Detailed Design of

Registration

Buyer : **Validate** the format of name, email-id, contact number and password entered by the visitor.

* **Name**: It can contain only alphabets and spaces. It should not start or end with a space. It can’t contain only spaces.
* **Email Id**: The email-id should be of the following format: [example@exm.com](mailto:example@exm.com)
* **Contact number**: It should be a valid Indian mobile number. It can contain only digits and length should be 10. **Example**: 7541834534
* **Password**: It should be 7 to 20 characters in length (both inclusive). It should contain at least one uppercase, at least one lowercase, at least one digit. It should also contain a special character amongst -! @, #, $, %, ^, &, \*

It should be verified from the database that the contact number provided by the visitor is available. The contact number entered by this new user, should not be already in use by other users of the application.

Seller : **Validate** the format of name, email-id, contact number and password entered by the visitor.

* **Name**: It can contain only alphabets and spaces. It should not start or end with a space. It can’t contain only spaces.
* **Email Id**: The email-id should be of the following format: [example@exm.com](mailto:example@exm.com)
* **Contact number**: It should be a valid Indian mobile number. It can contain only digits and length should be 10. **Example**: 7541834534
* **Password**: It should be 7 to 20 characters in length (both inclusive). It should contain at least one uppercase, at least one lowercase, at least one digit. It should also contain a special character amongst -! @, #, $, %, ^, &, \*

The contact number provided by the visitor should be available. The contact number entered by this new user, should not be already in use by other users of the application

Buyer Login

**Validate** that the buyer is registered to the application using email id and password.

* **Email Id**: The email-id should be of the following format: [example@exm.com](mailto:example@exm.com)

Buyer must also be able to

* Add products from product details page to Wishlist,
* remove product from wish list and move products from wish list to cart.
* Able to add a product from product details page to Cart.
* Able to manage the Cart in the Cart page
  + Removal of product from wish list.
* must be able to check out the cart items. Validate :
  + **Quantity:** Check if the required quantity of product is available in the stock.
  + **Delivery Address:** Must be within 100 characters.
* must be able to view the past orders.
* must be able to reorder previously ordered products by **Validating** that the buyer has made purchases before
* must be able to accumulate reward points based on orders.

For this **Validate** that the buyer has made a purchase

* In the total bill amount reward 1 point for per 100₹.
* Should be able to use the reward points to avail discount, where 4 reward points equals 1₹

**A privileged buyer**, must be able to buy unlimited quantity of a specific product. They should

* Able to add a product from product details page to Cart.
* Able to manage the Cart in the Cart page
  + Removal of product from wish list.
* Must be able to subscribe to monthly delivery of selected products.
* no shipping cost will be applied for the purchased products.

Seller Login

**Validate** that the buyer is registered to the application using email id and password.

* **Email Id**: The email-id should be of the following format: [example@exm.com](mailto:example@exm.com)

Buyer can opt-in as privileged mode using reward points.

**Validate** that the buyer has 10000 reward points by checking from database

A seller should be :

* able to add and remove products

**Validate** the following criteria for the above one

* **Name**: It can contain only alphabets and spaces. It should not start or end with a space. It can’t contain only spaces and must have a maximum 100 chars.
* **Description:** Must be within 500 characters.
* **Price:** Minimum 200
* **Stock:** Minimum 10
  + **Image:** png/jpeg format
* able to update stocks of products. **Validate** the criteria - **Stock:** Minimum 10
* able to view orders placed on their products
* able to accept the orders and manage it.

**Acceptance criteria:**

* He should be able to change the status of the order to
  + Order Placed
  + Packing
  + Dispatched
  + Delivered

Account Removal of buyer

Buyer should be able remove their account from the application by making their account inactive.

Account Removal of Seller

Seller should be able to remove their account from application. **Validate** that the seller is a registered one and the account state must be made inactive, disable all the products from the seller.

As a visitor

* Must be able to browse through the available products.
  + Search Products based on category of the product and based on Product name

User stories are to be developed for the above functionalities. A format is as :

|  |  |  |
| --- | --- | --- |
| **Use Story ID** | **User Story Name** | **Actor** |
| US02 | Seller Registration | Visitor |
| As a visitor, I should be able to “Register” to the application as a seller by providing my credentials | | |
| **Acceptance criteria:**  **Validate** the format of name, email-id, contact number and password entered by the visitor.   * **Name**: It can contain only alphabets and spaces. It should not start or end with a space. It can’t contain only spaces. * **Email Id**: The email-id should be of the following format: [example@exm.com](mailto:example@exm.com) * **Contact number**: It should be a valid Indian mobile number. It can contain only digits and length should be 10. **Example**: 7541834534 * **Password**: It should be 7 to 20 characters in length (both inclusive). It should contain at least one uppercase, at least one lowercase, at least one digit. It should also contain a special character amongst -! @, #, $, %, ^, &, \* * **User Type:** Seller * It should be verified from the database that the contact number provided by the visitor is available. The contact number entered by this new user, should not be already in use by other users of the application. | | |
| **Exception:**  Existing user cannot register. [ Make sure email and contact number is unique ] | | |

**Note** : Kindly handle required exceptions for each functionalities with appropriate display messages.