**Use Case Document**

**Project:-Online Shopping Management System**

**Batch 3(.net)**

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# Introduction

The Online Shopping Management System is a comprehensive web application designed to facilitate efficient and user-friendly online shopping experiences. This documentation provides an overview of the system, its features, and its architecture. The Online Shopping Management System aims to streamline the entire process of online shopping, from product selection to order placement and fulfillment. It serves as a centralized platform that connects customers, merchants, and administrators, offering a seamless and secure shopping environment.

People in large number are doing online shopping today, and it is not only because it is convenient as one can shop from home, but also because there is a number of varieties available, with a high competition of prices, and also it is easy to navigate for searching regarding any particular item.For sellers, their product has access to the World-Wide market, which also increases the number of customers and enhances customer relationships. Also, web stores are a means for small-scale companies to launch their products at the global level. The main objective of this project is to develop a web-oriented application that can provide an online shopping feature to users.

The Online Shopping Management System is a web application that provides a platform for users to engage in online shopping activities.The system offers a range of features for both administrators and users, enabling efficient product management and enhancing the user experience.

Administrators have the capability to perform CRUD operations (Create, Read, Update, Delete) on product details. This allows them to add new products to the system, view existing product information, update product details such as price or description, and remove products from the database. These functionalities provide administrators with complete control over the products available for users to browse and purchase.

Users, on the other hand, can access the application to view the available products. They can browse through the product catalog, gaining insights into the features, specifications, and pricing. Users also have the ability to add desired products to their shopping cart, allowing them to collect multiple items for purchase in a single transaction. Furthermore, users can remove products from the cart if they change their mind or wish to modify their selection.

In addition to shopping functionalities, users are provided with the option to rate the products they have purchased or interacted with. This feature allows users to provide valuable feedback and ontribute to the overall product rating system. By sharing their experiences and opinions, users can help fellow shoppers make informed decisions and improve the overall quality of the online shopping experience.

The Online Shopping Management System offers a convenient and user-friendly platform that empowers both administrators and users. With its product management capabilities, users can access a wide range of products, add them to their cart, and rate them based on their satisfaction. By leveraging these features, the application aims to enhance the overall online shopping experience for users and streamline the management of product information for administrators.

**Use Case.1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | | **Registration** | | |
| **Created By:** | |  | **Last Updated By:** |  |
| **Date Created:** | | 24/06/23 | **Last Revision Date:** | 24/06/23 |
| **Description:** | The use case begins when the actor indicates the intent to register to the system. It ends when the actor is a register or cancels registration. | | | |
| **Actors:** | User | | | |
| **Preconditions:** | Login exists. | | | |
| **Postconditions:** | The actor register successfully. | | | |
| **Flow:** | User select the register option and give the details. | | | |
| **Alternative Flows:** | None | | | |

**Use Case.2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | | **Administration/User Login** | | |
| **Created By:** | |  | **Last Updated By:** |  |
| **Date Created:** | | 24/06/23 | **Last Revision Date:** | 24/06/23 |
| **Description:** | The use case begins when the actor indicates the intent to login to the system. It ends when the actor is log in or cancels login. | | | |
| **Actors:** | Administrator/User | | | |
| **Preconditions:** | The login exists | | | |
| **Postconditions:** | The actor logged successfully | | | |
| **Flow:** | Admin/User select the login option and give the login credentials. | | | |
| **Alternative Flows:** | None | | | |

**Use Case.3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | **Manage the categories** | | | |
| **Created By:** |  | | **Last Updated By:** |  |
| **Date Created:** | 24/06/23 | | **Last Revision Date:** | 24/06/23 |
| **Description:** | | The use case begins when the actor indicates the intent to view, update, add or delete Categories record. It ends when the actor closes the Category form. | | |
| **Actors:** | | Admin | | |
| **Preconditions:** | | Administrator logged into the system | | |
| **Postconditions:** | | The Categories record is added, deleted or updated | | |
| **Flow:** | | 1.Admin select the Add/delete/Update/view category detail option.  2.Admin provides necessary category details and it will be update/delete when required.  3.The system add/delete/update category details to the database. | | |
| **Alternative Flows:** | | None | | |

**Use Case.4**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | | **Manage the products** | | |
| **Created By:** | |  | **Last Updated By:** |  |
| **Date Created:** | | 24/06/23 | **Last Revision Date:** | 24/06/23 |
| **Description:** | The use case begins when the actor indicates the intent to add, update, delete item is a record. Product can be searched. | | | |
| **Actors:** | Admin | | | |
| **Preconditions:** | Administrator logged in to the system. | | | |
| **Postconditions:** | The item’s record is added,updated,deleted. | | | |
| **Flow:** | 1.Admin select the Add/delete/Update product detail option.  2.Admin provides necessary product details and it will be update/delete when required.  3.The system add/delete/update product details to the database. | | | |

**Use Case.5**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | **View product details** | | | |
| **Created By:** |  | | **Last Updated By:** |  |
| **Date Created:** | 24/06/23 | | **Last Revision Date:** | 24/06/23 |
| **Description:** | | The use case begins when the actor indicates the intent to view product details | | |
| **Actors:** | | Admin/User | | |
| **Preconditions:** | | Admin/User is logged into the system. | | |
| **Postconditions:** | | View the product details in the system. | | |
| **Flow:** | | Admin/User selects the view product detail option. | | |
| **Alternative Flows:** | | None | | |

**Use Case.6**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | | **Manage cart** | | |
| **Created By:** | |  | **Last Updated By:** |  |
| **Date Created:** | | 24/06/23 | **Last Revision Date:** | 24/06/23 |
| **Description:** | The use case begins when the actor indicates the intent to add items into the cart and delete the product from cart. It ends when the actor enters the next. | | | |
| **Actors:** | User | | | |
| **Preconditions:** | User is logged into the system. | | | |
| **Postconditions:** | The Cart record is added or deleted. | | | |
| **Flow:** | User select the add to cart option for the selected product. | | | |
| **Alternative Flows:** | None | | | |

**Use Case.7**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | | **Place order** | | |
| **Created By:** | |  | **Last Updated By:** |  |
| **Date Created:** | | 24/06/23 | **Last Revision Date:** | 24/06/23 |
| **Description:** | The use case begins when the actor indicates the intent to confirm the purchase of his selected items. | | | |
| **Actors:** | User | | | |
| **Preconditions:** | User is logged into the system. | | | |
| **Postconditions:** | Order details are successfully added to the system. | | | |
| **Flow:** | 1.User selects the “Cart” option.  2. User provides the necessary quantity, Product Order Address of the selected products and the Order number, Order Date, Order Status, Product number are also stored, and User select “Place Order” option.  3. The system validates the input data.  4. The system adds the Order details to the database. | | | |
| **Alternative Flows:** | None | | | |

**Use Case.8**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | | **Add review details** | | |
| **Created By:** | |  | **Last Updated By:** |  |
| **Date Created:** | | 24/06/23 | **Last Revision Date:** | 24/06/23 |
| **Description:** | The use case begins when the actor indicates the intent to rate the product. | | | |
| **Actors:** | User | | | |
| **Preconditions:** | User is logged in to the system. | | | |
| **Postconditions:** | Order details are deleted from the system. | | | |
| **Flow:** | 1. User selects the "Rate the Product"  2. User rates the product and adds feedback.  3. The system validates the input data.  4. The system adds the Order details to the database. | | | |
| **Alternative Flows:** | None | | | |