

A4: Conceptual Data Model

1. Class diagram

UML class diagram containing the classes, associations, multiplicity and roles.

For each class, the attributes, associations and constraints are included in the class diagram

The diagram of Figure 1 presents the main organizational entities, the relationships between them, attributes and their domains, and the multiplicity of relationships for PC Auctions. We also added the business rules described in the Artifact 2 as notes on the UML.

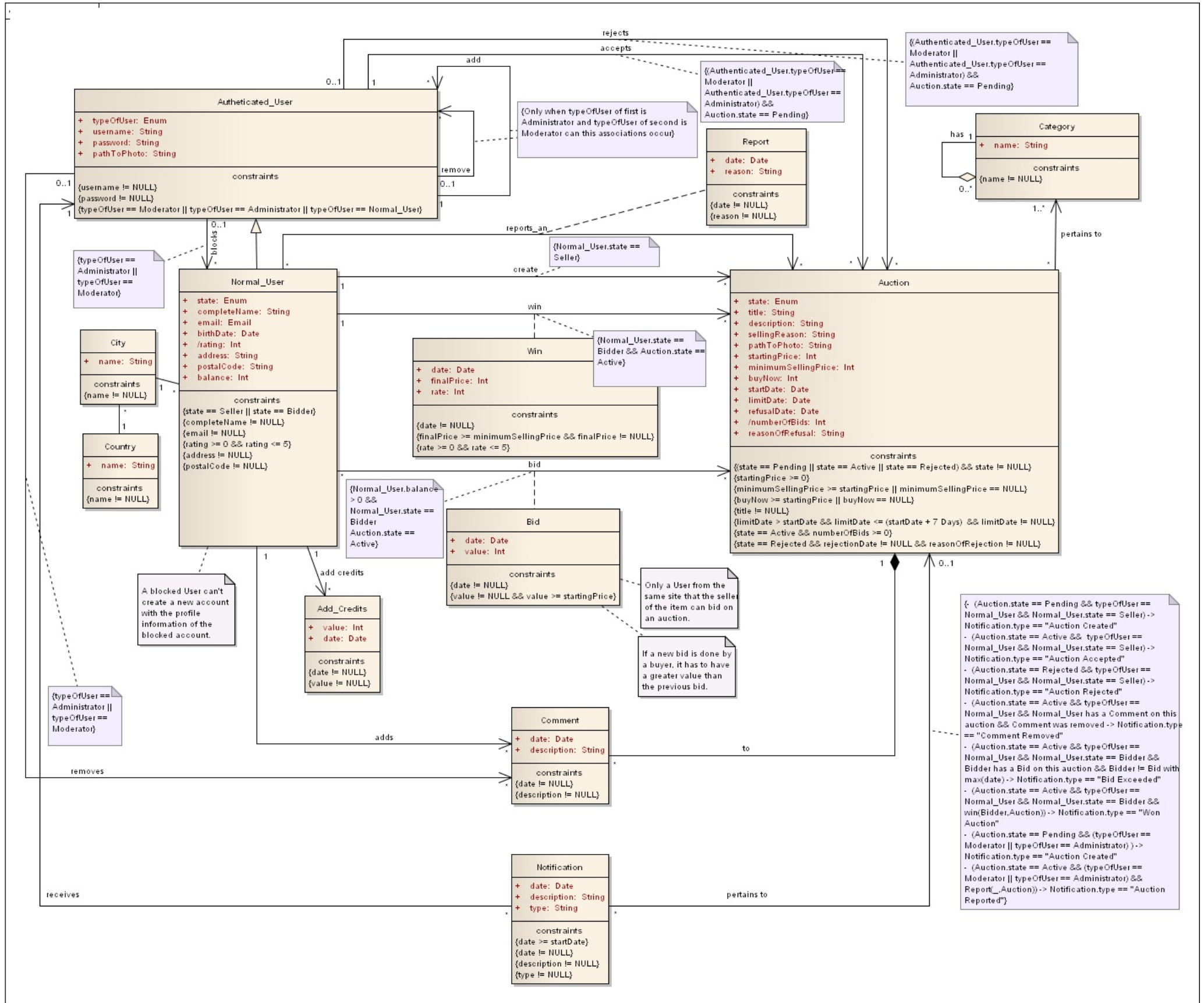


Figure 1: UML conceptual data model

Revision history

Changes made to the first submission:

1. We changed the majority of the generalisations so that they now are on the same class but are distinguished by an enumeration state as suggested by the professor.
2. We added constraints to the associations so that the states referenced in 1. make sense in terms of what they can and can't do.
3. We added Report and Add_Credits classes as associations classes.
4. We changed the class of comments so it is not a nth-ary association anymore.
5. We changed the notification system so that now it functions with constraints for what type of notification the user receives.

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