**1.1 Requirement Catalogue**

* **Functional Requirements**
  + **A: Product**

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| **Requirement ID** | **Description** | **MoSCoW** |
| **A1** | **All products need details.** |  |
| A1-01 | Products should have a distinct identifier. | M |
| A1-02 | Products should be linked with the specific trader. | M |
| A1-03 | Products should be displayed with name, price, stock quantity and an image. | M |
| A1-04 | Products should have descriptions. | S |
| A1-05 | Products can have multiple images. | C |
| A1-06 | Products must be categorized. | M |
| A1-07 | Products can have various variants. | C |
| **A2** | **An interface to navigate product and shop.** |  |
| A2-01 | Products listing must include at least 1 image, title, price, shop name, short description and detailed description. | M |
| A2-02 | Products Detail Page can have multiple tabs to view descriptions, FAQs and reviews. | S |
| A2-03 | Social Media icons for sharing will be displayed. | C |
| A2-04 | Customers should be able to browse products smoothly. | S |
| **A3** | **An interface to add products in cart and wish list.** |  |
| A3-01 | The Product Page must include Add to Cart and Buy Now button. | M |
| A3-02 | Quantity selection should be available on product page. | S |
| A3-03 | The Product Page should contain the Add to Wishlist. | S |
| **A4** | **An interface for review and rating for products.** |  |
| A4-01 | Customers can leave reviews and rating for the product if only they are registered. | S |
| A4-02 | Customers can provide review and rating to a product only if they have purchased it. | C |

* + **B: Customer**

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| **Requirement ID** | **Description** | **MoSCoW** |
| **B1** | **An interface to register for new users.** |  |
| B1-01 | Customers should fill their basic and brief information like full name, address, email, password, contact number, gender, date of birth. | M |
| B1-02 | Customers must agree to terms and conditions of Cleckfax Trader Hub. | M |
| B1-03 | Verification code is provided via email for confirmation of the registration. | S |
| B1-04 | Passwords should contain 8-12 characters, 1 special character, 1 number and at least 1 capital letter. | S |
| B1-05 | Passwords should be encrypted before sending it to the server side. | M |
| **B2** | **An interface for customer login.** |  |
| B2-01 | Customers should be able to log in with the email or contact number and password. | M |
| B2-02 | Customers should be able to save their login credentials. | S |
| B2-03 | Customers should fill their necessary login information. | S |
| B2-04 | Users can regain access to their account using the ‘Forgot Password’ option if they forget their login details. | S |
| B2-05 | Customers will be required OTP verification sent in their email to regain access. | S |
| B2-06 | Customers can enable keep me logged in options. | C |
| **B3** | **An interface to view and update profiles.** |  |
| B3-01 | Customers should be able to view their personal data. | M |
| B3-02 | Customers should be able to change their basic information like name, email, password and contact number. | M |
| B3-03 | Customers should be able to upload and change their own profile picture as they like. | C |
| B3-04 | Verification of a password change or reset password should be done by an OTP verification. | C |
| B3-05 | An error message will appear if the customer's update information is invalid or does not meet the system requirements. | C |

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| **B4** | **Customers should be able to view products.** |  |
| B4-01 | Customers can still view products before being logged in. | M |
| B4-02 | Customers should be able to view product details such as allergy information, expiry date and other relevant information. | M |
| B4-03 | Customers can use text-based search to look for product. | S |
| B4-04 | Customers should be able to explore different products through navigation. | S |
| B4-05 | Customers should be able to filter products in terms of price, category. | S |
| B4-06 | Customers should be able to sort products based on ratings. | C |
| B4-07 | Product can also be filtered on the basis of discount rate. | C |
| **B5** | **Customers have access to carts.** |  |
| B5-01 | Customer should be able to add to cart | M |
| B5-02 | Customers can increase or decrease the quantity once the product is already in the cart. | S |
| B5-03 | Cart can store up to 20 products only. | M |
| B5-04 | Customers can remove the products from the cart. | S |
| B5-05 | The product in the cart is saved even if they logged out from the system. | S |
| B5-06 | Customers can proceed to checkout via cart. | M |
| **B6** | **Customer has a wish list.** |  |
| B6-01 | Customers should be able to add product to their wish list. | M |
| B6-02 | Customers can remove the products from their wish list. | C |
| **B7** | **An interface to place orders.** |  |
| B7-01 | Registered customers are able to proceed to checkout via cart | M |
| B7-02 | Customers must select their preferred payment method before checkout. | S |
| B7-03 | Customers should login in order to checkout. | M |
| B7-04 | Customers must be able to choose a collection slot before ordering. | M |
| B7-05 | Customers can have payment system option like PayPal. | S |
| B7-06 | Customers should receive invoice through email | S |
| B7-07 | Time slot for the next order pickup must be 24 hrs. after the order submission. | S |
| B7-08 | Customers can view their order details. | M |
| B7-09 | Customers can pay through PayPal. | S |
| **B8** | **An interface to review products.** |  |
| B8-01 | Customers can provide reviews and ratings as they wish. | M |
| B8-02 | Customers should be able to view the average rating for each product. | S |
| B8-03 | Customers should have the ability to ask questions about the products. | C |
| B8-04 | Customers should be able to see how many times a product has been purchased for assurance. | C |
| B8-05 | Customers can leave a review once their order is picked up. | C |
| **B9** | **An interface to view order details.** |  |
| B9-01 | Customers should be able to view their previous order history. | S |
| B9-02 | Customers should be able to sort their previous order details. | C |
| B9-03 | Price, quantity collection slot, collection date and total amount should be shown in order detail. | M |

* + **C: Trader**

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| **Requirement ID** | **Description** | **MoSCoW** |
| **C1** | **An interface for trader registration and login.** |  |
| C1-01 | An interface for trader registration and login. | M |
| C1-02 | Traders must have a separate login panel. | M |
| C1-03 | A trader must provide full name, address, mobile no, email, shop name, company registration number, shop logo and shop description for registration. | M |
| C1-04 | Traders must have a unique identification number. | M |
| C1-05 | Email verification is done via OTP. | M |
| **C2** | **An interface to view and update profiles.** |  |
| C2-01 | Traders should be able to update their basic information like name, email, password, contact number and shop details. | M |
| C2-02 | Traders should be able to view both their personal and shop information at any time. | M |
| C2-03 | Traders will login into their oracle dashboard to monitor orders and stock availability. | S |
| **C3** | **Traders can manage products and shop.** |  |
| C3-01 | Traders are free to manage their product and shop settings at any time. | M |
| C3-02 | Trader will only be able to operate a single shop. | M |
| C3-03 | Traders can offer discounts on selected or all products. | C |
| C3-04 | Trader can reply to customer questions and concerns | C |
| C3-05 | Trader can hide product from their shop display if needed. | C |
| **C4** | **Access to dashboard and reports.** |  |
| C4-01 | Traders will get weekly and monthly reports of orders, payments. | M |
| C4-02 | Traders will get a monthly summary of product sales and total income. | M |
| C4-03 | Traders can view invoices through the trader dashboard. | C |
| C4-04 | A trader will not have the access or visibility to other trader’s reports. | M |
| C4-05 | Traders have access to order details related to their shops. | M |
| C4-06 | Trader can view their dashboard after login. | S |
| C4-07 | Traders can view basic customer details of those who placed orders with the trader. | C |

* + **D: Management**

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| **Requirement ID** | **Description** | **MoSCoW** |
| **D1** | **An apex login interface.** |  |
| D1-01 | Management must login to access the oracle dashboard | M |
| **D2** | **Manage trader and user.** |  |
| D2-01 | Management should have ability to look over traders and customer’s accounts. | M |
| D2-02 | Management could approve and monitor traders' accounts. | M |
| D2-03 | Management has the authority to deactivate the traders account if any suspicious activity is found. | M |
| D2-04 | Management should verify trader products for uniqueness. | M |
| D2-05 | Management can review and remove offensive reviews. | C |
| D2-06 | Management can disable trader products if similarity is found between two traders. | C |
| **D3** | **Management reports** |  |
| D3-01 | Management should be able to view the report of trader’s sales performances. | M |
| D3-02 | Management Dashboard should include an order graph for data insights. | S |
| D3-03 | Management Dashboard should highlight the top 3 traders. | S |
| D3-04 | Management Dashboard should display total number of registered customers. | M |
| **D4** | **Payment** |  |
| D4-01 | Admin has the authority to handle the settlement of trader payments. | C |

* **Non-Functional Requirement**

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| **Requirement ID** | **Description** |
|  | **This platform will comply with the following nonfunctional requirement** |
| E1-01 | HTML/CSS template should meet the design goals. |
| E1-02 | Templates applied consistently across all pages of the platform. |
| E1-03 | The platform should be fully responsive, ensuring seamless functionality and optimal user experience on both mobile and web devices. |
| E1-04 | A sitemap should be included to make the platform navigation easier. |
| E1-05 | Site built for maintainability: Files organized, Comments added, Html using includes. |
| E1-06 | Websites should load quickly to provide better user experience. |
| E1-08 | Websites should be user-friendly, pleasing and easy to use. |
| E1-09 | Websites should be able to handle multiusers. |
| E1-10 | Users’ sensitive information (e.g., passwords, credit card details) must be securely stored using encryption. |
| E1-11 | Navigation should be consistent across all pages with clear menus and breadcrumb trails. |