

Experiment8

Auction Application Case Study

a) Use Case Diagram

The Use Case Diagram for an Auction application typically includes the following actors and use cases:

- **Actors:**
 - Buyer
 - Seller
 - Administrator
- **Use Cases:**
 - Register Account
 - Create Auction
 - Place Bid
 - View Auction Listings
 - End Auction
 - Make Payment
 - View Bidding History
 - Manage Users (for Administrator)

Here's a visual representation of the Use Case Diagram:

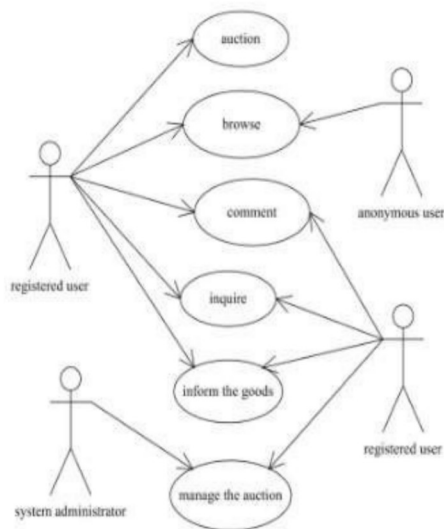
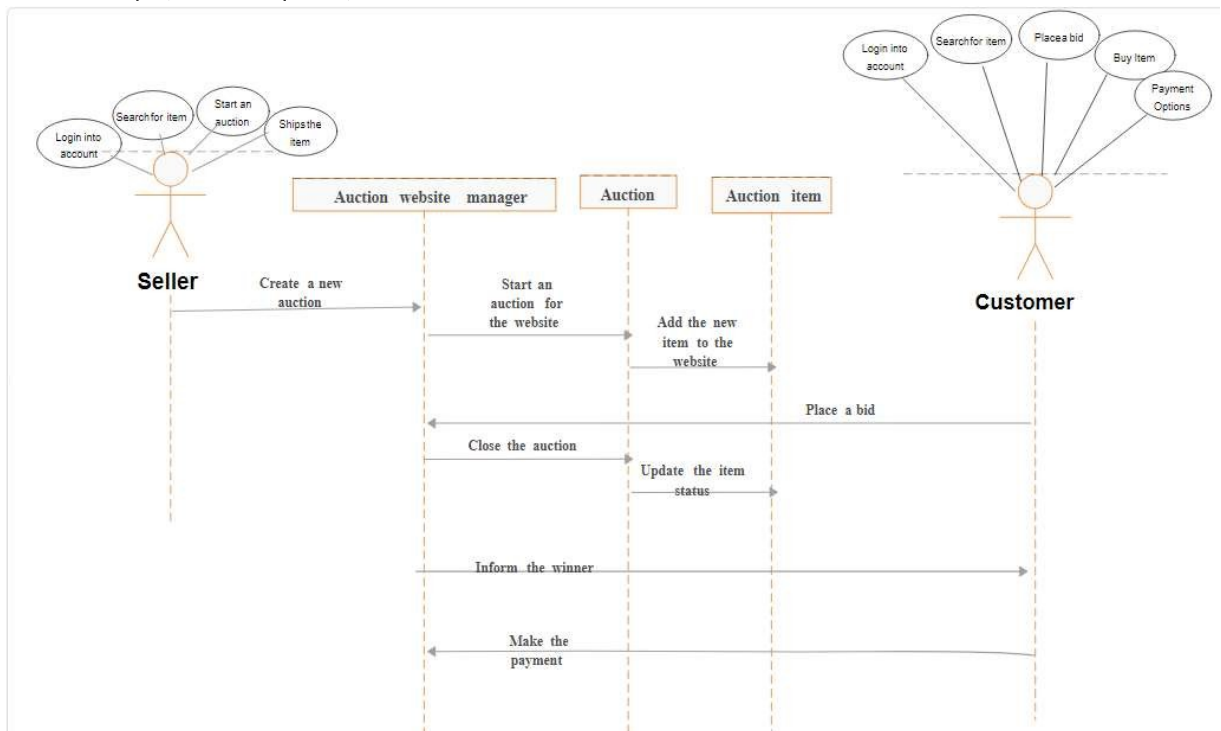


Figure 1. The use case diagram.

b) Sequence Diagram

For the **Place Bid** use case, the sequence diagram illustrates the interactions between the buyer, auction system, and bank server:



c) Activity Diagram

The Activity Diagram for the **Place Bid** use case outlines the flow of activities involved in the process:

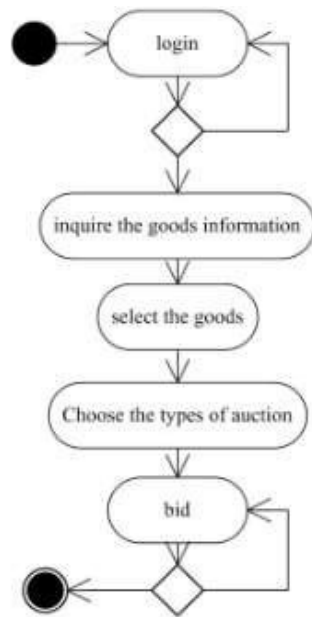


Figure 2. The auction activity diagram.