Nature’s Fresh Mart

*Group-7*

**Project Manager**

Rohit Raj Pandey

**Team Members**

Rajesh Basnet

Harsh Gupta

Gaurav Bhansali

Aakash Das

Saugat Thapa

**FUNCTIONAL REQUIREMENT**

1. **PRODUCT INTERFACE**

|  |  |  |
| --- | --- | --- |
| REQUIREMENT ID | DESCRIPTION | MOSCOW RULE |
| A1 | **Product description** |  |
| A1-01 | Products will have a unique id. | **M** |
| A1-02 | Products will have a name and price. | **M** |
| A1-03 | Products will be associated with at least one trader. | **M** |
| A1-04 | Products will have max and min order capacity, stock availability and description. | **M** |
| A1-05 | Products will have allergy information if needed. | **S** |
| A1-06 | Products will have an enabled or disabled status. | **S** |
| A1-07 | Products will have delivery-storage information. | **C** |

1. **CUSTOMER INTERFACE**

|  |  |  |
| --- | --- | --- |
| REQUIREMENT ID | DESCRIPTION | MOSCOW RULE |
| B1 | **An Interface that allows the customers to view and buy products** |  |
| B1-01 | Customers will be able to sort products according to name and price. | **M** |
| B1-02 | Customers will be able to search for products inside each shop. | **M** |
| B1-03 | Customers will be able to view information about products like price, stock and so on. | **M** |
| B1-04 | Customers will be able to rate and leave reviews on products. | **S** |
| B1-05 | Customers will be able to search for products directly from the home page. | **C** |
| B2 | **Cart interface for customers** |  |
| B2-01 | Customers will be able to add products to a single cart from different shops. | **M** |
| B2-02 | Customers will be able to view the total price. | **M** |
| B2-03 | Customers will be able to delete items from the cart individually or all at once. | **S** |
| B2-04 | Customers will be able to add more of the same products from the cart itself. | **C** |
| B3 | **Product payment and collection** |  |
| B3-01 | Customers will be able to make online payments via PayPal. | **M** |
| B3-02 | Customers will be able to login to their account. | **M** |
| B3-03 | Customers will be able to view their orders. | **M** |
| B3-04 | Customers will be able to choose collection slots. | **M** |
| B3-05 | Customers can add products to favorites if they are logged in. | **C** |
| B3-06 | Customers can remove items from favorites. | **C** |
| B3-07 | Customers will be able to cancel orders after they have been placed. | **C** |
| B3-08 | Customers will be able to return products that are not satisfied with the quality. | **C** |

1. **TRADER INTERFACE**

|  |  |  |
| --- | --- | --- |
| REQUIREMENT ID | DESCRIPTION | MOSCOW RULE |
| C1 | **An Interface that allows the traders to manage their products** |  |
| C1-01 | All products of every trader will have their unique trader ID. | **M** |
| C1-02 | All traders will have at least one shop each. | **M** |
| C1-03 | Traders will be able to manage their personal information excluding passwords. | **M** |
| C1-04 | Traders will be able to update, insert and delete products. | **M** |
| C1-05 | Each trader should have at least one product. | **M** |
| C1-06 | Traders should be able to login to their account. | **M** |
| C1-07 | Traders will be able to change their password by and type of product by themselves without the help of admin. | **C** |
| C2 | **Payment of the trader** |  |
| C2-01 | Each trader will receive a receipt for each item sold which can be accessed using their accounts. | **M** |
| C2-02 | Each trader will receive a single receipt for all items sold that day which can be accessed using their accounts. | **C** |
| C3 | **Daily, weekly and Monthly Reports** |  |
| C3-01 | All reports will be available to the traders after they’ve logged in. | **M** |
| C3-02 | Daily reports will be available to the traders after they’ve logged in. | **M** |
| C3-03 | Weekly financial reports will be available to the traders after they’ve logged in. | **M** |
| C3-04 | Monthly sales reports will be available to the traders after they’ve logged in. | **M** |

1. **LOGIN AND REGISTRATION**

|  |  |  |
| --- | --- | --- |
| REQUIREMENT ID | DESCRIPTION | MOSCOW RULE |
| D1 | **An Interface that allows customers to login or register** |  |
| D1-01 | Customers will be able to login using username and password. | **M** |
| D1-02 | New customers will be required to fill out a form which will minimally require name, email and password. | **M** |
| D1-03 | Email verification links will be sent for customer verification. | **M** |
| D1-04 | Server side validation for user login. | **S** |
| D1-05 | Login option will be available on each page if the user is not logged in. | **S** |
| D1-06 | Server side validation for incorrect login attempt. | **S** |
| D2 | **An Interface that allows trader to login or register** |  |
| D2-01 | New traders will be required to fill out a form that collects first name, last name, email, address, mobile number, password and terms and conditions checkbox. | **M** |
| D2-02 | Email verification links will be sent for trader verification. | **M** |
| D2-03 | Traders will be able to login to their account using username and password. | **M** |
| D2-04 | Server-side validation for trader login. | **S** |
| D2-05 | Server-side validation for incorrect login attempt. | **S** |
| D2-06 | Apply appropriate strategies to ward off potential security threats. | **C** |

# 

1. **MANAGEMENT INTERFACE**

|  |  |  |
| --- | --- | --- |
| REQUIREMENT ID | DESCRIPTION | MOSCOW RULE |
| E1 | **An Interface that allows admin to login** |  |
| E1-01 | Admins will login using their username and password. | **M** |
| E1-02 | After logging in, admin can access any of the trader accounts. | **S** |
| E1-03 | Admin can disable any trader’s products | **S** |
| E1-04 | Admin can deactivate a trader's account. | **C** |
| E1-05 | Admin can delete a trader's products. | **C** |
| E2 | **Dashboard and Report** |  |
| E2-01 | Admin users can access the admin home page and dashboard. | **M** |
| E2-02 | Admin has access to all reports of the traders. | **M** |

**NON-FUNCTIONAL REQUIREMENT**

|  |  |  |
| --- | --- | --- |
| REQUIREMENT ID | DESCRIPTION | MOSCOW RULE |
| NF1 | **An Interface that allows admin to login** |  |
| NF-01 | The website will be scalable so future development in the website is feasible. | **M** |
| NF1-02 | The website load time won't exceed 5 seconds. | **S** |
| NF1-03 | Server-side validation for all user’s login. | **M** |
| NF1-04 | Proper documentation of code for code maintainability. | **M** |
| NF1-05 | High level of security for online payment transactions. | **S** |
| NF1-06 | The traders will be notified no later than 12 hours after registration. | **S** |
| NF1-07 | The customer can access the cart from any shop page or product page directly. | **M** |