

ASSIGNMENT - 3

IDENTIFYING USECASES AND DEVELOPING USECASE DOCUMENT

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Actors:

1. Customer
2. Visitor
3. Administrator

Use Cases:

1. Manage Customer Database
2. Shipping order
3. Create account
4. Browse category
5. Add/Remove item from cart
6. Make Purchase
7. State reviews
8. Cancel order before shipping

Description of Use case diagram:

● **Customer:**

The customer is the end recipient of the service who creates or has a registered user account and uses the website to purchase products.

● **Visitor:**

A visitor is a guest who randomly scrolls through the website without a registered account. In this guest mode, a visitor cannot place orders. Hence, a registered account is a prerequisite.

● **Administrator:**

An administrator is an actor who takes care of all the backend technical processes like managing the website, handling customer database, taking care of placed orders and their shipment process.

● **Manage Customer Database:**

1. This use enables the administrator to handle the customer database. A customer database contains more sensitive information of the customers like their address, phone number, bank account details, debit/credit card details, saved passwords, etc.

2. Confidentiality and efficient handling of customer database are key requirements for any website.

- **Browse Category:**

This use case is when the customer or visitor uses the website to view the different categories of products available. Users can check whether a product is available or not.

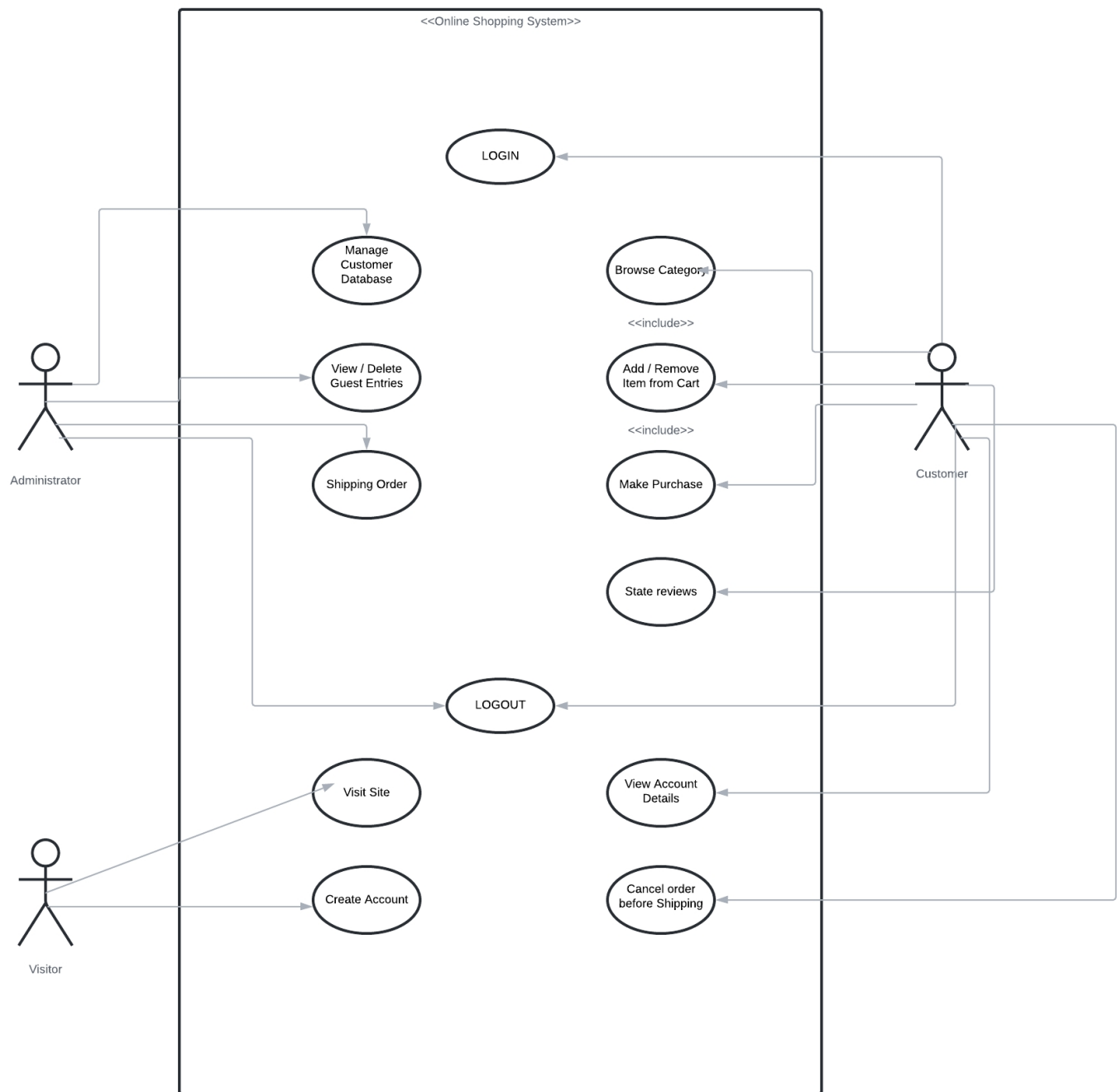
- **Make Purchase:**

This refers to when a customer makes a purchase from the store. The user should enter the mode of payment and enter their banking details, if necessary.

APPENDIX:

1. **Abstract use case:** Use case, which is inherited, by some use case is called as abstract use case.
2. **Concrete use case:** Use case, which is directly inherited by actor, is called as concrete use case.
3. **Recipient:** A person or thing that receives. In the online shopping system case, the recipient is the person who is receiving the services provided by the website.

USECASE MODEL:



Conclusion:

Use cases define the behavior provided by the system. They are the central theme for the entire development process. They play a major role in the various stages of the development process as follows:

- During requirements determination, they specify what the system should do from the user's point of view.
- During analysis and design, the use cases are realized in a design model. Use case realizations describe the interaction between various objects in the design model.
- During implementation, the design model becomes the implementation specification.
- During testing, the use cases are the basis for identifying test cases. The system is verified by performing each use case.
- As part of project management, they provide a basis for planning the iterations.