FOREIGN TRADING SYSTEM

PROBLEM STATEMENT

- The steps involved in Foreign Trading System are:

- The trading system begins its process by getting the username and password from the trader.

- After the authorization permitted by the administrator, the trader is allowed to perform the sourcing to know about the commodity details.

- After the required commodities are chosen, the trader places the order.

- The administrator checks for the availability for the required commodities and updates it in the database.

- After the commodities are ready for the trade, the trader pays the amount to the administrator.

- The administrator in turn provides the bill by receiving the amount and updates it in the database.

- The trader logouts after the confirmation message has been received.

OVERALL DESCRIPTION

TRADER   : Person who trades for the commodities.
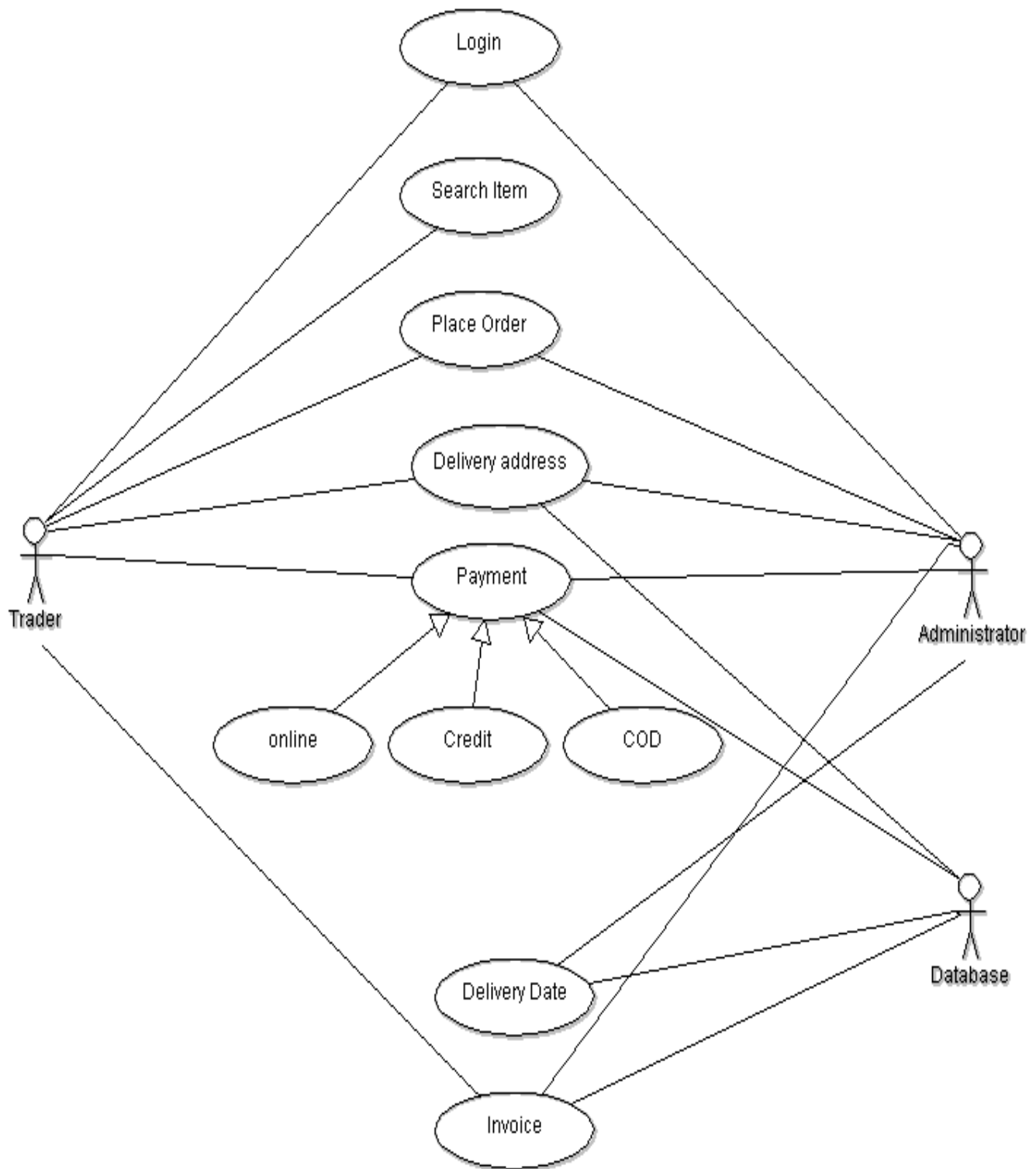
ADMINISTRATOR : One who coordinates the entire trading process.

DATABASE   : All the transaction details are stored here.

READER   : Person who is viewing the website.

USER   : The traders and the viewers are the users.

USE CASE DIAGRAM

The diagram contains the following use cases: Login, Search Item, Place Order, Delivery address, Payment, online, Credit, COD, Delivery Date, Invoice. The actors are Trader, Administrator, and Database.
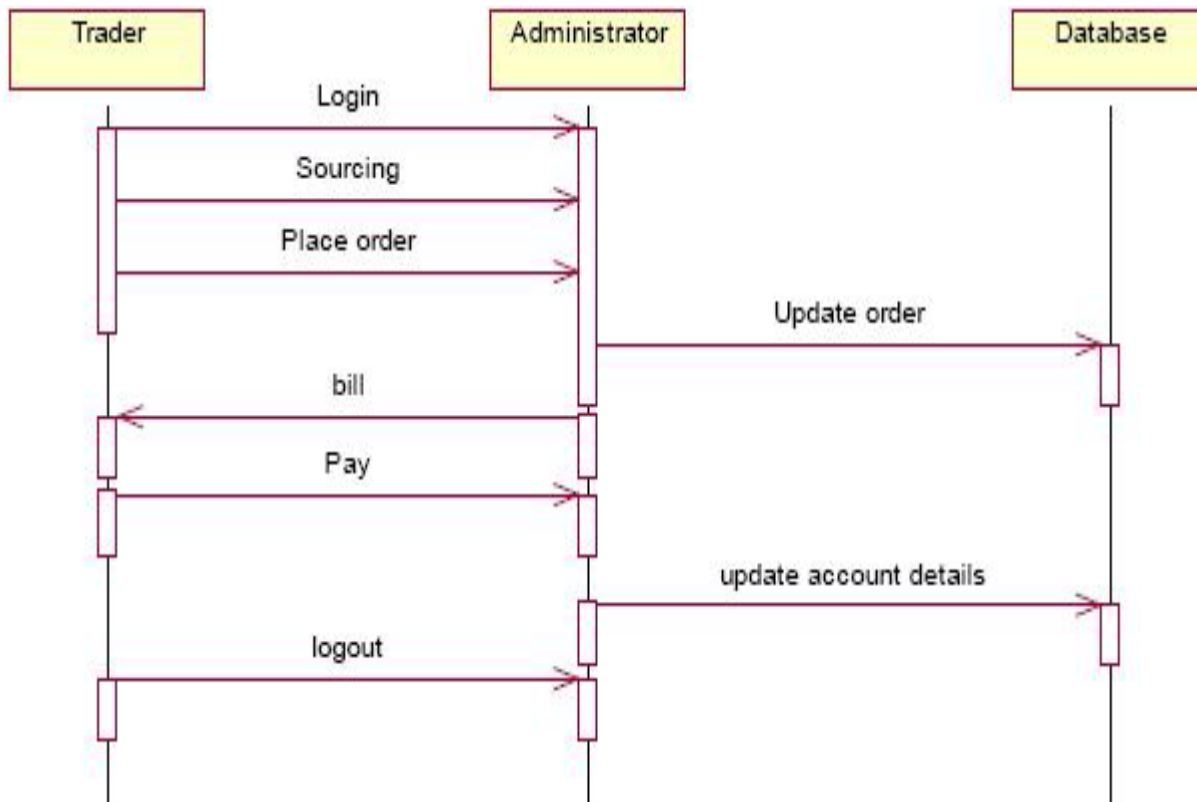
USE CASE DIAGRAM

CLASS DIAGRAM
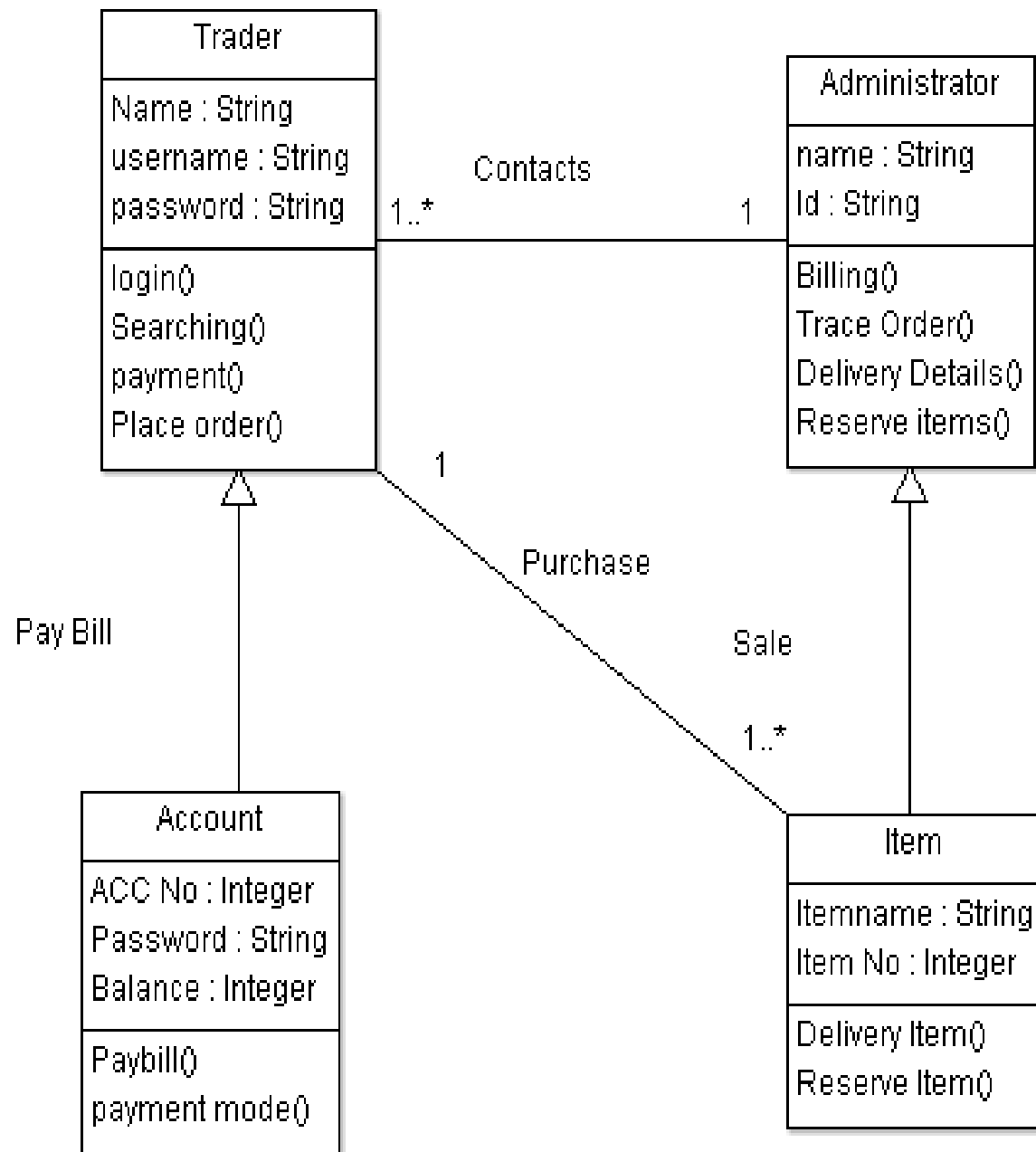
SEQUENCE DIAGRAM

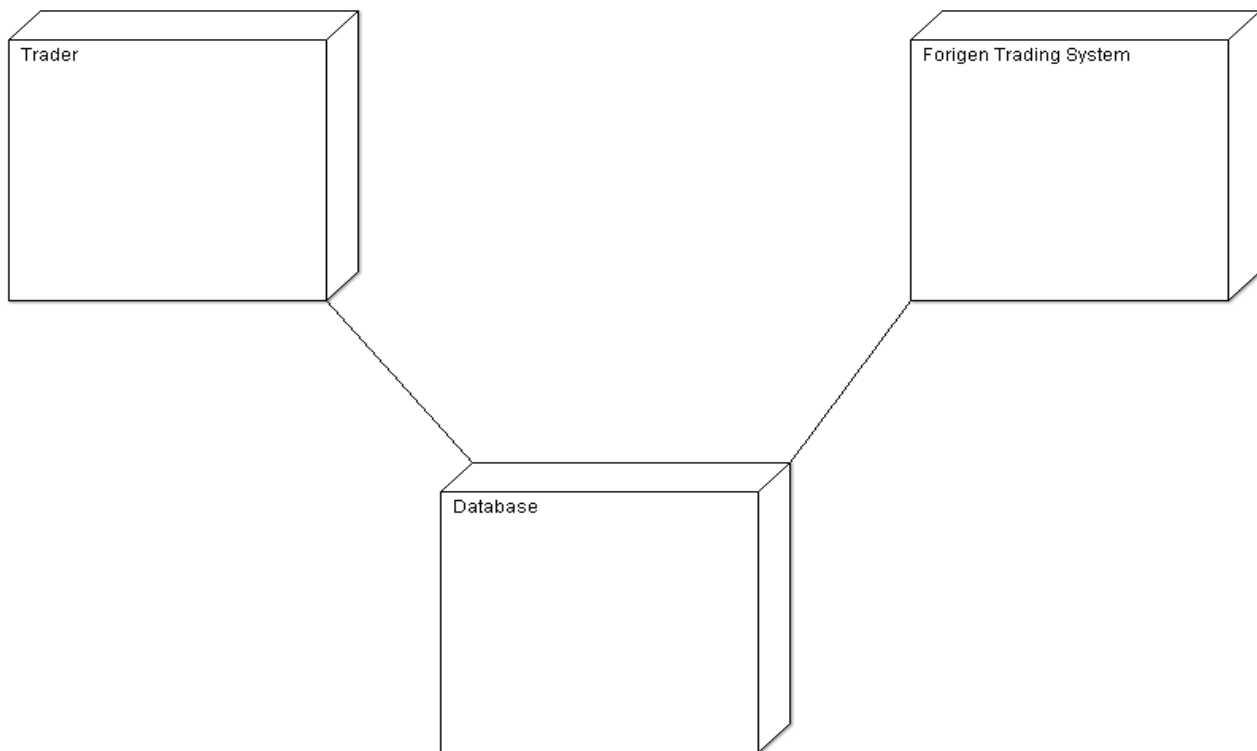**COLLABORATION DIAGRAM**

ACTIVITY DIAGRAM

```
                    ●
                    │
                    ▼
               ┌─────────┐
               │  LOgin  │
               └─────────┘
                    │
                    ▼
              ┌───────────┐
              │Search Item│
              └───────────┘
                    │
                    ▼
  Item Found     ◇         Item not found
   ┌─────────────╱ ╲──────────────────┐
   ▼                                   ▼
┌───────────┐                   ┌─────────────┐
│Place Order│                   │ Reserve Item│
└───────────┘                   └─────────────┘
   │                                   │
   ▼                                   │
┌───────────────┐                      │
│Delivery address│                     │
└───────────────┘                      │
   │                                   │
   ▼                                   │
┌───────────────┐                      │
│Payment Details│                      │
└───────────────┘                      │
   │                                   │
   └──────────────◇───────────────────┘
                  │
                  ▼
                  ◉
```

COMPONENT DIAGRAM

```
              ┌──────────────────────┐
              │ Forigen Trading System│
            ┌─┤                       │
            └─┤                       │
              └──────────────────────┘
               ╱                    ╲
              ╱                      ╲
┌──────────────────┐         ┌──────────────────┐
│     Trader       │         │   Administrator  │
├─┐                │       ┌─┤                  │
├─┘                │       ├─┘                  │
└──────────────────┘       └──────────────────┘
```

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DEPLOYMENT DIAGRAM

Trader

Forigen Trading System

Database
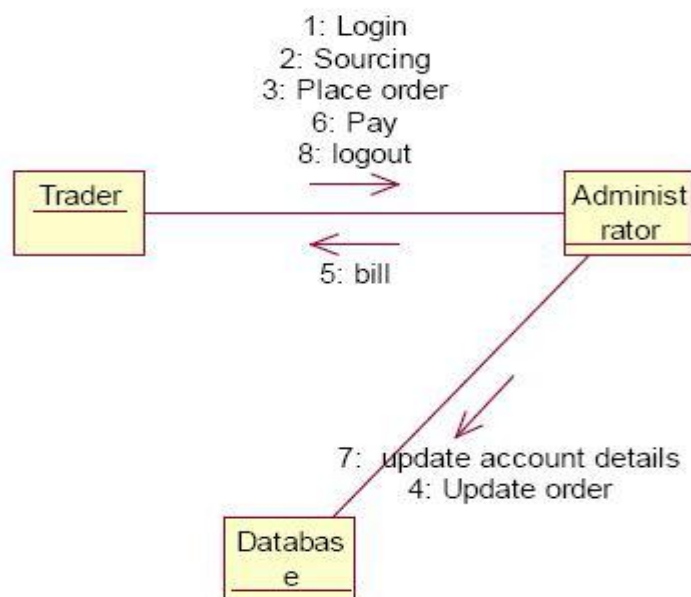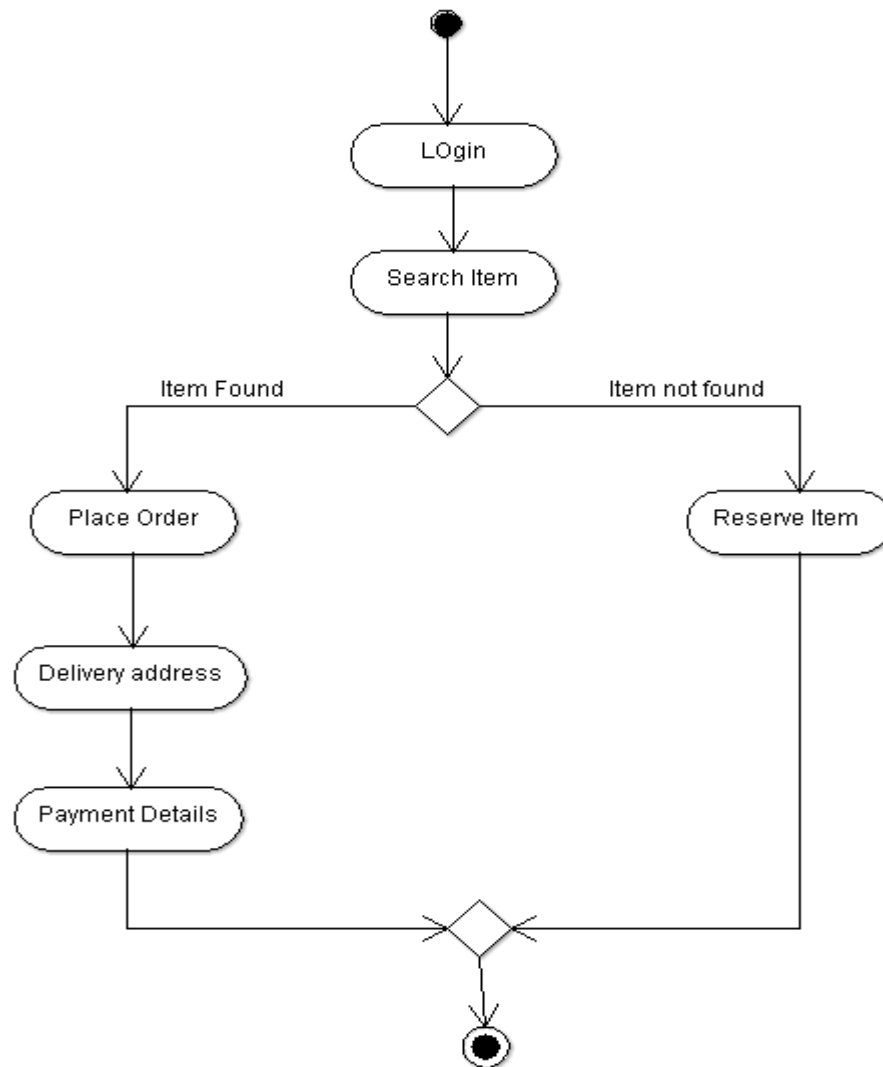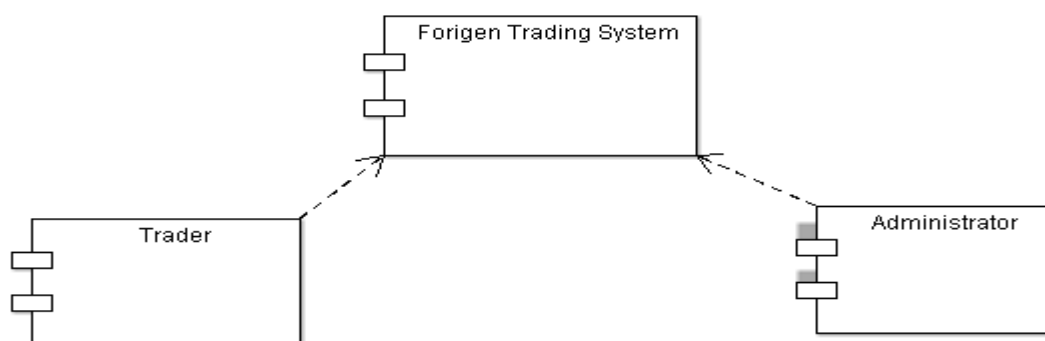
Result:

Thus the UML diagram for Foreign Treading System is drawn and code generated successfully.