**Four Seasons Shop Management System**

**Usecase Realization – Specification**

**Version: 1.0**

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Usecase Realization Specification

1. **Actor: Administrator**

***1.1. Sign up account***

|  |  |
| --- | --- |
| **Use case** | Sign-in Account |
| **Description** | Users sign-in the website |
| **Actors** | Users (Customer, Admin) |
| **Triggers** | User want to have an account the website |
| **Pre-Conditions** | User has reality email, name and true password |
| **Post-Conditions** | Sign-in board appears in the screen |
| **Main Event Flow** | * User choose the sign-up button * Enter account name, password, phone number * Check password again * Press sign-in button |
| **Alternative Event Flow** |  |
| **Extension points** | If the information of user isn’t reliable, show the notice and sign-in again |
| **Special Requirements** | Having reliable information. |

***1.2. Login account***

|  |  |
| --- | --- |
| **Use case** | Login Account |
| **Description** | Users login the website by their account |
| **Actors** | Users (Customer, Admin) |
| **Triggers** | User want to enter the website to buy clothes |
| **Pre-Conditions** | User has accessed to the system |
| **Post-Conditions** | Login board appears in the screen |
| **Main Event Flow** | * User enter the website * Choose items and check out * User enter name and password * Use click login button |
| **Alternative Event Flow** |  |
| **Extension points** | If is the unsafe password, show the notice. |
| **Special Requirements** | Having legal account |

***1.3. Log out account***

|  |  |
| --- | --- |
| **Use case** | Log-out Account |
| **Description** | Users log-out the website by their account |
| **Actors** | Users (Customer, Admin) |
| **Triggers** | User want to exit the website |
| **Pre-Conditions** | User has accessed and login account successfully to the system |
| **Post-Conditions** | Log-out board appears in the screen |
| **Main Event Flow** | * User choose the log-out button * Press enter log-out |
| **Alternative Event Flow** |  |
| **Extension points** |  |
| **Special Requirements** | Having legal and login account |

***1.4. Edit Product***

|  |  |
| --- | --- |
| **Use case** | Edit Product |
| **Description** | Admin edits information of an available product |
| **Actors** | Admins |
| **Triggers** | Admins want to edit information of an available product to satisfy current product condition |
| **Pre-Conditions** | User login with an admin account and come to admin page |
| **Post-Conditions** | Information of an available product will be edited in products list on admin page as well as on customer pages and updated in database |
| **Main Event Flow** | * Admin is in the admin page * Admin clicks “Manage product” button in the navigation sidebar * Admin clicks Edit button in row of product he/she want to edit * Admin inputs product information and click save |
| **Alternative Event Flow** | None |
| **Extension points** | No keyword matched |
| **Special Requirements** | Input values must satisfy the constrains of corresponding attributes |

***1.5. Create Product***

|  |  |
| --- | --- |
| **Use case** | Create Product |
| **Description** | Admin inputs information of a new product and adds this product into product list |
| **Actors** | Admins |
| **Triggers** | Admins want to add new products to the shop's business directory |
| **Pre-Conditions** | User login with an admin account and come to admin page |
| **Post-Conditions** | New product will be insert to database and be displayed in products list on admin page as well as on customer pages. |
| **Main Event Flow** | * Admin is in the admin page * Admin clicks “Manage product” button in the navigation sidebar * Admin clicks “Add new product” in manage product page * Admin inputs product information and click save |
| **Alternative Event Flow** | None |
| **Extension points** | No keyword matched |
| **Special Requirements** | Input values must satisfy the constrains of corresponding attributes |

***1.6 Delete Product***

|  |  |
| --- | --- |
| **Use case** | Delete Product |
| **Description** | Admin deletes a product from product list |
| **Actors** | Admins |
| **Triggers** | Admins want to delete a product from the shop's business directory |
| **Pre-Conditions** | User login with an admin account and come to admin page |
| **Post-Conditions** | A product will be deleted from database and from products list on admin page as well as on customer pages. |
| **Main Event Flow** | * Admin is in the admin page * Admin clicks “Manage product” button in the navigation sidebar * Admin clicks Delete button in the raw of product he/she want to delete * In alert dialog, Admin click “Yes” to delete or “Cancel” to cancel delete |
| **Alternative Event Flow** | None |
| **Extension points** | No keyword matched |
| **Special Requirements** | None |

1. **Actor: User** 
   1. ***Log In***

|  |  |
| --- | --- |
| **Use case** | Login Account |
| **Description** | Users login the website by their account |
| **Actors** | Users (Customer, Admin) |
| **Triggers** | User want to enter the website to buy clothes |
| **Pre-Conditions** | User has accessed to the system |
| **Post-Conditions** | Login board appears in the screen |
| **Main Event Flow** | * User enter the website * Choose items and check out * User enter name and password * Use click login button |
| **Alternative Event Flow** |  |
| **Extension points** | If is the unsafe password, show the notice. |
| **Special Requirements** | Having legal account |

***2.2. Log Out***

|  |  |
| --- | --- |
| **Use case** | Log-out Account |
| **Description** | Users log-out the website by their account |
| **Actors** | Users (Customer, Admin) |
| **Triggers** | User want to exit the website |
| **Pre-Conditions** | User has accessed and login account successfully to the system |
| **Post-Conditions** | Log-out board appears in the screen |
| **Main Event Flow** | * User choose the log-out button * Press enter log-out |
| **Alternative Event Flow** |  |
| **Extension points** |  |
| **Special Requirements** | Having legal and login account |

***2.3. Sign Up***

|  |  |
| --- | --- |
| **Use case** | Sign-up Account |
| **Description** | Users sign-in the website |
| **Actors** | Users (Customer, Admin) |
| **Triggers** | User want to have an account the website |
| **Pre-Conditions** | User has reality email, name and true password |
| **Post-Conditions** | Sign-in board appears in the screen |
| **Main Event Flow** | * User choose the sign-up button * Enter account name, password, phone number * Check password again * Press sign-in button |
| **Alternative Event Flow** |  |
| **Extension points** | If the information of user isn’t reliable, show the notice and sign-in again |
| **Special Requirements** | Having reliable information. |

***2.4. Place Order***

|  |  |
| --- | --- |
| **Use case** | Place Order |
| **Description** | Customer orders products by filling in order form and clicking order button |
| **Actors** | Customer |
| **Triggers** | Customer want to buy the products |
| **Pre-Conditions** | Products have added to shopping cart |
| **Post-Conditions** | Orders are sent to the shop owner |
| **Main Event Flow** | * Customer goes to view shopping cart * Customer chooses products that they want to buy * Customer clicks on order button * Customer completes order form * Customer clicks Send order button |
| **Alternative Event Flow** | None |
| **Extension points** | Customer checks the order again after having sent the order. |
| **Special Requirements** | Accuracy is required when filling in the order form in order to save time and effort. |

***2.5. Search Product***

|  |  |
| --- | --- |
| **Use case** | Search Product |
| **Description** | Users search products by entering keywords |
| **Actors** | Users (Customer, Guest, Admin) |
| **Triggers** | User want to search for desired or related products |
| **Pre-Conditions** | User has accessed to the system |
| **Post-Conditions** | Searched products will be displayed on the interface if the keyword is matched |
| **Main Event Flow** | * User is in the shop’s homepage * User enter product’s keyword * Use click search button * List of related products is displayed |
| **Alternative Event Flow** | User can search product by using drop down categories menu |
| **Extension points** | No keyword matched |
| **Special Requirements** | Keyword-related products are sorted in order of best matches |

***2.6 Add to cart***

|  |  |
| --- | --- |
| **Use case** | Add to Cart |
| **Description** | User adds products that they want to buy into the shopping cart |
| **Actors** | Customer |
| **Triggers** | Customer selects desired item |
| **Pre-Conditions** | User has logged in the system as a customer |
| **Post-Conditions** | Products are successfully added to shopping cart |
| **Main Event Flow** | * User logs in the system as a customer * Customer chooses desired product * Customer select features and quantity of the product * Customer click Add to cart button * Products are displayed in shopping cart list |
| **Alternative Event Flow** | None |
| **Extension points** | User has not logged in |
| **Special Requirements** | User has basic knowledge of operating computer and user interface |