**USECASE DESCRIPTION**

1. Search product – UC01

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| Search product | |
| **Title** | **Content** |
| Usecase Name | Browse product |
| ID | UC01 |
| Description | As a user, I want to search or filter products. |
| Actor | Customer, Guest |
| Trigger | User enters a keyword into the search bar or apply filters. |
| Preconditions | - The user’s device was connected to the internet. |
| Postconditions | - A list of products matching the search criteria is displayed to the user. |
| Main Course | 1. User enters a keyword into the search bar or selects advanced filters.  2. User clicks to Search icon or presses “Enter” to the search  3. The system processes the query and retrieves relevant products  4. The system displays the search results to the user. |
| Alternate Course | 3a. No results found:  - The system displays a “No products found” message |
| Exception | 1. Problems on internet connection  2. Lost database connection  - The system redirect user to error page  3. Too many request - The system redirect user to error page |

1. Manage permissions – UC02
   1. View permissions list – UC0.2.1

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| View permissions list | |
| **Title** | **Content** |
| Usecase Name | View permissions list |
| ID | UC02.1 |
| Description | Allow user view the list of permissions in the page. |
| Actor | Admin |
| Trigger | User clicks to permissions in navbar from the system interface. |
| Preconditions | - The user’s device was connected to the internet.  - The user’s account is logged in. - The user’s account has permission. |
| Postconditions | - A list of permissions is displayed to the user. |
| Main Course | 1. User accesses the permissions page via the homepage administration of the website.  2. System navigates user to the permissions management page.  3. The system get permissions list in the database.  4. The system displays list permissions for the user. |
| Alternate Course | 3a. No results found:  - The system displays a “No products found” message |
| Exception | 1. Problems on internet connection  2. Lost database connection  - The system redirect user to error page 3. Too many request - The system redirect user to error page |

* 1. Update permission – UC02.2

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| Update permission | |
| **Title** | **Content** |
| Usecase Name | Update permission |
| ID | UC02.2 |
| Description | Allow user update info permission. |
| Actor | Admin |
| Trigger | User clicks to “Edit” in the specific permission on the permissions list. |
| Preconditions | - The user’s device was connected to the internet.  - The user’s account is logged in. - The user’s account has permission. |
| Postconditions | - The updated permission is successfully saved in the database. |
| Main Course | 1. User accesses the edit permission page via click to “Edit” in specific permission  2. The system displays the current permissions  2. User modifies the information of the permission  3. User submits the changes  4. The system validates user input and update the permission in the database  5. A success message is displayed to the user |
| Alternate Course | 4a. Invalid user input:  - The system displays an error message to user |
| Exception | 1. Problems on internet connection  2. Lost database connection  - The system redirect user to error page 3. Too many request - The system redirect user to error page |

1. Manage roles – UC03
2. View details product – UC04
3. Manage users – UC05
4. Register – UC06
5. Manage payments – UC07
6. Add to cart – UC08
7. Payment – UC09
8. Statistics – UC10
9. View order history – UC11
10. Manage products – UC12
11. Review product – UC13
12. Manage orders – UC14
13. Edit information – UC15
14. Manage vouchers – UC16
15. Add voucher – UC17
16. Manage categories – UC18
17. Manage shipping addresses – UC19
18. Manage reviews / feedbacks – UC20
19. Login – UC21

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| Login | |
| **Title** | **Content** |
| Usecase Name | Login |
| ID | UC021 |
| Description | Allow user access to the system or to user’s account |
| Actor | Admin, Seller, Customer |
| Trigger | User clicks to “Edit” in the specific permission on the permissions list. |
| Preconditions | - The user’s device was connected to the internet.  - The user must have a registered account in the system |
| Postconditions | - If is customer, system redirects to their account or to previous page the user wanted to access  - If is admin or seller, system redirects to dashboard page |
| Main Course | 1. User access to login page  2. User select options to login  2. User enters their account (e.g., email and password)  3. User clicks the “Login” button  4. System authenticates the credentials 5. Credentials are valid, the user is authenticated  6. System redirects the user according to their role |
| Alternate Course | 5a. Invalid Credentials:  - The system displays an error message to user  5b. The user’s account is not verified - The system redirects user to verify page  - The system send otp code to user’s email  - User go into their email to get otp code and enters code in page  - System validates the otp code  - If otp valid, go back to step 6. If not system displays an error message |
| Exception | 1. Problems on internet connection  2. Lost database connection  - The system redirect user to error page 3. Too many request - The system redirect user to error page |

1. Change password – UC22
2. Forget password – UC23