**1.Creating an account:**

1.1) The system should allow customers to create an account by clicking ‘Sign up’ button.

1.2) The system should allow customers to enter their personal info like name shipping address, mail and phone number.

1.3) The system should send a verification mail or message to user to confirm the customer.

* 1. System should allow users to edit their personal informations.

**2.Viewing product list:**

2.1) The system should show all the products list with their fabric features, sizes, images, availability in the stock and their prices.

2.2) Customers can search the specific product she/he wants on the searching bar.

2.3) Customers can view the products in detailed and compare with the others.

2.4) System should display all similar products on the customer page.

**3.Adding item to the cart:**

3.1) The system should allow users to add the products to their cart by clicking ‘Add to Cart’ button.

3.2) System should add the products to the cart if the selected item is available.

3.3) System should alert the customers if the item is not available stock and send ‘The item is not available.’ message.

3.4) System allow users to edit their cart.

**4.Payment process:**

4.1) The system should direct customers to the payment process.

4.2) The system should calculate all the items’ prices in the cart.

4.3) The system should show all the purchases details as shipping addresses, taxes, total costs.

4.4) Customers should enter their credit/debit card info.

4.5) The system should approve the card information and the validity.

4.6) The system should continue the payment process if the card is endorsed.

4.7) The system should notify the customers of the payment is successful or not.

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| **Data** | **Description** | **Incoming Format** | **Recorded Format** |
| CustomerID | Individual identifier for each customers. | System-generated | String |
| SignUp | Users can create an account for the website. | User-input | String |
| Mail | User’s mail address. | User input | String |
| Name | User’s name and surname. | User input | String |
| Address | User’s home address. | User input | String |
| VerificationCondition | Status of showing whether the customer has confirmed through their mail or phone. | System-generated | BIT |
| ProfileEdit | Indicator of whether the user has updated their personal information. | User-update | Timestamp |
| ProductID | Individual identifier for each products. | System-generated | String |
| ProductName | Name of the product. | Seller-input | String |
| FabricFeature | Details of the product fabric. | Seller-input | String |
| Sizes | Size of the product. | Seller-input | String |
| Price | Price of the product. | Seller-input | Decimal |
| StockAvailability | Indicator of whether the item is in stock. | System-update | Integer |
| TabSearch | Users can search what they want. | User input | String |
| SimilarProducts | System shows the related products based on the user’s likes. | System-generated | Array |

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| --- | --- | --- | --- |
| CartID | Individual identifier for each cart. | System-generated | String |
| AddtoCart | Users can add any items in their cart. | User-input | String |
| StockValidationCondition | Status indicating whether the item is available in stock. | System-generated | BIT |
| ItemAvailability | System sends a message to users if the item is not in the stock. | System-generated | String |
| EditingCart | System allows users to change or add new items to the cart. | User-update | Timestamp |
| OrderID | Individual identifier for each order. | System-generated | String |
| ShippingAddress | Location where the order is shipping. | User-input | String |
| PaymentID | Individual identifier for the payment transaction. | Payment system-generated | String |
| TotalOrder | Calculating all the orders in the cart. | System-calculated | Decimal |
| CardNumber | Customers credit/debit card informations. | User input | Varchar |
| ApprovedCard | Shows the card is available to use for shopping. | Payment system-generated | BIT |
| PaymentConfirmation | System sends a message or mail to users to inform the order is successful or not. | Payment system-action | String |