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**4. Software Design/ Diagrams**

**4.1.1 User Scenarios**

**4.1.1.1 User Scenarios List**

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| --- | --- | --- |
| **Nr** | **Name** | **Description** |
| **US\_01** | User logs in |  |
| **US\_02** | User changes password |  |
| **US\_03** | Edit profile details |  |
| **US\_04** | Create a new administrator |  |
| **US\_05** | Administrators’ List |  |
| **US\_06** | Create a new category |  |
| **US\_07** | Categories’ List |  |
| **US\_08** | Update a category |  |
| **US\_09** | Delete a category\ |  |
| **US\_10** | Create a new product |  |
| **US\_11** | Products’ List |  |
| **US\_12** | Change product’s status |  |
| **US\_13** | Delete a product |  |
| **US\_14** | Orders’ List |  |
| **US\_15** | Update an order | Administrator can update information of a specific order made by a customer |
| **US\_16** | Delete an order | Administrator can delete a specific order made by a customer if needed for various reasons |
| **US\_17** | View feedback | Administrator can view the feedbacks left by the customers of the website, and filter them by options |
| **US\_18** | Update product’s price | Supplier can update the product’s price of a specific product that they supply |
| **US\_19** | Update product’s quantity | Supplier can update the product’s quantity of a specific product that they supply |
| **US\_20** | View product’s details | Customer can view the respective information about any of the product they select in the “Shop” page |
| **US\_21** | Add item to card | Customer can add product items from the “Shop” page in their basket/card |
| **US\_22** | Delete item from card | Customer can remove product items directly from their basket/card |
| **US\_23** | Update product’s quantity in card. | Customer can update product’s quantity directly from their basket/card |
| **US\_24** | Make an order | Customer can buy products by checking out their basket, and filling out the billing and payment information |
| **US\_25** | View transactions history | Customer can view the information about their current order and previous orders (if made), in their profile |
| **US\_26** | Contact | Customer can contact on the website by email, phone number or by sending a message form providing their details |
| **US\_27** | Leave feedback | Customer can leave feedback about the overall services and offers of the website by filling out a specific form in the website “Feedbacks” page |
| **US\_28** | User logs out | Administrator, supplier and customer log out from their accounts |

**4.1.1.2 User Scenarios Extended**

US\_15 Update an order

1. Administrator follows the steps in **US\_14**.
2. Administrator clicks the button “Update” for the specific order.
3. A dropdown menu in the form filled with current status of the order is shown.
4. Administrator makes the necessary changes.
5. Administrator double checks if the data entered is correct.
6. Administrator clicks the button “Update”.
7. System validates data according to the specified requirements.
8. If validation is passed successfully, the new data is saved in the database and is shown the “orders” sub-panel for the current order. The administrator is redirected to the “orders” page.
9. If validation is not passed successfully, the old data continues to show in “orders” sub-panel for the current order.

US\_16 Delete an order

1. Administrator follows the steps in **US\_14**.
2. Administrator clicks the button “Delete” for the specific order.
3. The order is deleted immediately and the respective change is reflected in the database and the order is no longer visible in the Orders’ list.

US\_17 View feedback

1. Administrator logs in following the steps in **US\_01** and directs in their home page.
2. Administrator redirects in the “Feedbacks” sub-panel and views the list.
3. Administrator chooses one of the given options (bad, good, very good, or other).
4. Administrator views filtered feedback.

US\_18 Update product’s price

1. Supplier follows the steps in **US\_11** for “supplier”.
2. Supplier clicks the button “Update Price” for the specific product.
3. A form is shown with an input field.
4. Supplier makes the necessary changes.
5. Supplier double checks if the data entered is correct.
6. Supplier clicks the button “Update Price”.
7. System validates data according to the specified requirements.
8. If validation is passed successfully, the data is saved in the database. An informative message “Price updated successfully!” will be shown and the supplier is redirected to the products page.
9. If validation is not passed successfully, informative messages will show that there’s a problem, so the supplier can fix it and continue again from step f.

US\_19 Update product’s quantity

1. Supplier follows the steps in **US\_11** for “supplier”.
2. Supplier clicks the button “Update Quantity” for the specific product.
3. A form is shown with an input field.
4. Supplier makes the necessary changes.
5. Supplier double checks if the data entered is correct.
6. Supplier clicks the button “Update Quantity”.
7. System validates data according to the specified requirements.
8. If validation is passed successfully, the data is saved in the database. An informative message “The quantity updated successfully!” will be shown and the supplier is redirected to the products page.
9. If validation is not passed successfully, informative messages will show that there’s a problem, so the supplier can fix it and continue again from step f.

US\_20 View product’s details

1. Customer logs in following the steps in **US\_01**, and directs in the website’s main page.
2. Customer redirects in the “Shop” page.
3. Customer chooses a specific category.
4. Customer chooses a specific product and view its information: overview, picture and price.

US\_21 Add item to card

1. Customer follows the steps in **US\_20**.
2. Customer adds this product to their card by clicking “Add to card” button.
3. An informative message is displayed “Product added to card”.
4. Customer repeats c, d and e steps for several products in different/same category.

US\_22 Delete item from card

1. Customer follows steps in **US\_21**.
2. Customer views their card.
3. Customer may remove any of the products from their card by clicking the “Delete” button.
4. An informative message is displayed “Product deleted successfully”.

US\_23 Update product’s quantity in card.

1. Customer follows the steps in **US\_21**.
2. The current quantity of the specific product is shown in its text field. Customer may change this quantity by clicking the “Update” button.
3. An informative message is displayed “Done”.

US\_24 Make an order

1. Customer follows the steps in **US\_21**.
2. Customer may do necessary changes in their card by following the **d** step in **US\_22** or **US\_23**.
3. Customer clicks the “Checkout” button.
4. Customer redirects in the “checkout” page and fulfills their billing details and card information. Customer may choose to pay via PayPal or by their card.
5. System validates data according to the specified requirements.
6. If validation is passed successfully, the data is saved in the database. An informative message “You can check your order now!” will be shown and a button to redirect to the home page is shown.
7. If validation is not passed successfully, informative messages will show where the problem is, so the customer can fix it and continue again from step d.

US\_25 View transactions history

1. Customer makes one/several orders following the steps in **US\_24**.
2. Customer clicks their “username” in the navigation bar.
3. A dropdown menu is shown and the user chooses “Transactions History” from that list.
4. The history of his orders will be shown in the respective page with the following fields of information: Name, Date, Total Price in USD, Status.

US\_26 Contact

1. Customer logs in following the steps in **US\_01** and directs in the website’s main page.
2. Customer may go to any of the website’s page’s footer.
3. Customer may contact by call, email or the customer clicks the contact link that redirects to the “Contact” page.
4. Customer contacts by call/email in the respective “phone” or “mail” platforms. Otherwise, customer contacts by filling out the form in the “Contact” page.
5. System validates data according to the specified requirements for the contact form.
6. If validation is passed successfully, the data is saved in the database. The contact page refreshes.
7. If validation is not passed successfully, informative messages in respective fields will show that there’s a problem, so the customer can fix it and continue again from step d.

US\_27 Leave feedback

1. Customer logs in following the steps in **US\_01** and directs in the website’s main page**.**
2. Customer redirects to the “Feedbacks” page.
3. Customer will complete a form with several questions about the website.
4. Customer clicks “Leave feedback” button.
5. Alert: Are you sure you want to leave feedback? YES/ NO.
6. If NO, do nothing, we stay at the same page.
7. If YES, the feedback will be saved in the database and will be shown in the admin’s “Feedbacks” sub-panel.

US\_28 User logs out

1. User logs in following the steps in **US\_01**, and directs in the website’s main page.
2. User follows some of the scenarios listed above.
3. User clicks their “username” in the navigation bar.
4. A dropdown menu is shown and the user chooses “Log out” from that list.
5. User will be logged out from the system and he will be redirected to the main page of the website (index page).
6. User logs in (ALL)
7. Edit Password (ALL)
8. Edit product’s quantity (SUPPLIER)
9. Edit product’s price (SUPPLIER)
10. Create a new admin user (ADMIN)
11. Create a new category (ADMIN)
12. Create a new product (ADMIN)
13. Delete a category (ADMIN)
14. Delete a product (ADMIN)
15. Delete an order (ADMIN)
16. Products’ List (ADMIN, CUSTOMER, SUPPLIER)
17. Admins’ List (ADMIN)
18. Categories’ List (ADMIN, CUSTOMER)
19. Orders’ List (ADMIN)
20. Edit a category (ADMIN)
21. Edit a product (ADMIN, SUPPLIER)
22. Edit an order (ADMIN)
23. View feedback (ADMIN)
24. Contact Admin (CUSTOMER)
25. Leave feedback (CUSTOMER)
26. Edit their personal details (CUSTOMER)
27. User makes an order (CUSTOMER)
28. Add products to card (CUSTOMER)
29. Delete item from card (CUSTOMER)
30. View transactions history (CUSTOMER)
31. Update product’s quantity in card (CUSTOMER)
32. View product’s details (CUSTOMER)
33. User logs out (ALL)