

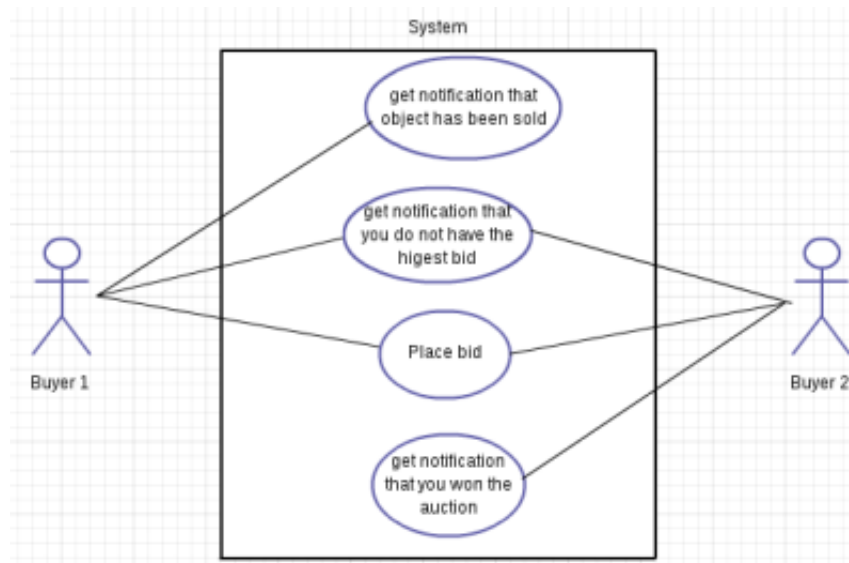
TDDC93 Exercises: Requirements

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March 14, 2015

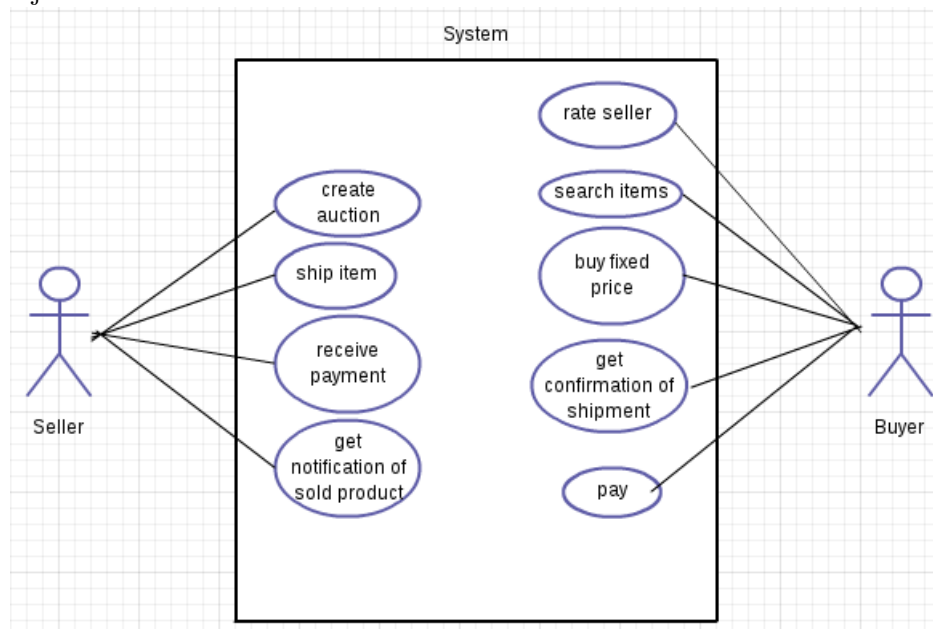
1 Requirements

- 1.a Write 2 different use cases with 3 different actors. Draw a use-case diagram for these use-cases and actors. Please remember that the texts for the use cases should not just describe a basic function of the system, such as login. Use standard-UML as shown in the lecture:



Description:

Buyer 1 finds an auction with an object that he wants to buy. He places a bid. The same happens to buyer 2 who places a higher bid. Buyer 1 gets a notification that he does not have the highest bid on the auction. He enters the auctions page again and places a bid that is higher. Now buyer 2 gets a notification. This can go on until the time of the auction runs out and by that time Buyer 2 had the highest bid and he gets a notification that he has won the auction. Buyer 1 gets a notification that the object has been sold to someone else.



Description:

The Seller creates an auction. The Buyer finds this auction by searching through the system and buys it for the fixed price and makes the payment. The Seller gets a notification that the object has been sold and ships it. The Buyer gets a notification

that the object has been shipped and when the object is received he can rate the Seller. Then the Seller receives payment.

1.b Write down 5 functional requirements of some part of the system:

- Buyers can bid on offerings
- Buyers can search using free-text
- Buyers can see the current top categories on the first page
- Buyers can rate sellers
- Buyers can pay using safe payments system

1.c Write down 5 non-functional requirements of the system:

- The system must cost less than 100000\$ to develop
- The system must be implemented using PHP
- The system must be safe against SQL-injection attacks
- The system must be able to handle 100000 users at the same time
- The system must be upgradable to handle a million users at the same time

1.d Create 5 user stories for some part of the system. Don't forget to describe which part you are writing about:

I'm writing about the part of the system which the buyers will use.

- I as a buyer would like to make safe payments so that nobody will get hold of my credit card information
- I as a buyer would like to search all products for sale using free-text so I can find what I am looking for.
- I as buyer would like to bid on auctions so I can buy objects.
- I as buyer would like to give sellers ratings so I can warn other buyers of bad sellers.
- I as a buyer would like to have all the functionality of the webpage in my cellphone so I can buy objects wherever I am.