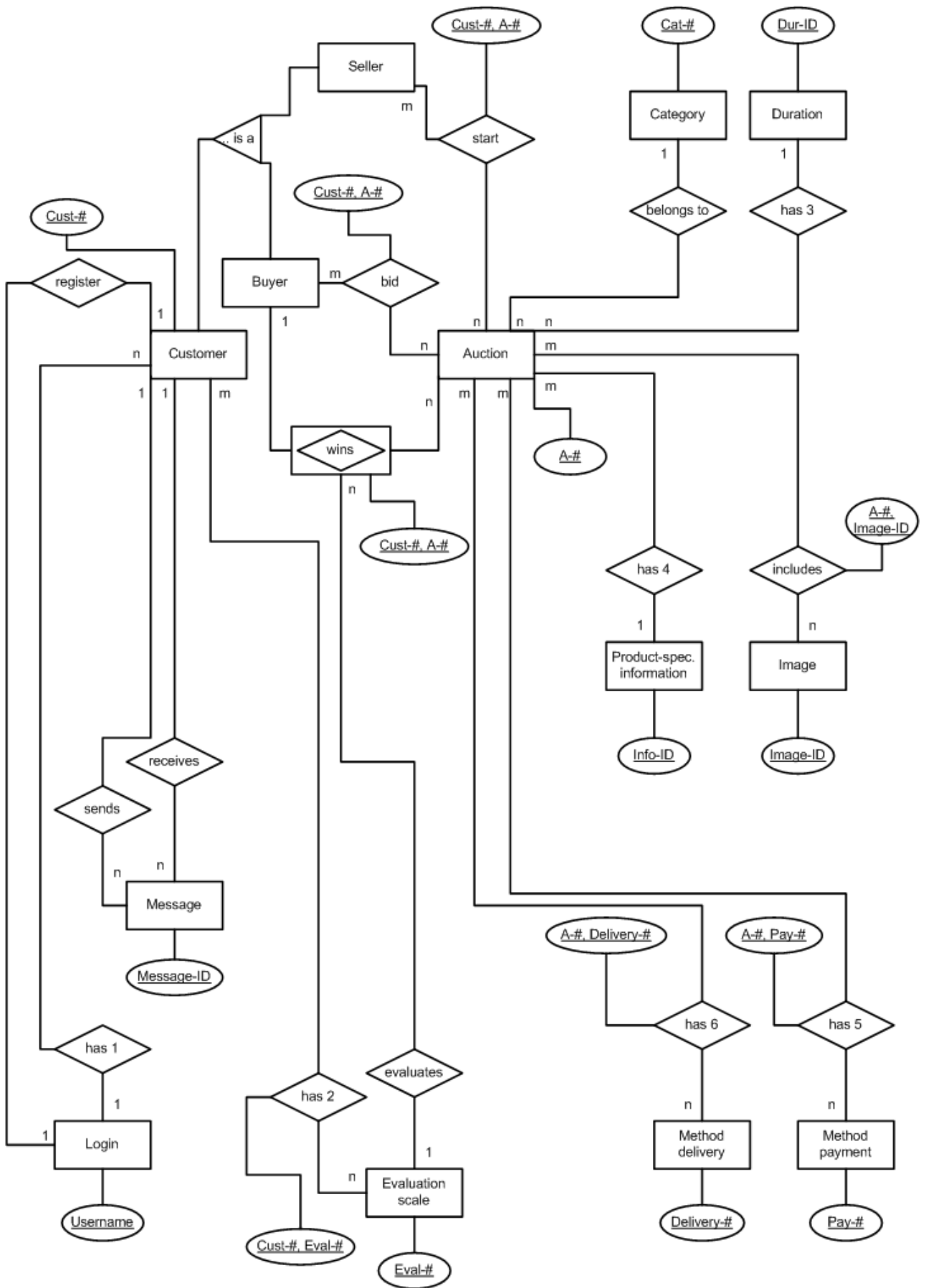


## Online auction website

Source: Designed by Gerhard Pokorny

### Transfer the following verbal description into an ERM:

- a) Customers (Cust-#) register a login (Username) for the online auction website. (They have to enter several information e.g. bank-details).
- b) Each customer has a login identity, composed of username and password.
- c) A customer can act as a buyer or a seller. As a seller he can start several auctions (A-#), as a buyer he can bid for auctions.
- d) The auctions are classified into several categories (Cat-#). Each auction belongs to one category.
- e) At the start, the seller has to choose the duration (Dur-ID) (e.g. 1 day, 2 days,... 10 days) of the auction and can upload one or more images (that can be sample or self-made images). Images (Image-ID) can be used in several auctions.
- f) Each auction has product-specific information (Info-ID) (e.g. performance, wattage, water consumption etc.) Furthermore, at least one method of payment (Pay-#) and method of delivery (Delivery-#) must be specified.
- g) Moreover, each customer can send and receive messages (Message-ID). It is not possible to address a message to more than one person.
- h) Each customer has an evaluation scale (Eval-#), which may change over time.
- i) One buyer wins the auction. After winning an auction, the buyer has to evaluate the seller.



Customer

<u>Cust-#</u>	Username	...

Login

<u>Username</u>	...

Message

<u>Message-ID</u>	Cust-#	...

Evaluation scale

<u>Eval-#</u>	...

has 2

<u>Cust-ä</u>	<u>Eval-#</u>	...

wins

<u>Cust-#</u>	<u>A-#</u>	Eval-#	...

Auction

<u>A-#</u>	Cust-#	Cat-#	Dur-ID	Info-ID	...

bid

<u>Cust-#</u>	<u>A-#</u>	...

start

<u>Cust-#</u>	<u>A-#</u>	...

Category

<u>Cat-#</u>	...

includes

<u>A-#</u>	<u>image-ID</u>	...

Duration

<u>Dur-ID</u>	...

Image

<u>Image-ID</u>	...

Method delivery

<u>Delivery-#</u>	...

Method payment

<u>Pay-#</u>	...

Product-spec. Information

<u>Info-ID</u>	...

has 6

<u>A-#</u>	<u>Delivery-#</u>	...

has 5

<u>A-#</u>	<u>Pay-#</u>	...