Functional Requirements

# Part A: Product Interface

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| Requirement ID | Description | MoSCoW |
| **A1** | **An interface to allow customers to view products and buy them.** |  |
| A1 - 1 | All products will be displayed with Unique ID, short name, a description, price, quantity, stock available, min order, max order, allergy information and will be associated with a trader. | M |
| A1 - 2 | Users will be able to navigate to product by shop or by product type. | M |
| A1 - 3 | Users will be able to search for products by open text search. | S |
| A1 - 4 | Users will be able to sort products appropriately. Example: price, alphabets. | S |
| **A2** | **The interface will allow customers to select products and add those products to cart for checkout.** |  |
| A2 - 1 | Logged in users will only be able to access the basket. | M |
| A2 - 2 | Registration should be done by users to place an order and access the basket. | M |
| A2 - 3 | Users will be provided with a single basket to hold goods that spans all traders. | M |
| A2 - 4 | A single basket will have a single payment. | M |
| A2 - 5 | A basket will contain all the products added by the customer with name, short description, quantity and an image. | S |
| A2 - 6 | A single basket can hold 25 products and a single payment needed. | C |

# Part B: Customer Interface

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| Requirement ID | Description | MoSCoW |
| **B1** | **A facility to allow registered users to login** |  |
| B1 - 1 | A login form to collect username and password will be provided. | M |
| B1 - 2 | Server validation that informs users if they attempt to log in using incorrect details. | M |
| B1 - 3 | Login link will be displayed on every pages of the site. | C |
| B1 - 4 | Reset password link will be provided if they forget their password. | C |
| **B2** | **A facility to allow new customers to register their account.** |  |
| B2 - 1 | A registration form that collects first name, last name, user name, password, email, address, age. | M |
| B2 - 2 | A user should be able to validate account through email address. | M |
| B2 - 3 | Password must be encrypted before storing in the database. | C |
| B2 - 4 | The password length must be 8-10 length. | C |
| B2 - 5 | The username must have alphabets only. | C |
| B2 - 6 | The password must have at least one capital letter, a number and a symbol. | C |
| B2 - 7 | Customer account must be registered before they can place an order. | M |
| B2 - 8 | Username must be unique to each customer. | M |
| B2 - 9 | Ideally registration and account updates should be confirmed through emails. | M |

# Part C: Trader Interface

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| Requirement ID | Description | MoSCoW |
| **C1** | **An interface to allow trader to register their account.** |  |
| C1 – 1 | A form that minimally collects user id, user role, status, first name, last name, profile picture, status, dob, email. | M |
| C1 – 2 | Validation of all form fields to ensure none of the field is empty or unchecked. | S |
| C1 – 3 | Password must be encrypted before storing in the database | C |
| C1 – 4 | Username must be unique to each trader. | M |
| **C2** | **An interface to allow registered trader to login.** |  |
| C2 – 1 | A trader login that allows them to access to their details only. | M |
| C2 – 2 | A login form to collect username and password will be provided. | M |
| C2 – 3 | Server validation that informs users if they attempt to log in using incorrect details. | M |
| C2 - 4 | Trader should be able to view and update the details of their trader account. | M |
| C3 | A facility to allow registered/logged in trader to view reports |  |
| C3 - 1 | Traders will be able to view reports on orders and stock levels etc. | M |
| C3 - 2 | Traders will be able to view a weekly finance report which will identify payments to be made to them resulting from the previous 7 days orders. | M |
| C3 - 3 | Trader will be able to view a monthly report on their product sales. | M |
| C3 - 4 | Traders will be able to run this report ordered in a number of ways: alphabetically, by total number of orders per product, by total income per product. | M |

# Part D: Management Interface

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| Requirement ID | Description | MoSCoW |
| **D1** | **A facility to allow authenticated admin users to manage the activities presented by the system.** |  |
| D1 - 1 | After logging in the admin will have the access to manage the dashboard. | M |
| D1 - 2 | An interface to view the shop details of each trader. | S |
| D1 - 3 | An interface to view the shop of each trader. | M |
| D1 - 4 | Management can deactivate customers account. | M |
| D1 - 5 | Management can deactivate customer item. | S |
| D1 - 6 | An interface will provide access traders to range periodic report. | M |
| D1 - 7 | Email confirmation should be sent to trader after signing up. | S/C |

Non - Functional Requirements

# Part E: Non – functional Requirements

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| Requirement ID | Description | MoSCoW |
| **E1** | **The website will have the following non-functional requirements.** |  |
| E1 - 1 | HTML/CSS template suited to the requirements. | M |
| E1 - 2 | Template applied consistently throughout the website. | S |
| E1 - 3 | The site should be viewable on mobile as well as desktop devices and viewable on the most popular browsers. | M |
| E1 - 4 | Apex Oracle used for the back-end. | M |
| E1 - 5 | Implement Google map to locate the shops location. | W |