## Requirement Catalogue

### Functional Requirement

#### A: Product

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| **Requirement ID** | **Description** | **MoSCoW** |
| **A1** | **All products need details.** |  |
| A1-01 | Each product should have their name, price, stock information, minimum order, and maximum order. | M |
| A1-02 | Products should be associated with a specific shop. | M |
| A1-03 | Product should have a product category. | M |
| A1-04 | Product should have image and allergy information. | S |
| A1-05 | Product should display average rating and review count. | S |
| A1-06 | Products can have discount applied to them. | C |
| **A2** | **An interface to navigate product and shop.** |  |
| A2-01 | Users should be able to see shop details like name, location, description etc. | M |
| A2-02 | Users should be able to search products by product name or product category. | M |
| A2-03 | Users should be able to search for products by shop. | S |
| A2-04 | Users should be able to filter products based on price and rating. | S |
| **A3** | **An interface to add products in cart and wish list.** |  |
| A3-01 | Users should be logged in to add products to their cart. | M |
| A3-02 | Users should be able to add up to 20 different items in the cart at a time. | M |
| A3-03 | Users should be able to view items in their cart. | M |
| A3-04 | Users should be able to add/ remove product from their wish list or favorites list. | S |
| A3-05 | Users should be able to increase or decrease the quantity of products from the cart. | C |
| **A4** | **An interface for review and rating for product.** |  |
| A4-01 | Users should be able to leave a textual review of the product. | S |
| A4-02 | Users should be able to give star ratings to a product. | S |
| A4-03 | Products should have a date of reviewed. | C |

#### B: Customer

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| **Requirement ID** | **Description** | **MoSCoW** |
| **B1** | **An interface to register for new user.** |  |
| B1-01 | User should provide all required details i.e. name, address, contact number etc. to register. | M |
| B1-02 | Email verification should be required during registration. | M |
| B1-03 | Password should be 8 to 32 characters long. | S |
| B1-04 | Password should contain an uppercase, number and a special character. | C |
| **B2** | **An interface for user login.** |  |
| B2-01 | User should be able to log in using their registered credentials. | M |
| B2-02 | User should be able to reset their password via web interface. | S |
| B2-03 | User should be able to reset their password via email verification if he/she forgets. | C |
| **B3** | **An interface to view and update profile.** |  |
| B3-01 | User should be able to view and update their profile information. | M |
| B3-02 | User should be able to change their password. | S |
| B3-03 | User should be able to upload or remove profile picture. | C |
| **B4** | **Customer should be able to view product.** |  |
| B4-01 | Customer should be able to search and browse products. | M |
| B4-02 | Customers should be able to view product details. | M |
| B4-03 | Customer should be able to sort and filter products. | S |
| B4-04 | Customers should be able to view product review and ratings | S |
| B4-05 | Customers should be able to view related products. | S |
| B4-06 | Customers should be able to view product availability. | C |
| **B5** | **Customer has access to cart.** |  |
| B5-01 | Customer should be logged in to access cart. | M |
| B5-02 | Customers should be able to view the total cost of items in their cart. | M |
| B5-03 | Customers should be able to remove all the products from cart using “Clear All” button. | S |
| B5-04 | Customers should be able to increase or decrease the quantity of product in the cart. | S |
| B5-05 | Customer should be able to save their cart for later. | C |
| **B6** | **Customer has wish list.** |  |
| B6-01 | Customers can add or remove product from their wish list. | C |
| **B7** | **An interface to place order.** |  |
| B7-01 | Customer should be able to select a collection time slot while placing order. | M |
| B7-02 | Customer should be able to pay through PayPal. | M |
| B7-03 | Customer should get a notification about order confirmation. | S |
| B7-04 | Customer should be able to cancel their order. | C |
| **B8** | **An interface to review product.** |  |
| B8-01 | Customer should be able to leave a review and star rating on the product they have purchased. | M |
| B8-02 | Customer should be able to edit their review and ratings. | C |
| **B9** | **An interface to view order details.** |  |
| B9-01 | Customer should be able to view their order details. | M |
| B9-02 | Customer should be able to view their order history. | C |

#### C: Trader

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| **Requirement ID** | **Description** | **MoSCoW** |
| **C1** | **An interface for trader registration and login.** |  |
| C1-01 | Trader should be able to register with their shop information. | M |
| C1-02 | Traders should be able to log in using their registered credentials. | M |
| C1-03 | Traders should be able to reset their passwords via email verification if they forget their passwords. | S |
| C1-04 | The registration and login forms should have proper validations. | C |
| C2 | **An interface to view and update profile.** |  |
| C2-01 | Traders should be able to view and update their profile via web interface. | M |
| C2-02 | Traders can view and update their shop information, including descriptions and contact details. | M |
| C2-03 | Traders should be able to change their passwords. | S |
| **C3** | **Trader can manage product and shop.** |  |
| C3-01 | Traders should be able to add new products to their shop. | M |
| C3-02 | Traders should be able to update stock information of the product. | M |
| C3-03 | Traders should be able to update shop information. | M |
| C3-04 | Traders should be able to remove the product. | S |
| C3-05 | Traders should be able to set discounts on their products. | C |
| **C4** | **Access to dashboard and reports.** |  |
| C4-01 | Traders should be able to access the dashboard via website or apex. | M |
| C4-02 | Traders can view details of daily orders. | M |
| C4-03 | Traders can view daily, weekly, and monthly reports. | M |
| C4-04 | Traders can view weekly financial reports. | S |
| C4-05 | Traders can filter reports based on date. | S |
| C4-06 | Traders should be able to export reports in various formats. | C |

#### D: Management

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| **Requirement ID** | **Description** | **MoSCoW** |
| **D1** | **An apex login interface.** |  |
| D1-01 | The administrator should be able to log in via both website and apex. | M |
| **D2** | **Manage trader and user.** |  |
| D2-01 | Admin should be able to view traders. | M |
| D2-02 | Admin should be able to view customers. | M |
| D2-03 | Admin should be able to approve or decline a trader register request. | M |
| D2-04 | Admin should be able to remove a trader or customer account. | M |
| D2-05 | Admin should be able to remove a review written by a user. | M |
| D2-06 | Admin should be able to send notifications to traders and users. | C |
| **D3** | **Management reports** |  |
| D3-01 | Admin should have access to various management reports and analytics. | M |
| **D4** | **Payment** |  |
| D4-01 | The system should support integration with payment gateways like PayPal and Stripe. | C |

### Non-Functional Requirement

#### E: Non-Functional

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| **Requirement ID** | **Description** |
| E1 | The website should respond within an acceptable timeframe to user actions. |
| E2 | The website should be able to handle increasing loads of users and data without sacrificing performance. |
| E3 | User’s accounts should be securely stored and protected against unauthorized access or data breaches. |
| E4 | Properly authenticating users and authorizing access to different parts of the website based on their roles and permission. |
| E5 | Encryption protocols to protect sensitive data such as payment information and personal details. |
| E6 | Websites should run smoothly across different devices and screen sizes. |
| E7 | Reliable backup and recovery procedures to protect against data loss and maintain operations during system failures. |
| E8 | Ensure users to leave feedback, ratings and reviews for products and services. |
| E9 | Recommend products and contents based on individual user preferences, browsing and payment history. |