

Name (print):

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CSCI U516 Quiz 3

Use Java RMI to implement a seat reservation system.

- There are a server and many seat reservation clients in the system.
- A client can keep sending seat reservation requests to the server.
- Assume there are totally 25 seats numbered from 1 to 25.
- A client needs to be able to show all current available seats before asking a customer to choose a seat.
- Once a customer selects a seat, the client program sends a seat reservation request to the server. The request includes the customer's name. If the seat is still available, the server can complete the reservation. If the selected seat is not available any more, the server can reject the request. ***The server cannot assign the same seat to more than one customer.***
- The server needs to save all reservation information (the customers' name for reserved seats).

Hits: in order to solve race condition, synchronized method or block can be used.