E Auction Platform

Database Structure

User Table: Storing list of all the users

Fields	Type
Unique identifier	Primary Key
Username	CharField
Contact Details	PhoneNumberField
Organization Affiliation	CharField
Email	EmailField
Contact Person	Charfield

Catalogue Table:

Fields	Type
Unique identifier	Primary Key
Catalogue name	CharField
Catalogue Owner	ForeignKey(UserTable)
Starting Date	DateTimeField
Ending Date	DateTimeField
Starting Bid	PositiveIntegerField
Auction Status (Open/Closed)	BooleanField
Hidden Bidding	BooleanField

Bids Table:

Fields	Type
Unique identifier	Primary Key
Catalogue name	ForeignKey(CatalogueTable)
Bid amount	PositiveIntegerField
Bidder	ForeignKey(UserTable)

Modules

- User Registration Module
- Catalogue registration module
- Bidding Module

Views

Once logged in, a user will have access to:

- Create a new Catalogue item to enter into auction
- Close the auction on an item they own
- Check out a list of all the items already in auction
- Look at history of their bids made by the user on different items and update his current bid

On DetailView of a catalogue item:

- Owner is able to see the current lowest bid when the item is still in auction
- Once the auction date is over, the owner will be able to see to top 2 bids

  For other users who are not the owner,
- Show them their current bid
- Give them an option to make a new bid
- Show them current highest bid (Optional: Depending on if the owner wants a hidden bidding process)

Constraints

- Owners can only see the bid amounts and not the actual bidders
- Bidders can only see the Catalogue detail and not the owner of that item
- A new bid has to be higher than an old bid
- Owner can't bid on his own catalogue