

## Practical No. 9

**Aim:** "Ecobase Printers" has been printing business cards for the last 20 years. The management wants to upgrade their system into a website to take orders online. The design templates with the design code, price per 100 cards, description and image of the template will be available for the user's choice. The user may select any of the template and name place order for the same. Before recording the order, customer's information, such as name, mailing address, email, and phone number should be recorded. For the order, customers can choose more than one template, the design code, matter to be printed, quantity should be recorded for each of the designs. Also a transaction record must be created for each order that records the payment details made by credit card.

For the above case study, draw

1. list the classes used

**Customer:** Represents the customer placing an order.

**Template:** Represents a design template available for customers to select.

**Order:** Represents a customer's order.

**OrderItem:** Represents an item in the order, which refers to a template and associated customer choices.

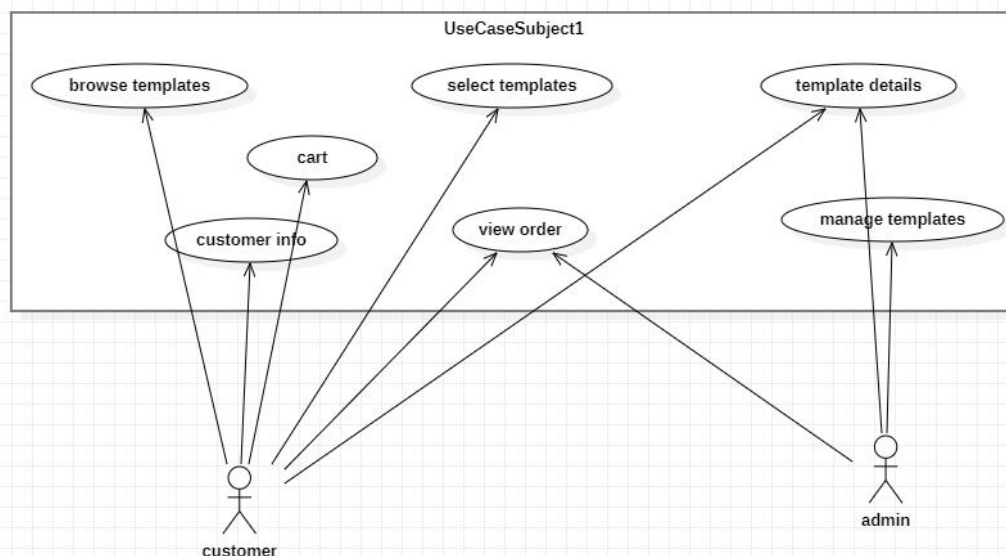
**Transaction:** Represents the financial transaction for the order (payment details).

**PaymentGateway:** Represents the system responsible for processing payments made by credit card.

**ShoppingCart:** Temporary container for the customer's selected items before they finalize the order.

**Admin:** Represents the administrator who manages templates and processes orders.

2. Use case diagram



## 2. Activity diagram

