# Use case documentation

## UC-01

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| Use Case Number | UC-01 |
| Use Case Name | Add Customer |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Input from bookshop staff, existing customer database. |
| Associated User Interfaces | Staff login; Manage customer section; Customer information form; Confirmation/Error message display. |
| Pre-Conditions | The staff member is logged into the system. |
| Post-Conditions | The new customer is accurately recorded in the system. |
| Detailed Description | Bookshop staff login, navigate to manage customer section, fill customer information, enter details, system validation, confirm customer. |
| Alternate Course(s) | Error message if validation fails; Error correction prompt before adding customer again. |

## UC-02

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| Use Case Number | UC-02 |
| Use Case Name | Update Customer |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Input from bookshop staff, existing customer database. |
| Associated User Interfaces | Staff login; Manage customer section; Customer information form; Confirmation/Error message display. |
| Pre-Conditions | The staff member is logged into the system. |
| Post-Conditions | The customer details are accurately updated in the system. |
| Detailed Description | Bookshop staff login, navigate to manage customer section, navigate to existing customer list, update details, system validation. |
| Alternate Course(s) | Error message if validation fails; Error correction prompt before updating customer again. |

## UC-03

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| --- | --- |
| Use Case Number | UC-03 |
| Use Case Name | Delete Customer |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Input from bookshop staff, existing customer database. |
| Associated User Interfaces | Staff login; Manage customer section; Customer information form; Confirmation/Error message display. |
| Pre-Conditions | The staff member is logged into the system. |
| Post-Conditions | The customer is no longer present in the system. |
| Detailed Description | Bookshop staff login, navigate to manage customer section, navigate to existing customer list, confirm deletion, system validation. |
| Alternate Course(s) | Staff cancels deletion during confirmation, system retains customer details. |

## UC-04

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| --- | --- |
| Use Case Number | UC-04 |
| Use Case Name | Review Order Details |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Database containing order information about books. |
| Associated User Interfaces | Process book order section; List of pending order section, Order information display. |
| Pre-Conditions | The staff is viewing list of pending orders. |
| Post-Conditions | The staff can review details of the specific order. |
| Detailed Description | Staff logs in, selects “Process Book Orders”, views pending orders, system displays clear, detailed information. |
| Alternate Course(s) | Integration with external shipping and tracking systems for getting real-time details about order. |

## UC-05

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| --- | --- |
| Use Case Number | UC-05 |
| Use Case Name | Display Pending Orders |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Database containing order information about books. |
| Associated User Interfaces | Process book order section; List of pending order section, Order information display. |
| Pre-Conditions | The staff is logged into the system. |
| Post-Conditions | The staff can look at pending book orders. |
| Detailed Description | Staff logs in, selects “Process Book Orders”, views pending orders, system displays clear, detailed information. |
| Alternate Course(s) | Order status and details can be cross-referenced with external suppliers’ database. |

## UC-06

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| --- | --- |
| Use Case Number | UC-06 |
| Use Case Name | Process Individual Order |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Database containing order information about books. |
| Associated User Interfaces | Process book order section; List of pending order section, Order information display. |
| Pre-Conditions | The staff is reviewing the details of the specific order. |
| Post-Conditions | Order status is updated along with relevant details. |
| Detailed Description | Staff processes order, updates status, input shipping details (if required). |
| Alternate Course(s) | Integration with third party system for automated tracking and status updates. |

## UC-07

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| --- | --- |
| Use Case Number | UC-07 |
| Use Case Name | Adjust Inventory |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Inventory database. |
| Associated User Interfaces | Process book order section; Inventory status display |
| Pre-Conditions | The staff has processed one or more book orders. |
| Post-Conditions | Inventory is updated with processed book orders. |
| Detailed Description | System adjusts inventory after order processing, staff views updated status. |
| Alternate Course(s) | Integration with supplier database for update on orders and deliveries. |

## UC-08

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| --- | --- |
| Use Case Number | UC-08 |
| Use Case Name | Retrieve Processed Orders |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Orders database. |
| Associated User Interfaces | Invoice generation section; List of processed orders |
| Pre-Conditions | The staff has processed one or more book orders. |
| Post-Conditions | Inventory is updated with processed book orders. |
| Detailed Description | System selects invoice generation; system displays processed orders for invoice creation. |
| Alternate Course(s) | If no processed orders are found, system provides a message and prompts staff to check. |

## UC-09

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| --- | --- |
| Use Case Number | UC-09 |
| Use Case Name | Verify Order Details |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Orders database. |
| Associated User Interfaces | Order information display. |
| Pre-Conditions | The staff is viewing the list of processed orders. |
| Post-Conditions | Staff has confirmed the accuracy of selected orders. |
| Detailed Description | System reviews order details before generating invoices. |
| Alternate Course(s) | In case of discrepancies, prompt generated by system before proceeding for invoice generation. |

## UC-10

|  |  |
| --- | --- |
| Use Case Number | UC-10 |
| Use Case Name | Generate invoices. |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Orders database, Price database |
| Associated User Interfaces | Invoice generation section; form for order selection and invoice generation. |
| Pre-Conditions | Staff has verified selected order details. |
| Post-Conditions | Invoice generated and ready for recording. |
| Detailed Description | System reviews order details before generating invoices. |
| Alternate Course(s) | In case of failed invoice generation, system prompts to retry. |

## UC-11

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| --- | --- |
| Use Case Number | UC-11 |
| Use Case Name | Update Accounting Information |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Invoice and accounting records. |
| Associated User Interfaces | Accounting information display. |
| Pre-Conditions | Invoices successfully generated. |
| Post-Conditions | Financial records updated with new invoices. |
| Detailed Description | System reviews order details before generating invoices. |
| Alternate Course(s) | In case of failed update, system prompts to investigate. |

## UC-12

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| --- | --- |
| Use Case Number | UC-12 |
| Use Case Name | Display current inventory |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Inventory database. |
| Associated User Interfaces | Inventory management section. |
| Pre-Conditions | Staff member is logged into the system. |
| Post-Conditions | Staff has up-to-date view of the current inventory. |
| Detailed Description | Staff selects “inventory management’, system displays inventory status is real-time as per details asked. |
| Alternate Course(s) | If retrieval fails, the system prompts an alert asking to enter correct details or troubleshoot. |

## UC-13

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| --- | --- |
| Use Case Number | UC-13 |
| Use Case Name | Update inventory with new stock. |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Inventory database. |
| Associated User Interfaces | Inventory management section; input form for entering new stock details. |
| Pre-Conditions | Staff member is logged into the system. |
| Post-Conditions | Inventory is updated accurately. |
| Detailed Description | Staff adds new stock information, ensuring accurate details are entered for every book. |
| Alternate Course(s) | If input validation fails, system prompts to correct errors before updating. |

## UC-14

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| --- | --- |
| Use Case Number | UC-14 |
| Use Case Name | Update inventory from processed orders. |
| Actor Involved | Bookshop Staff |
| Associated Data Sources | Inventory database, Order database. |
| Associated User Interfaces | Inventory management section; Processed orders list. |
| Pre-Conditions | Staff member is logged into the system. |
| Post-Conditions | Inventory is updated based on processed orders. |
| Detailed Description | Staff updates information based on processed orders, maintaining accuracy in stock levels. |
| Alternate Course(s) | If order information is incomplete, system prompts to complete information or resolve issue before updating. |

## UC-15

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| --- | --- |
| Use Case Number | UC-15 |
| Use Case Name | Initiate data migration process. |
| Actor Involved | System administrator |
| Associated Data Sources | System deployment status. |
| Associated User Interfaces | Admin dashboard. |
| Pre-Conditions | The system is ready for deployment. |
| Post-Conditions | Data migration process is triggered. |
| Detailed Description | Admin triggers data migration process based on system readiness for the process. |
| Alternate Course(s) | If system is not ready, administrator receives an alert to resolve issue before initiating again. |

## UC-16

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| --- | --- |
| Use Case Number | UC-16 |
| Use Case Name | Extract data from manual system. |
| Actor Involved | System administrator |
| Associated Data Sources | Manual system database. |
| Associated User Interfaces | System logs; data extraction interface. |
| Pre-Conditions | Data migration process is initiated. |
| Post-Conditions | Data is ready for transformation and loading. |
| Detailed Description | System extracts data from manual database for transformation and loading. |
| Alternate Course(s) | If extraction fails, system prompts an error message and for troubleshooting. |

## UC-17

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| --- | --- |
| Use Case Number | UC-17 |
| Use Case Name | Transform and load data into new system. |
| Actor Involved | System administrator |
| Associated Data Sources | Extracted data from manual database. |
| Associated User Interfaces | Transformation and loading interface. |
| Pre-Conditions | Data is extracted successfully from the manual system. |
| Post-Conditions | All required is successfully migrated. |
| Detailed Description | Admin transforms and loads data into the new system, ensuring successful migration completion. |
| Alternate Course(s) | If transformation or loading of data fails, then system prompts an error message asking administrator to resolve issue. |