Functional Requirements

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| Requirement ID | Statement |
| FR01 | Upon opening the website, the user shall see a homepage displaying best-seller products sold by the store along with a sign up/sign in button. |
|  | Each item will be composed of the following data:   * Name * Category * Description * Image * Brand * Price * Discount percentage if any |
| FR02 | Upon clicking on the sign up button, the user shall see a sign up page including personal information asked by the sign up page. These personal information fields are:   * E-mail * Password * Address |
| FR03 | The E-mail field should validate the following:   * Check if the Email exists and is valid * Check if the Email has never been used before for creating an account * Validate the account using a One Time Password(OTP) sent to the Email entered. Upon valid OTP, the registration is approved. * Otherwise, the registration is rejected and no account is created. |
| FR04 | The password field should adhere to secure password requirements |
| FR05 | Upon clicking on the sign in button, the user shall be prompted with two fields asking him to input his/her E-mail and password. |
| FR06 | The user shall view the products using the following categories:   * All items * Best-seller products * Type/Brand of candy |
| FR07 | There will be a search bar allowing the user to search for a specific product/brand. |
| FR08 | Upon logging in, the user will be able to add products to his/her shopping cart. |
| FR09 | The shopping cart shall have the following properties:   * Allows the user to change a product’s quantity, or remove an item * Validates that the quantity of a single sealed item is bound within a maximum of 50 units. * Validates that the weight of a single loose item is bound within a maximum of weight of 50 kilograms |
| FR10 | There will be a separate web page dedicated for the purchases of gift cards. |
| FR11 | In the checkout, there will be the following payment options:   * Cash On Delivery (COD) - can be used to pay for an order (or the remaining amount if any) * Smart Wallets – can be used to pay for an order (or the remaining amount if any) * One or more gift vouchers – the value of this/these vouchers shall be subtracted from the total sum. * Loyalty points can be redeemed to pay for an order or a part of an order. |
| FR12 | If Cash on Delivery (COD) is selected, the user should enter a valid phone number which is verified by a One Time Password (OTP) sent to the user to be entered to the system for successful verification. |
| FR13 | Upon a successful purchase, the user shall earn loyalty point according to the scheme decided by the admin. |
| FR14 | After successful payment, the user will be prompted to choose whether to use the shipping address on his/her profile or to enter another address. |
| FR15 | In the shipping cart, there shall be an option called ‘reorder’. Upon clicking on the reorder button, the user will be prompted to re-order the previous order with the same quantities. |
| FR16 | In the user profile, there will be a category called ‘Order History’. This will enable the user to view all of the his/her previous order activity/history. |
| FR17 | The system administrator will have a dedicated page to be able to manage items in the following ways   * Update catalogue with new items * Cancel items * Update item information |
| FR18 | The system administrator will have a dedicated page to view the following information about the system:   * Order made by users * Statistics about the following:   + Daily sales   + Monthly sales   + Sales of a time in a given period of time   + Most popular products |
| FR19 | The system administrator will have the privileges to do the following each in a dedicated page:   * Set a loyalty points scheme * Suspend a user |

* **User Story #7**

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| --- | --- |
| **User Story ID** | US #1 |
| **User Story Name** | Searching for a product |
| **Actors** | Customer/admin |
| **Description** | **As** a customer or an admin..  **I like** to be able to search for an item by it’s name  **So** I get it without scrolling all the way to find it |
| **Per condition** |  |
| **Post condition** |  |
| **Acceptance Criteria** | **Given** iam on the main menu  **When** I type the name of the product on the search bar  **Then I see the item** |

* **Scenarios**

**Normal Scenario**

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| 1-user types item’s nam |  |
|  | 2- system search for the item and display it |

**Exceptional Scenario**

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| --- | --- |
| **Actor Action** | **System Response** |
|  |  |

* **User Story #8**

|  |  |
| --- | --- |
| **User Story ID** | US #1 |
| **User Story Name** | Adding a product to the cart |
| **Actors** | Customer |
| **Description** | **As** a customer..  **I like** to add items to my shopping cart  **So** |
| **Per condition** |  |
| **Post condition** |  |
| **Acceptance Criteria** | **Given** iam a cutomer and iam logged in  **When** I select add to cart on the item panel  **Then** the item is added to my shopping cart |

* **Scenarios**

**Normal Scenario**

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| 1-user selcts “add to cart” |  |
|  | 2- system adds the item to the user’s cart |

**Exceptional Scenario**

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
|  |  |

* **User Story #9**

|  |  |
| --- | --- |
| **User Story ID** | US #9 |
| **User Story Name** | Changing the quantity of the product In the shopping cart |
| **Actors** | Customer |
| **Description** | **As** a customer  **I like** to be able to change the quantity of a product in the cart  **So** I get as may units of an item as I want |
| **Per condition** |  |
| **Post condition** |  |
| **Acceptance Criteria** | **Given** iam logged In and I have an item or more In the cart  **When** I select + or – sign on the quantity field  **Then the units counter increase or decrease as I want** |

* **Scenarios**

**Normal Scenario**

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| 1-user selects the + or - sign |  |
|  | 2- system increment or decrement the quantitiy |

**Exceptional Scenario**

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
|  |  |

* **User Story #10**

|  |  |
| --- | --- |
| **User Story ID** | US #10 |
| **User Story Name** | payment |
| **Actors** | Customer |
| **Description** | **As** a customer  **I like** to choose the way of payment  **So** I pay the way it suits me |
| **Per condition** |  |
| **Post condition** |  |
| **Acceptance Criteria** | **Given** iam on the checkout menu  **When** I chose the way of payment  **Then** I pay the way I want |

* **Scenarios**

**Normal Scenario**

|  |  |
| --- | --- |
| **Actor Action** | **System Response** |
| 1-user selects cash on delivery |  |
|  | 2- system prompt the user to input his phone number which is verified by a One Time Password (OTP) |
| 3-user selects e walltet |  |
|  | 4-system ask for the kind of the wallet and ask for it’s number if needed and send the purchase request to the organization. |
| 5-user selects one or more gift voucher |  |
|  | 6- system subtracts the voucher value from the total amount |
| 7 – user selects loyalty points |  |
|  | 8- the system subtract the points’ value from the total amount |