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| ID and name | UC1: Login | |
| Primary actor | Sales Agent or Manager |
| Trigger | The user clicks the login button. | |
| Preconditions | - | |
| Postconditions | POST1: The user is logged in to the system. | |
| Normal flow | 1. **Login** 2. The system displays the login form and prompts the user for username and password. 3. The user inserts his username and password and clicks the login button. 4. The system displays the main window for the logged in actor (UC2). | |
| Alternative flows | **1.1 Login as manager**  1. The user cicks the login as manager button.  2. Continue with step 2 of normal flow. | |
| Exceptions | **1.0.E1 Invalid credentials**   1. The system informs the user that there is no match in the database for the entered credentials by displaying the „Invalid credentials!” error message. 2. The system restarts the use case. | |

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| ID and name | UC2: View products | |
| Primary actor | Sales Agent |
| Trigger | The user has logged in. | |
| Preconditions | PRE1: The user is logged in to the system as sales agent. | |
| Postconditions | - | |
| Normal flow | **2.0 View products**   1. The system displays all available products, as well as their price and quantities. | |
| Alternative flows | - | |
| Exceptions | - | |

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| ID and name | UC3: Order product | |
| Primary actor | Sales Agent |
| Trigger | The user clicks the order product button. | |
| Preconditions | PRE1: The user is logged in to the system as sales agent.  PRE2: The user has selected a product. | |
| Postconditions | POST1: The product order has been placed.  POST2: The product quantity has been updated accordingly.  POST3: All the other users who are logged in the systems see the changes to the product quantity. | |
| Normal flow | 1. **Order product** 2. The system displays the products with their price and available quantity. 3. The user selects a product, enters the quantity, and clicks the add to order button. 4. The system places the product in a list containing the current order. 5. The user clicks the order button. 6. The system confirms the order, stores it in the database with the user’s address and the “placed” status and updates the view for all the other users who are logged in. | |
| Alternative flows | **3.1 Search and order product**   1. The user first searches for the product (UC4). 2. Continue with step 2 of normal flow.   **3.2 Order multiple products.**   1. The user selects and adds to the order list multiple products alongside the requested quantities. 2. Continue with step 4 of normal flow. | |
| Exceptions | **3.0.E1 Insufficient product quantity**   1. The system informs the user that the requested quantity is higher than the stock quantity by showing the “Insufficient quantity!” error message. 2. If the user modifies the order quantity, then return to step 2 of normal flow.     **3.0.E2 Invalid requested quantity**   1. The system informs the user that the requested quantity is invalid by showing the “Invalid required quantity value!”. 2. If the user modifies the order quantity, then return to step 2 of normal flow.   **3.1.E1 Product not found**  1. The system informs the user that the searched product has not been found by showing the “No products found!” message.  2. The system restarts the use case. | |

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| ID and name | UC4: Search product by name | |
| Primary actor | Sales Agent or Manager |
| Trigger | The user searches for a product by entering its name. | |
| Preconditions | PRE1: The user is logged in to the system. | |
| Postconditions | POST1: The searched product is displayed. | |
| Normal flow | 1. **Search product by name** 2. The user enters a product name. 3. The system updates its view and shows the user the searched product. | |
| Alternative flows | - | |
| Exceptions | **4.0.E1 Product not found**   1. The system informs the user that the product has not been found by showing the “Product not found!” error message. 2. If the user re-enters a product, then return to step 2 of normal flow. | |

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| ID and name | UC5: Manage products | |
| Primary actor | Manager |
| Trigger | The user has logged in. | |
| Preconditions | PRE1: The user is logged in to the system as manager. | |
| Postconditions | - | |
| Normal flow | **5.0 Manage products**   1. The system displays to the manager all available products, as well as their price and quantities. 2. The system allows the user to manage the products (UC6, UC7). | |
| Alternative flows | - | |
| Exceptions | - | |

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| ID and name | UC6: Update product | |
| Primary actor | Manager |
| Trigger | The user clicks the update product button. | |
| Preconditions | PRE1: The user is logged in to the system as manager.  PRE2: The user has selected a product. | |
| Postconditions | POST1: The product has been updated.  POST2: All the other users who are logged in the systems see the changes to the product. | |
| Normal flow | **6.0 Update product**   1. The user clicks the update button. 2. The system opens the update product window and prompts the user for the data about the new product. 3. The user enters the new data and confirms the update by showing the “Product updated!” message. 4. The system updates the product entry in the database and updates the view for all the other users who are logged in. | |
| Alternative flows | **6.1 Search and update product**   1. The user first searches for the product (UC4). 2. Continue with step 1 of normal flow. | |
| Exceptions | **6.0.E1 Invalid product data**   1. The system informs the user that the entered new data for the product is invalid, by showing the “Invalid product data!” error message. 2. If the user enters new data, return to step 3 of normal flow.   **6.1.E1 Product not found**   1. The system informs the user that the searched product has not been found by showing the “No products found!” message. 2. The system restarts the use case. | |

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| ID and name | UC7: Add product | |
| Primary actor | Manager |
| Trigger | The user clicks the add new product button. | |
| Preconditions | PRE1: The user is logged in the system as manager. | |
| Postconditions | POST1: The new product has been added.  POST2: All the other users who are logged in the systems see the new product. | |
| Normal flow | 1. **Add product** 2. The user clicks the add new product button. 3. The system opens the add window and prompts the user for data about the new product. 4. The user enters the product data and confirms the operation by showing the “Product added!” message. 5. The system adds the new product to the database and updates the view for all the other users who are logged in. | |
| Alternative flows | - | |
| Exceptions | **7.0.E1 Invalid product data**   1. The system informs the user that the entered data for the new product is invalid, by showing the “Invalid product data!” error message. 2. If the user enters new data, return to step 3 of normal flow.   **7.0.E2 Product already exists**  1. The system informs the user that the product already exists in the database by showing the “Product already exists!” error message.  2. If the user enters new data, return to step 3 of normal flow. | |