**Admin use case scenarios**

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| **Use Case name: Administrator Login** | **Unique ID: Handmade\_001** |
| **Area: Authentication and Authorization** | |
| **Actors: System Administrator, E-commerce Backend System, Authentication Server** | |
| **Stakeholders: System Administrator, Business Owners, Security Team** | |
| **Level: Blue** | |
| **Description: Allow a system administrator to log in to the e-commerce platform's administration panel securely** | |
| **Triggering event: The system administrator accesses the login page for the admin panel** | |
| **Trigger Type: External** | |
| **Steps performed:** | **Information for steps:** |
| **Step1: Administrator navigates to login page.** | **URL for admin panel login page.** |
| **Step2: Administrator enters username/password.** | **Administrator credentials.** |
| **Step3: Submits the login form.** | **Form submission event.** |
| **Step4: System validates credentials.** | **Validation against user database.** |
| **Step5: Administrator is redirected to the admin dashboard.** | **Dashboard URL and session token.** |
| **Extensions (Alternative Flow):in case of Invalid Credentials The system displays an error message: "Invalid username password." Administrator retries login or clicks "Forgot Password."** | |
| **Preconditions: Administrator account exists and is active. The login page is accessible.The authentication server is operational.** | |
| **Postconditions: Success: Administrator is logged in and redirected to the admin dashboard** | |
| **Success Guarantee: The administrator securely accesses the admin panel** | |
| **Minimum Guarantee: in case of failure the administrator receives a descriptive error message.** | |
| **Priority: High** | |
| **Risk: Authentication server failure could prevent login** | |

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| **Use Case name: Administrator Manage products, orders and accounts.** | **Unique ID: Handmade\_002** |
| **Area: Product and Order and accounts Management** | |
| **Actors: System Administrator, Products & accounts Database, Order Management System.** | |
| **Stakeholders: System Administrator, Business Owners, Customers** | |
| **Level: Blue** | |
| **Description: Allow administrator to manage the e-commerce system by updating product details and processing customer orders and manage accounts.** | |
| **Triggering event: The administrator selects the "Manage Products” or “Manage Orders" or “Manage Accounts”option in the admin panel.** | |
| **Trigger Type: External** | |
| **Steps performed:** | **Information for steps:** |
| **Step1: Administrator logs into the admin panel.** | **Login credentials** |
| **Step2: Selects "Manage Products" from the dashboard.** | **Product data from the database.** |
| **Step3: Edits a product data** | **Product ID, updated details** |
| **Step4: Selects "Manage Orders" from the dashboard.** | **Order data from the database.** |
| **Step5: Updates an order status** | **Order ID, new status.** |
| **Step6: Selects "Manage Accounts" from the dashboard.** | **Account ID.** |
| **Step7: Manage accounts like giving permissions & access control.** | **Account ID, updated accounts details.** |
| **Step8: Confirms changes and exits the management view** | **product and order and accounts updates.** |
| **Extensions (Alternative Flow): If Administrator enters invalid data System displays an error message: "Invalid input. Please correct the details."** | |
| **Preconditions: The administrator has logged into the admin panel. Product and order and account data is accessible in the database.** | |
| **Postconditions: Updated product details are saved and reflected on the website. Updated order statuses are logged and reflected in the system. Updated accounts details are saved in the database and reflected in the system.** | |
| **Success Guarantee: The system ensures that all updates to products and orders are correctly processed, saved, and reflected in the systems** | |
| **Minimum Guarantee: Product and order data remain unchanged in case of failure.** | |
| **Priority: High** | |
| **Risk: Improper handling of updates could corrupt product or order data.** | |

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| **Use Case name: oversees payments & purchases & discounts processes.** | **Unique ID: Handmade\_003** |
| **Area: Administration Management System** | |
| **Actors:** **System Admin** | |
| **Stakeholders:** **System Admin, Clients, Seller, Finance and Product Teams.** | |
| **Level:** **Red** | |
| **Description: system administrator oversees and manages the payment, purchase, and discount processes. The system admin ensures that payments are properly processed, purchases are tracked, and discounts are correctly applied to orders.** | |
| **Triggering event:** **The admin logs into the backend system** | |
| **Trigger Type:** **External** | |
| **Steps performed:** | **Information for steps:** |
| **Step1: Admin logs into the admin dashboard of the system.** | **Admin credentials** |
| **Step2: Admin navigates to the payment processing section** | **payment methods & status, transaction status & amount.** |
| **Step3:** **Admin reviews payment statuses and identifies any issues** | **payment methods & status, transaction status & amount.** |
| **Step4: Admin oversees purchase activities.** | **Purchased item details (ID, Customer ID, Quantity, Shipping status and so on)** |
| **Step5:** **Admin checks the applied discounts by Sellers.** | **discount codes, The percentage or value of discount** |
| **Step6:** **Admin intervenes in cases of issues** |  |
| **Step7:** **Admin generates reports on payments, purchases, and discounts** |  |
| **Extensions (Alternative Flow):** **If a discount is incorrectly applied, the admin can manually adjust the order, remove the discount, or apply the correct one.** | |
| **Preconditions: The admin has the credentials to access the system, The payment, purchase, and discount systems are functioning and integrated properly, if a payment fails, the admin can manually intervene by either retrying the payment or contacting the payment processor.** | |
| **Postconditions:** **Reports are generated and available for review, The system is updated with any changes made by the admin** | |
| **Success Guarantee:** **The payment, purchase, and discount processes are operating smoothly, and any issues identified by the admin are resolved** | |
| **Minimum Guarantee: if the admin does not resolve every issue, the system captures the remaining issues, and the admin is informed about which tasks require more attention and work on it.** | |
| **Priority:** **High** | |
| **Risk:** **System errors may prevent payments from being processed, purchases from being tracked, or discounts from being applied correctly, improper intervention by the admin could result in financial errors, unauthorized payments, or incorrect application of discounts.** | |

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| **Use Case name:** | **Unique ID: Handmade\_004** |
| **Area:** | |
| **Actors:** | |
| **Stakeholders:** | |
| **Level:** | |
| **Description:** | |
| **Triggering event:** | |
| **Trigger Type:** | |
| **Steps performed:** | **Information for steps:** |
| **Step1:** |  |
| **Step2:** |  |
| **Step3:** |  |
| **Step4:** |  |
| **Step5:** |  |
| **Step6:** |  |
| **Step7:** |  |
| **Extensions (Alternative Flow):** | |
| **Preconditions:** | |
| **Postconditions:** | |
| **Assumptions:** | |
| **Success Guarantee:** | |
| **Minimum Guarantee:** | |
| **Priority:** | |
| **Risk:** | |

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| **Use Case name:** | **Unique ID: Handmade\_005** |
| **Area:** | |
| **Actors:** | |
| **Stakeholders:** | |
| **Level:** | |
| **Description:** | |
| **Triggering event:** | |
| **Trigger Type:** | |
| **Steps performed:** | **Information for steps:** |
| **Step1:** |  |
| **Step2:** |  |
| **Step3:** |  |
| **Step4:** |  |
| **Step5:** |  |
| **Step6:** |  |
| **Step7:** |  |
| **Extensions (Alternative Flow):** | |
| **Preconditions:** | |
| **Postconditions:** | |
| **Assumptions:** | |
| **Success Guarantee:** | |
| **Minimum Guarantee:** | |
| **Priority:** | |
| **Risk:** | |

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| **Use Case name:** | **Unique ID: Handmade\_006** |
| **Area:** | |
| **Actors:** | |
| **Stakeholders:** | |
| **Level:** | |
| **Description:** | |
| **Triggering event:** | |
| **Trigger Type:** | |
| **Steps performed:** | **Information for steps:** |
| **Step1:** |  |
| **Step2:** |  |
| **Step3:** |  |
| **Step4:** |  |
| **Step5:** |  |
| **Step6:** |  |
| **Step7:** |  |
| **Extensions (Alternative Flow):** | |
| **Preconditions:** | |
| **Postconditions:** | |
| **Assumptions:** | |
| **Success Guarantee:** | |
| **Minimum Guarantee:** | |
| **Priority:** | |
| **Risk:** | |

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| **Use Case name:** | **Unique ID: Handmade\_007** |
| **Area:** | |
| **Actors:** | |
| **Stakeholders:** | |
| **Level:** | |
| **Description:** | |
| **Triggering event:** | |
| **Trigger Type:** | |
| **Steps performed:** | **Information for steps:** |
| **Step1:** |  |
| **Step2:** |  |
| **Step3:** |  |
| **Step4:** |  |
| **Step5:** |  |
| **Step6:** |  |
| **Step7:** |  |
| **Extensions (Alternative Flow):** | |
| **Preconditions:** | |
| **Postconditions:** | |
| **Assumptions:** | |
| **Success Guarantee:** | |
| **Minimum Guarantee:** | |
| **Priority:** | |
| **Risk:** | |