**FINAL PROJECT**

**USE CASE DESCRIPTION**

*Version*: **1.0**

*Written By:* **Project Manger**

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USE CASE 1 – LOGIN

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Login | **Last Updated By** | Project Manager |
| **Description** | A distributor staff or an agent can login to the proper application. | | |
| **Actors** | Accountant, Agent | | |
| **Preconditions** | 1. The software connected to the server successfully. 2. If the user is an accountant, he/she has a valid staff account. 3. If the users are agents, they have a valid account created by staff. 4. The network is stable. | | |
| **Postconditions** | User logins successfully to the proper application. | | |
| **Basic Flow** | 1. Open software. 2. Enter user ID and password. 3. Submit the login form. 4. End use case. | | |
| **Alternative Flows** | 1a. If the user is an accountant, they open software for staff only.  1b. If the users are agents, they open software for agent. | | |
| **Exceptions** | 1. The user ID and/or password is incorrect. 2. The user ID is invalid. 3. Agent do not have account to login. | | |
| **Requirements** | The response time must be 0 to 50 milliseconds. | | |

USE CASE 2 – CREATE GOODS RECEIVED

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Create Goods Received | **Last Updated By** | Project Manager |
| **Description** | Accountant creates goods received when distributor has new goods imported to the stock. | | |
| **Actors** | Accountant | | |
| **Preconditions** | 1. The software connected to the server successfully. 2. The network is stable. 3. Accountant logged in successfully. | | |
| **Postconditions** | A warehouse receipt is created and new changes is updated to the database successfully. | | |
| **Basic Flow** | 1. Choose specialized button to create goods received. 2. Enter information of needed items. 3. Submit the form to update data. 4. Print warehouse receipt. 5. End use case. | | |
| **Alternative Flows** | None. | | |
| **Exceptions** | The form is not fullfiled when is submitted. | | |
| **Requirements** | The response time must be 0 to 50 milliseconds. | | |

USE CASE 3 – CREATE DELIVERY NOTE

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Create Delivery Note | **Last Updated By** | Project Manager |
| **Description** | Accountant create delivery note when goods are packaged to deliver to agents. | | |
| **Actors** | Accountant | | |
| **Preconditions** | 1. The software connected to the server successfully. 2. The network is stable. 3. Accountant logged in successfully. 4. The goods order exists in the database. | | |
| **Postconditions** | 1. The information of goods delivery is exported. 2. The delivery slip is created. | | |
| **Basic Flow** | 1. Choose specialized button to create goods delivery note. 2. Choose order need to be deliveried. 3. Submit the form to get goods delivery note data. 4. Print delivery receipt. 5. End use case. | | |
| **Alternative Flows** | None. | | |
| **Exceptions** | The information of needed order does not exists. | | |
| **Requirements** | The response time must be 0 to 50 milliseconds. | | |

USE CASE 4 – UPDATE ORDER STATUS

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Update Order Status | **Last Updated By** | Project Manager |
| **Description** | Accountant updates the order status as being transferred when that package is on the way to deliver. | | |
| **Actors** | Accountant | | |
| **Preconditions** | 1. The software connected to the server successfully. 2. The network is stable. 3. Accountant logged in successfully. 4. The goods order exists in the database. | | |
| **Postconditions** | The status of order is updated successfully as being transferred. | | |
| **Basic Flow** | 1. Choose specialized button to update order status. 2. Update its status. 3. Agree with new update. 4. End use case. | | |
| **Alternative Flows** | 1a. Accountant can access to update function after delivery slip created successfully. | | |
| **Exceptions** | The needed order does not exist. | | |
| **Requirements** | The response time must be 0 to 50 milliseconds. | | |

USE CASE 5 – UPDATE PAYMENT STATUS

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Update Payment Status | **Last Updated By** | Project Manager |
| **Description** | Accountant updates the status of payment of agents when they pay the total bill. | | |
| **Actors** | Accountant | | |
| **Preconditions** | 1. The software connected to the server successfully. 2. The network is stable. 3. Accountant logged in successfully. 4. The goods order exists in the database. 5. Bill must be verified to be paid or not by the authorized staff of the distributor. | | |
| **Postconditions** | The payment status of agents is updated successfully. | | |
| **Basic Flow** | 1. Choose specialized button to update payment status. 2. Update its status. 3. Agree with new update. 4. End use case. | | |
| **Alternative Flows** | None. | | |
| **Exceptions** | 1. The information of agent does not exist. | | |
| **Requirements** | The response time must be 0 to 50 milliseconds. | | |

USE CASE 6 – VIEW ANALYSIS REPORT

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | View Analysis Report | **Last Updated By** | Project Manager |
| **Description** | Accountant views incoming/outgoing stock report, best-selling products, and revenue report monthly. | | |
| **Actors** | Accountant | | |
| **Preconditions** | 1. The software connected to the server successfully. 2. The network is stable. 3. Accountant logged in successfully. | | |
| **Postconditions** | Type of report chosen is shown on the screen and can be exported to PDF file. | | |
| **Basic Flow** | 1. Choose specialized button to view report. 2. Choose kind of report. 3. End use case. | | |
| **Alternative Flows** | 3a1. Export report to PDF file.  3a2. End use case. | | |
| **Exceptions** | Report is returned or exported to PDF file unsuccessfully. | | |
| **Requirements** | The response time must be 0 to 50 milliseconds. | | |

USE CASE 7 – CREATE AGENT ACCOUNT

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Create Agent Account | **Last Updated By** | Project Manager |
| **Description** | Accountant creates an agent account. | | |
| **Actors** | Accountant | | |
| **Preconditions** | 1. The software connected to the server successfully. 2. The network is stable. 3. Accountant logged in successfully. | | |
| **Postconditions** | An agent account is created successfully. | | |
| **Basic Flow** | 1. Choose specialized button to create agent account. 2. Enter agent information. 3. Submit form to create account. 4. Get agent ID. 5. End use case. | | |
| **Alternative Flows** | None. | | |
| **Exceptions** | 1. Agent exists in the database.  2. Information of agent is invalid. | | |
| **Requirements** | The response time must be 0 to 50 milliseconds. | | |

USE CASE 8 – PLACE ORDER

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Place order | **Last Updated By** | Project Manager |
| **Description** | Agent places an order of products. | | |
| **Actors** | Agent | | |
| **Preconditions** | 1. The software connected to the server successfully. 2. The network is stable. 3. Agent has a valid account created by the distributor’s staff. 4. Agent logged in successfully. | | |
| **Postconditions** | 1. The “Choose items” use case is processed successfully. 2. The “Select payment method” use case is processed successfully. 3. Order is placed successfully. | | |
| **Basic Flow** | 1. Choose specialized button to place an order. 2. Choose needed items. 3. Select payment method. 4. Submit the form the place order. 5. End use case. | | |
| **Alternative Flows** | 3a1. Select Cash payment.  3a2. The “Select Cash Payment” is processed.  3b1. Select Online payment.  3b2. The “Select Online Payment” is processed. | | |
| **Exceptions** | 1. The item may be out of stock. 2. The payment method is not available. 3. The payment is processed unsuccessfully. | | |
| **Requirements** | The response time must be 0 to 50 milliseconds. | | |

USE CASE 9 – CHOOSE ITEMS

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Choose Items | **Last Updated By** | Project Manager |
| **Description** | Agent chooses needed items to order. | | |
| **Actors** | Agent | | |
| **Preconditions** | 1. The software connected to the server successfully. 2. The network is stable. 3. Agent has a valid account created by the distributor’s staff. 4. Agent logged in successfully. | | |
| **Postconditions** | Agents chooses proper items to order successfully. | | |
| **Basic Flow** | 1. Search or surf the product list to find product. 2. Choose quantity 3. Add item to cart. 4. End use case. | | |
| **Alternative Flows** | None. | | |
| **Exceptions** | 1. The item may be out of stock. 2. The server is in busy traffic to access. | | |
| **Requirements** | The response time must be 0 to 50 milliseconds. | | |

USE CASE 10 – SELECT CASH PAYMENT

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Select Cash Payment | **Last Updated By** | Project Manager |
| **Description** | Agent selects Cash payment to pay the bill of order. | | |
| **Actors** | Agent | | |
| **Preconditions** | 1. The software connected to the server successfully. 2. The network is stable. 3. Agent has a valid account created by the distributor’s staff. 4. Agent logged in successfully. | | |
| **Postconditions** | 1. The transaction information is saved in the server. 2. The payment status of agent is set “Payment waiting”. | | |
| **Basic Flow** | 1. Select Cash payment option. 2. End use case. | | |
| **Alternative Flows** | None. | | |
| **Exceptions** | Agent cancels this transaction. | | |
| **Requirements** | The response time must be 0 to 50 milliseconds. | | |

USE CASE 11 – SELECT ONLINE PAYMENT

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | Select Online Payment | **Last Updated By** | Project Manager |
| **Description** | Agent selects Online payment to pay the bill of order. | | |
| **Actors** | Agent | | |
| **Preconditions** | 1. The software connected to the server successfully. 2. The network is stable. 3. Agent has a valid account created by the distributor’s staff. 4. Agent logged in successfully. 5. Agent has a bank/digital wallet account. 6. Agent has already installed an interet banking or a digital wallet app. 7. Agent’s digital wallet or bank account has enough balance and has already connected with a bank card/acocunt. | | |
| **Postconditions** | 1. The digital wallet account or banking acocunt is charged. 2. The transaction information is saved in the system. 3. The payment status of agent is set “Payment waiting”. | | |
| **Basic Flow** | 1. Select Online payment option. 2. Scan QR Code with supported digital wallet app or internet banking app. 3. Select account to be charged. 4. Approve this payment on the digital wallet app or interner banking app. 5. End use case. | | |
| **Alternative Flows** | None. | | |
| **Exceptions** | 1. The digital wallet or internet banking is unavailable. 2. The digital wallet or internert banking has no balance. 3. Agent denies this payment transaction. | | |
| **Requirements** | The response time must be 0 to 50 milliseconds. | | |

USE CASE 12 – VIEW ORDER STATUS

|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case Name** | View Order Status | **Last Updated By** | Project Manager |
| **Description** | Accountant views the status of orders. | | |
| **Actors** | Agent | | |
| **Preconditions** | 1. The software connected to the server successfully. 2. The network is stable. 3. Agent has a valid account, or an agent ID created by the distributor’s staff. 4. Agent needs to login or has an agent ID to view status. 5. Agent has already placed an order. | | |
| **Postconditions** | The status of orders are shown on the screen. | | |
| **Basic Flow** | 1. Choose specialized button to view status. 2. End use case. | | |
| **Alternative Flows** | 1a. Enter agent ID. | | |
| **Exceptions** | 1. Agent ID is invalid. 2. The server is not responsed. | | |
| **Requirements** | The response time must be 0 to 50 milliseconds. | | |