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# **Functional Requirements**

## **Part A: Customer Interface**

|  |  |  |
| --- | --- | --- |
| **Requirement ID** | **Description** | **MoSCoW** |
| **A1** | **An interface that allows customers to view products** |  |
| A1-01 | Customers will be able to view the products displayed with an image, a short title, description | M |
| A1-02 | Customers will be able to view products by shop or by product type | M |
| A1-03 | Products will be viewable in mobile phones, desktop and other popular web browsers | M |
| A1-04 | Users will be able to sort displayed products according to different criteria | S |
| A1-05 | Users will be able to search the products by open text search | S |
| A1-06 | Products can be sorted and searched based on multiple search criteria | S |
| A2 | **An interface that allows the customers to shop with different traders** |  |
| A2-01 | Customers will have single basket to hold their selected products | **M** |
| A2-02 | Customers will go through products by the product type or shop | **M** |
| A2-03 | Customers will view 10 shops only | **M** |
| A2-04 | Customers will be able to preview the order details with total price | **M** |
| A2-05 | Customers will have the option to continue shopping or checkout | **S** |
| **A3** | **An interface to allow users to update account details** |  |
| A3-01 | Customers can view and update their account details | **S** |
| **A4** | **An interface to allow the users to save products temporarily in favorites collection** |  |
| A4-01 | A link to favorites page will be displayed for logged in users only | C |
| A4-02 | The favorites page will display an image and short description of the saved products or show no favorites are saved | C |
| A4-03 | Users will be able to remove individual items or clear all | C |
| **A5** | **An interface to allow payment** |  |
| A5-01 | Users will be able to make a single payment for their baskets via PayPal | M |
| A5-02 | Users will be able to make payments through other online payment gateways | C |

## **Part B: Register and Login**

|  |  |  |
| --- | --- | --- |
| **Requirement ID** | **Description** | **MoSCoW** |
| **B1** | **An Interface to allow registered users to log in** |  |
| B1-01 | Different login interface will be provided for different types of users. | **M** |
| B1-02 | Registered users will be able to login using their username and password using a login form | **M** |
| B1-03 | Server validation to notify users if no user with given username exists or they insert incorrect login credentials | **S** |
| B1-04 | A login link will be provided with every page of the site | **S** |
| **B2** | **An interface to allow new users to register** |  |
| B2-01 | Users will have a form to collect username, email, password, contact number, etc. and a terms and conditions checkbox | **M** |
| B2-02 | Password will be encrypted before storing in the database | **S** |
| B2-03 | Server validation to confirm the fields are not empty | **S** |
| B2-04 | Application of appropriate functions and techniques to ensure validity of data entered including valid email, password includes at least one special character, a number and a capital letter | **S** |
| B2-05 | Application of appropriate function to prevent security risks from input in form data field | **S** |
| B2-06 | Newly registered will be verified using verification email | **S** |
| B2-06 | Users will be redirected with prior information for unregistered users during login attempt | **C** |

## **Part C: Trader Interface**

|  |  |  |
| --- | --- | --- |
| **Requirement ID** | **Description** | **MoSCoW** |
| **C1** | **This interface allows registered traders to manage their product information** |  |
| C1-01 | Every product should be provided with a unique ID | **M** |
| C1-02 | Traders are provided with add/delete/update options for their products and information | **M** |
| C1-03 | Traders will have daily login to their database to view reports on order and stock levels | **M** |
| C1-04 | Logged in traders will access to their own details only | **M** |
| C1-05 | Products will have minimally quantity per item, maximum/minimum order, stock available, allergy information | **S** |
| C1-06 | Traders will be able to update their account details | **C** |
| **C2** | **A facility to allow authenticated admin users to manage the activities presented by the system** |  |
| C2-01 | An admin page to manage the products with add/delete/update options | **M** |
| C2-02 | Authenticate admin will have access to any of the trader accounts | **M** |
| C2-03 | A dashboard to display the updated details | **S** |

## **Part D: Management Interface**

|  |  |  |
| --- | --- | --- |
| **Requirement ID** | **Description** | **MoSCoW** |
| **D1** | **An interface to control the entire system** |  |
| D1-01 | A management dashboard that manages the activities of traders, customers and products | **M** |
| D1-02 | The dashboard will give access to traders for daily and periodic reports that provides with order details, delivery slots and product details | **M** |
| D1-03 | A weekly report for the traders that provides them with information of the delivered products and their payments | **S** |
| D1-03 | A monthly report for the traders about their monthly sales | **S** |
| D1-04 | Traders will run monthly report by total number of orders per product, by total income per product or alphabetically | **S** |

# Non-Functional Requirements

|  |  |  |
| --- | --- | --- |
| **Requirement ID** | **Description** | **MoSCoW** |
| **NF1** | **The website will have the following non-functional requirements.** |  |
| NF1-01 | HTML/CSS template applied according to the wireframe design | M |
| NF1-02 | Template applied consistently throughout the site | S |
| NF1-03 | Site built for maintainability: Files organized, comments added, HTML using includes, bespoke functions. | S |