with a name, picture, description, price of the chosen product, and "Add to cart" button is displayed
Addressed requirements	6 product information

Test ID	8
Actors	Customer
Pre-condition	-
Steps	<ol style="list-style-type: none"> 1. Click on a product 2. Click on a "Add to Shopping Cart" button
Expected result	Confirmation message is shown
Post-conditions	The product is added to the cart
Addressed requirements	7 adding products to cart

Test ID	9
Actors	Customer
Pre-condition	There are items in the "Shopping Cart"
Steps	Click on a "Shopping Cart" button in the header
Expected result	Shopping Cart contains products that were added by the customer beforehand
Addressed requirements	8 Shopping cart

Test ID	10
Actors	Customer
Pre-condition	The quantity of a product in the Shopping Cart is 1
Steps	Click on "+" or "-" buttons nearby "product quantity" field in the Shopping Cart
Expected result	<ol style="list-style-type: none"> 1. The quantity of the product increases by 1 each time "+" button is pressed 2. The quantity of the product decreases by 1 each time "-" button is pressed
Addressed requirements	9 managing products in the shopping cart

Test ID	11
Actors	Customer
Pre-condition	The product is in the Shopping Cart
Steps	Click on "remove" button nearby a product in the Shopping Cart
Expected result	The product is no longer in the Shopping Cart
Addressed requirements	9 managing products in the shopping cart

Test ID	12
Actors	Customer
Pre-condition	Shopping Cart contains at least 1 product
Steps	<ol style="list-style-type: none"> 1. Go to Shopping Cart 2. Click on "Checkout" button at the bottom 3. Fill in all the personal information fields with appropriate values 4. Press "Place Order" button
Post-conditions	An order with the customer's personal information is stored in the database
Expected result	Customer is given a unique random order number
Addressed requirements	10, 11, 12 placing an order

Test ID	13
Actors	Customer
Pre-condition	The shopping cart contains at least 1 item
Steps	<ol style="list-style-type: none"> 1. Go to shopping cart 2. Press "Checkout" button 3. Fill in some personal information fields, leave one empty 4. Press "Place Order" button
Expected result	Error message is displayed
Addressed requirements	10, 12 placing an order

Test ID	14
Actors	Customer
Pre-condition	An order with the number X is in the database
Steps	Put the order number X in the respective field in the footer
Expected result	The order and its status are shown
Addressed requirements	13 checking status of an order

Test ID	15
Actors	Customer
Pre-condition	-
Steps	Click on the "About" link
Expected result	"About" page is displayed
Addressed requirements	

Test ID	16
Actors	Customer
Pre-condition	-
Steps	Click on the "New Products" link
Expected result	"New Products" page is displayed
Addressed requirements	

Test ID	17
Actors	Customer
Pre-condition	-
Steps	Click on the "Contact" link
Expected result	"Contact" page is displayed
Addressed requirements	

Test ID	18
Actors	Customer
Pre-condition	-
Steps	Click on the "Return Policy" link
Expected result	"Return Policy" page is displayed
Addressed requirements	

4 Administrator Mode

Test ID	19
Actors	Admin
Pre-condition	Database contains an admin account with credentials C
Steps	<ol style="list-style-type: none">1. Enter the Login page2. Enter credentials C3. Press login button
Expected result	The administrative pages are displayed
Addressed requirements	14, 15 admin accounts

Test ID	20
Actors	Admin
Pre-condition	Database contains at least 1 admin account
Steps	<ol style="list-style-type: none">1. Enter the Login page2. Enter incorrect admin credentials3. Press login button
Expected result	Error message is displayed
Addressed requirements	14, 15 admin accounts

Test ID	21
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none">1. Press "Orders" button in the header
Expected result	<ol style="list-style-type: none">1. "Orders" page is displayed2. "Orders" page contains a list of all orders that were placed
Addressed requirements	17 (h) table of orders

Test ID	22
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Orders page" 2. Press "Edit" button next to an order 3. Change the status of the order 4. Press "OK" button
Expected result	Status of the order is changed
Addressed requirements	16 managing orders

Test ID	23
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Products" page 2. Press "Add" button 3. Enter valid values in the specified fields 4. Press "OK" button
Expected result	The new product is added
Addressed requirements	17 (a) adding a product

Test ID	24
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Products" page 2. Press "Add" button 3. Enter invalid values in the specified fields 4. Press "OK" button
Expected result	The error message is displayed
Addressed requirements	17 (a) adding a product

Test ID	25
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Products" page 2. Press "Delete" button on the "Products" page next to a product
Expected result	The product is removed
Addressed requirements	17 (b) removing a product

Test ID	26
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Products" page 2. Press "Edit" button next to a product 3. Enter valid values in the specified fields 4. Press "OK" button
Expected result	Values in the specified fields have changed
Addressed requirements	17 (c) updating a product

Test ID	27
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Products" page 2. Press "Edit" button next to a product 3. Enter invalid values in the specified fields 4. Press "OK" button
Expected result	The error message is displayed
Addressed requirements	17 (c) updating a product

Test ID	28
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Products" page 2. Press "Edit" button next to a product 3. Enter valid value in the quantity field 4. Press "OK" button
Expected result	Quantity of the items has changed
Addressed requirements	17 (d) updating quantity of products

Test ID	29
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Products" page 2. Press "Edit" button next to a product 3. Enter invalid value in the quantity field 4. Press "OK" button
Expected result	The error message is displayed
Addressed requirements	17 (d) updating quantity of products

Test ID	30
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Admin accounts" page 2. Press "Add" button 3. Enter values in the specified fields 4. Press "OK" button
Expected result	The new admin account is added
Addressed requirements	17 (e) adding new admin accounts

Test ID	31
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Admin accounts" page 2. Press "Delete" button next to an admin account 3. Press "OK" button
Expected result	The admin account has been removed
Addressed requirements	17 (f) deleting admin accounts

Test ID	32
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Products" page 2. Search for a full name of a product that is in the database using the search bar
Expected result	The product with the searched name is displayed
Addressed requirements	

Test ID	33
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Products" page 2. Search for a sequence of characters that belongs to a name of a product using the search bar
Expected result	The products containing the same character sequence are displayed
Addressed requirements	

Test ID	34
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Products" page 2. Search for a sequence of characters does not belong to a name of any product using the search bar
Expected results	"No matches" message is displayed
Addressed requirements	

Test ID	35
Actors	Admin
Pre-conditions	<ol style="list-style-type: none"> 1. Admin is logged in 2. An order with number X is in the database
Steps	<ol style="list-style-type: none"> 1. Enter the "Orders" page 2. Search for an Order Number X using the search bar
Expected results	The order with the sought after name is displayed
Addressed requirements	

Test ID	36
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Orders" page 2. Search for an Order Number of an order that is not in the database using the search bar
Expected result	"No matches found" message is displayed
Addressed requirements	

Test ID	37
Actors	Admin
Pre-conditions	<ol style="list-style-type: none"> 1. Admin is logged in 2. An admin account with name X is in the database
Steps	<ol style="list-style-type: none"> 1. Enter the "Admin accounts" page 2. Search for an admin account with name X using the search bar
Expected result	Admin account with the sought after name is displayed
Addressed requirements	

Test ID	38
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Admin accounts" page 2. Search for a sequence of characters that belongs to a name of an admin account using the search bar
Expected result	Admin accounts with the sought after character sequence are displayed
Addressed requirements	

Test ID	39
Actors	Admin
Pre-condition	Admin is logged in
Steps	<ol style="list-style-type: none"> 1. Enter the "Admin accounts" page 2. Search for a sequence of characters that does not belong to a name of any admin account using the search bar
Expected result	"No matches" message is displayed
Addressed requirements	

5 Test Status

Test ID	Date of testing	Name of tester	Result	Comments
1	30.05.2016.	Maxim	Success	
2	30.05.2016.	Maxim	Success	
3	30.05.2016.	Maxim	Success	
4	30.05.2016.	Maxim	Success	
5	30.05.2016.	Maxim	P. success	Works just fine when entering initial character of the name, but if the sequence is taken from the middle, search fails
6	30.05.2016.	Maxim	Success	
7	30.05.2016.	Maxim	Success	
8	30.05.2016.	Maxim	Success	
9	30.05.2016.	Maxim	Success	
10	30.05.2016.	Maxim	Success	
11	30.05.2016.	Maxim	Success	
12	30.05.2016.	Thord	Success	
13	30.05.2016.	Maxim	Success	
14	29.05.2016.	Janty	Success	
15	30.05.2016.	Maxim	Success	
16	30.05.2016.	Maxim	Success	
17	30.05.2016.	Maxim	Success	
18	30.05.2016.	Maxim	Success	
19	30.05.2016.	Maxim	Success	
20	30.05.2016.	Maxim	Success	
21	30.05.2016.	Maxim	Success	
22	30.05.2016.	Maxim	Success	
23	30.05.2016.	Janty	Success	
24	30.05.2016.	Maxim	Success	
25	30.05.2016.	Maxim	Success	
26	30.05.2016.	Maxim	Success	
27	30.05.2016.	Maxim	Success	
28	30.05.2016.	Maxim	Success	
29	30.05.2016.	Maxim	Success	
30	30.05.2016.	Maxim	Success	
31	30.05.2016.	Maxim	Success	
32	30.05.2016.	Maxim	Success	
33	30.05.2016.	Maxim	Success	
34	30.05.2016.	Maxim	Success	
35	30.05.2016.	Maxim	Success	
36	30.05.2016.	Maxim	Success	
37	30.05.2016.	Maxim	Success	
38	30.05.2016.	Maxim	Success	
39	30.05.2016.	Maxim	P. success	"No matches" message is not displayed