Bid 24x7

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Bid 24x7 is platform independent GUI based auctioning system which aims to provide an efficient platform for the users to bid/list items of different categories. It is a multi-user platform which aims to provide a common robust platform for item auctions.

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General info

Bid 24x7 is an auctioning platform developed in python, and GUI is implemented with the help of Tkinter library. For Database management SQLite3 has been used to get better and fast Database connectivity and management.
There are two views in Bid 24x7: -

1. **User view** : In user view, user can be bidder or seller. User can bid/sell items from the Bid 24x7.
2. **Admin View** : Admin view is basically a view with extra privileges given to the administrator for managing categories, blocking fraudelent users, bill generation and etc.

Technologies

- python - version 3.7.4
- SQLite - version 3

Requirements

To run Bid 24x7 Auction System, Host system should have these prerequisite libraries installed.

- SQLite3
- Tkinter

- Reportlab

Features

List of features ready and TODOs for future development:-

- Full GUI based Auctioning desktop application.
- Login and registration for users and admin with complete validations.
- Add new item to list for auction with user defined initial bid and timestamp.
- Buyer can bid for the items if available for the sale only if bid amount is higher than the previous/initial bid.
- Fraudlent user detection and blocking them completely from the platform so as to prevent them from re-registration.
- Admin can add new categories,merge two categories,delete of existing categories.

To-do list:

- Making GUI more interactive and responsive.
- More payment methods can be integrated.
- Profile management for each user

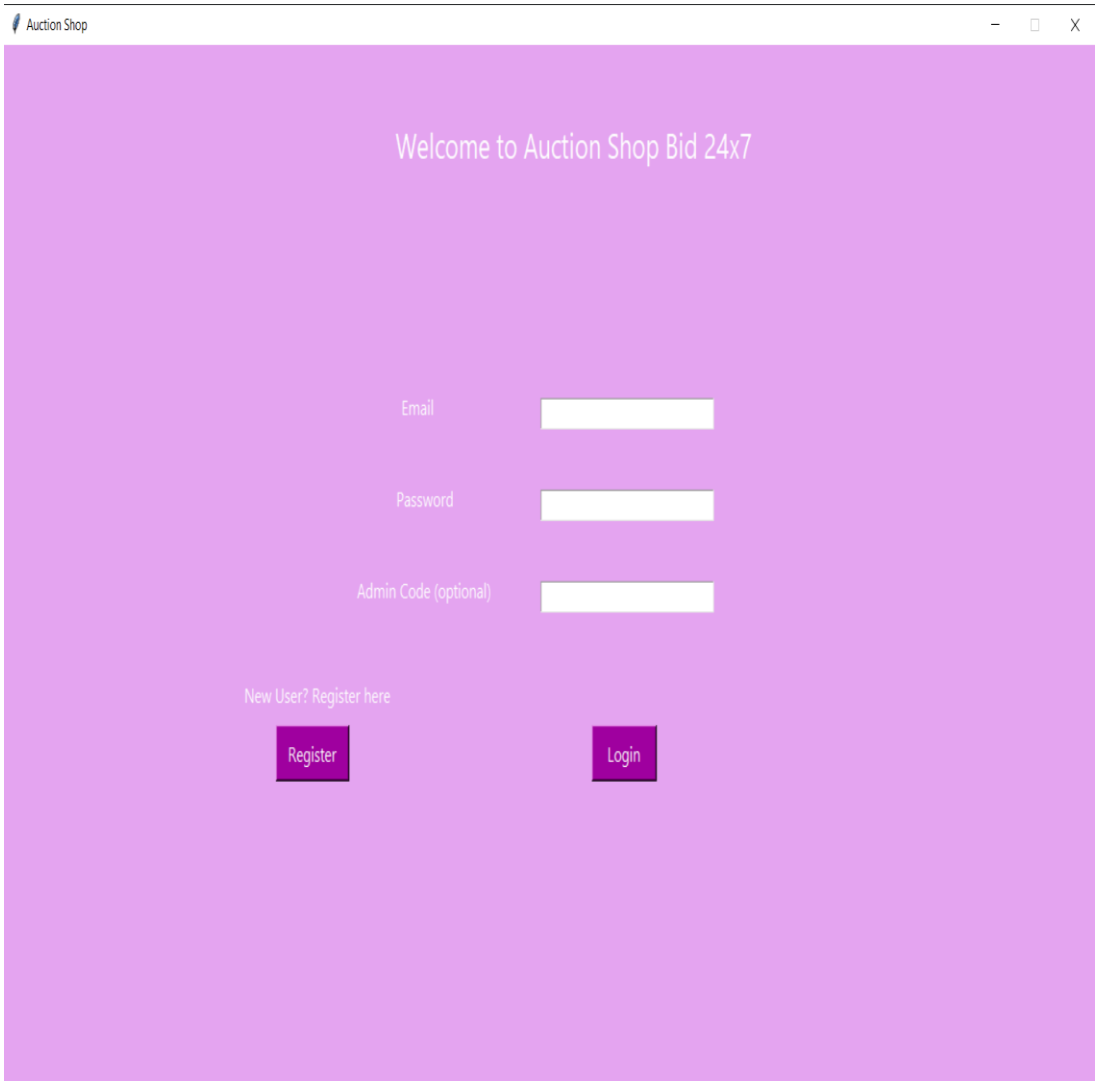
Setup

Follow these simple rules to setup the Bid 24x7 Auction System desktop application.

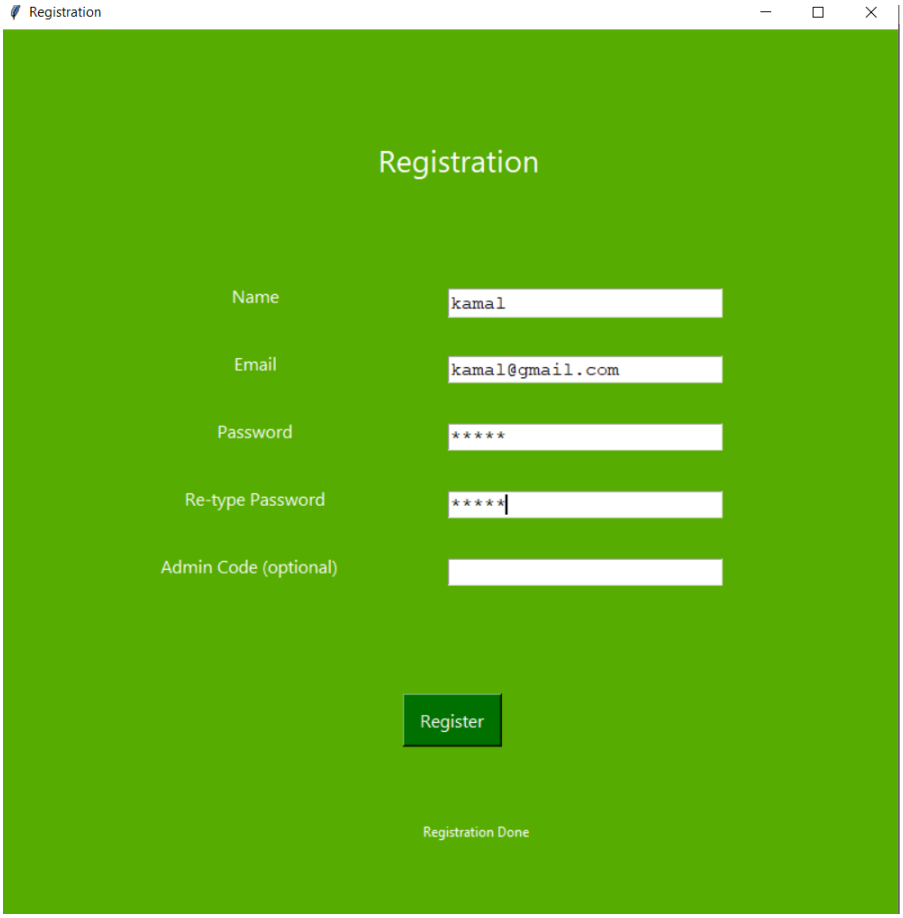
- unzip Bid 24x7 zip file
- run master.py [python master.py]
- register using valid credentials
- login with registered id to start using Bid 24x7

Work Flow and functionalities description for User

1. Starting Window of Bid 24x7.



2. Single time registration for new users.

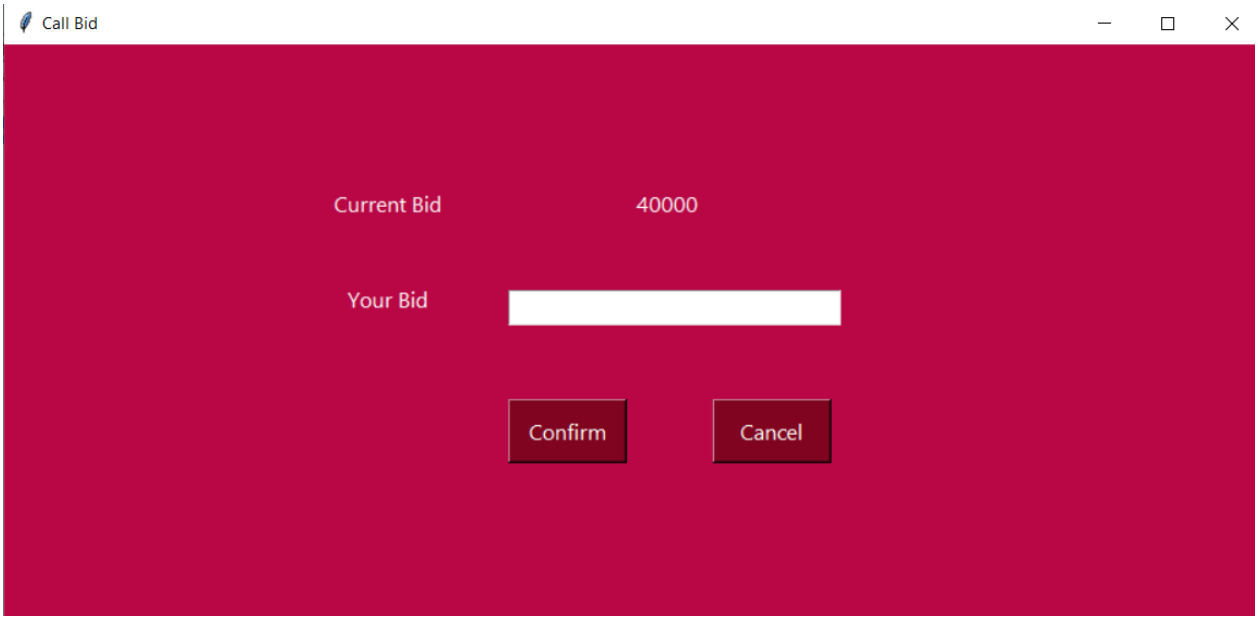


3. As of now, user has be registered, user can login with main window.

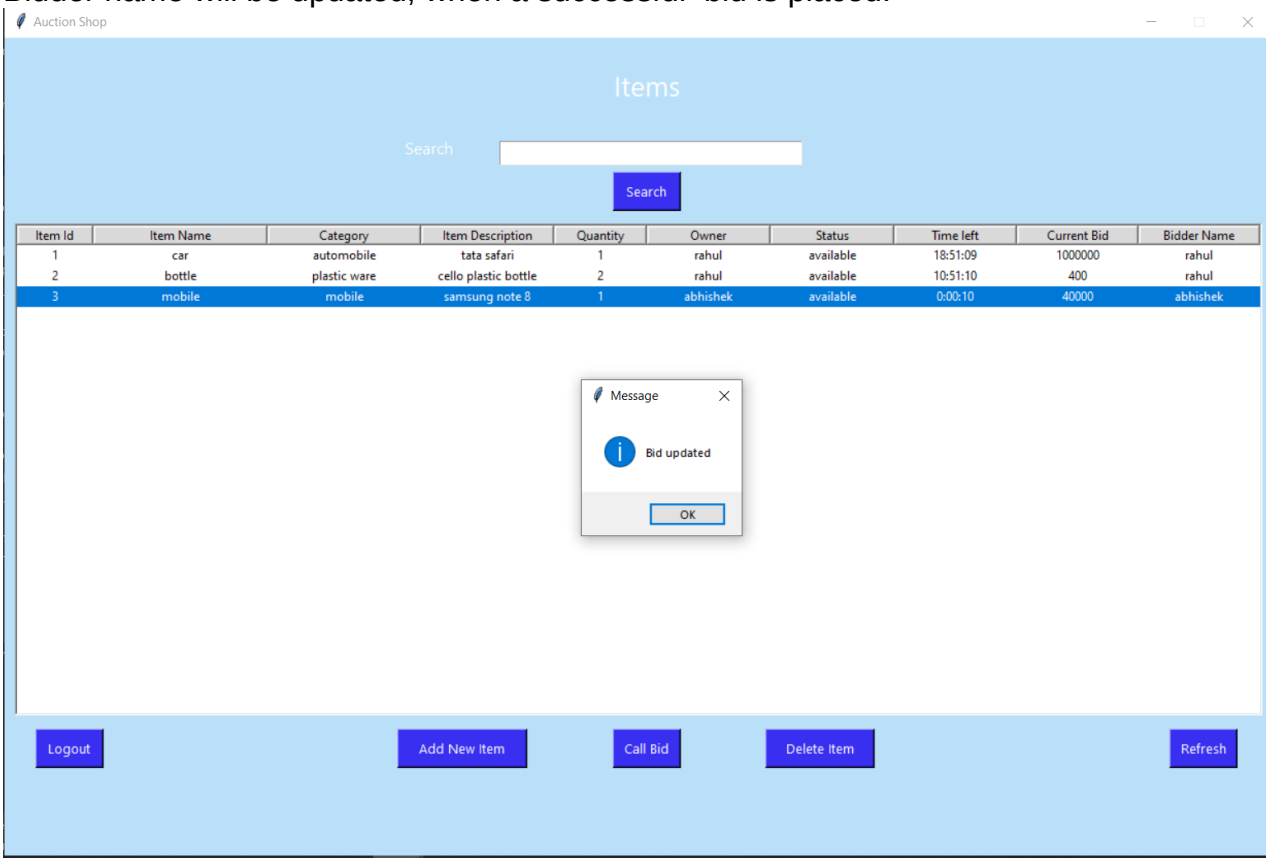
4. Main items page for user where he/she can buy or sell items in the auction.

5. Add item window to add new items in a specific category.

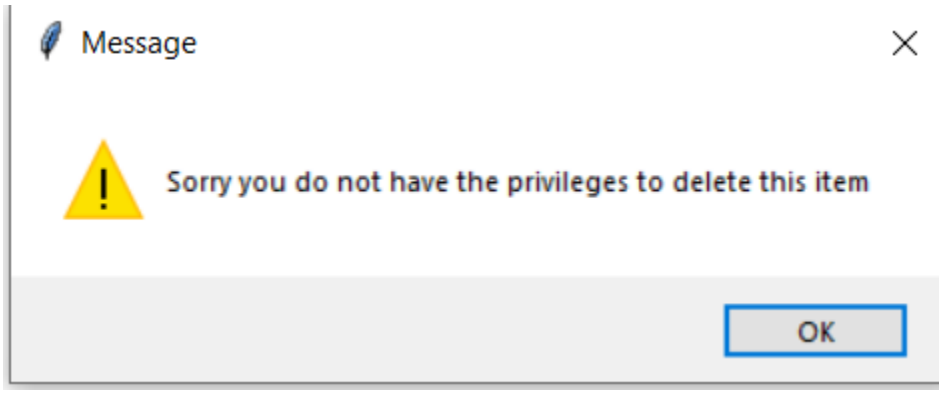
6. Bid for an item if product is available and you are bidding for higher amount then the current/ initial bid.



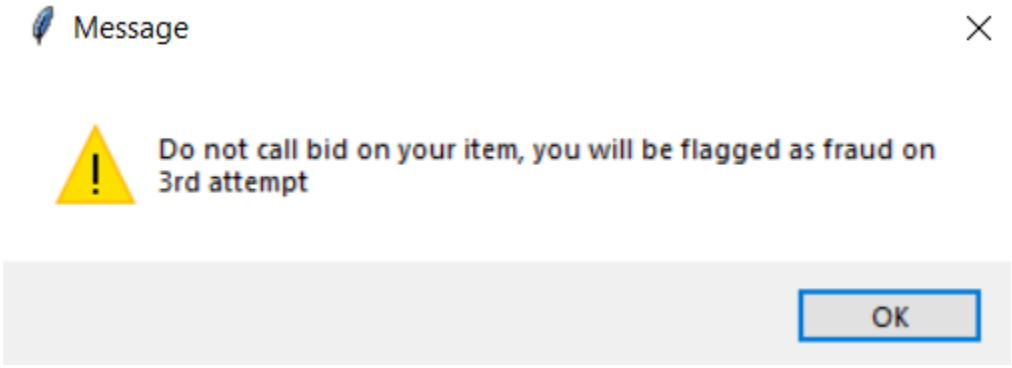
7. Bidder name will be updated, when a successful bid is placed.



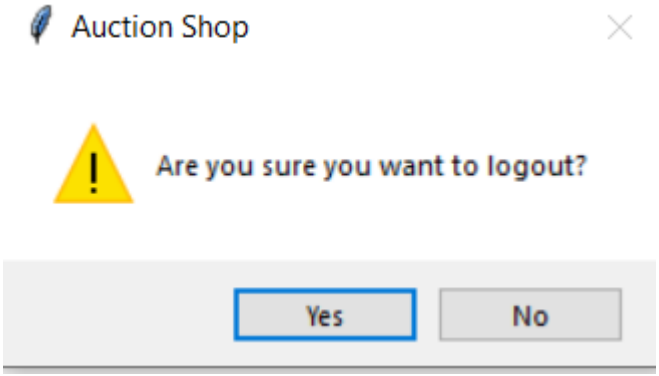
8. User can delete its item from the available item list but not any other users.



9. User cannot bid for its own listed item if he does it will generate a warning which leads to make him a fraudulent user.



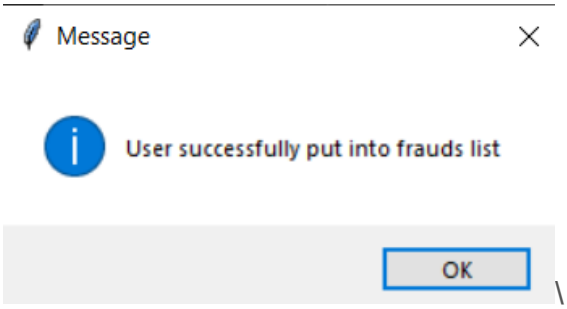
10. Users can logout when he wants to end his session.



These are the all functionalities of User.

Work Flow and functionalities description for Admin

1. Admin can register and login from the starting window and registration page but he/she should have admin code for each time he/she logs in.
2. Privileges offered to administrator
3. Admin can block users after selecting potentially fraudulent users with the help of admin privileges over users.



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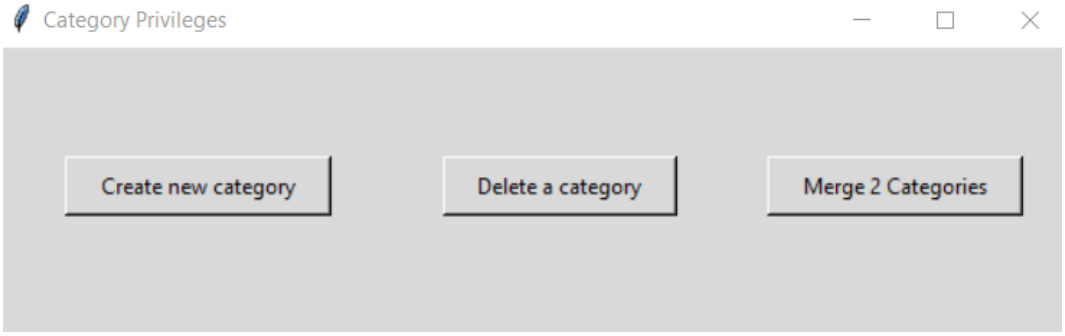
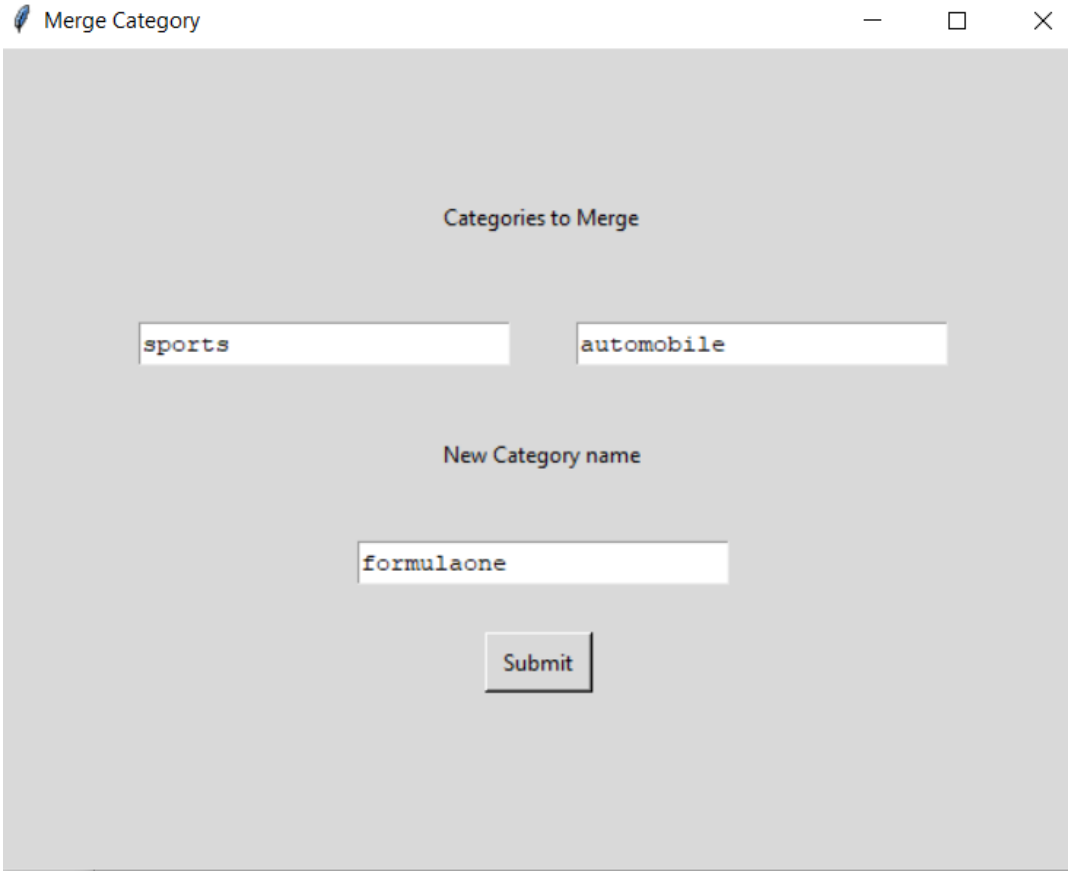
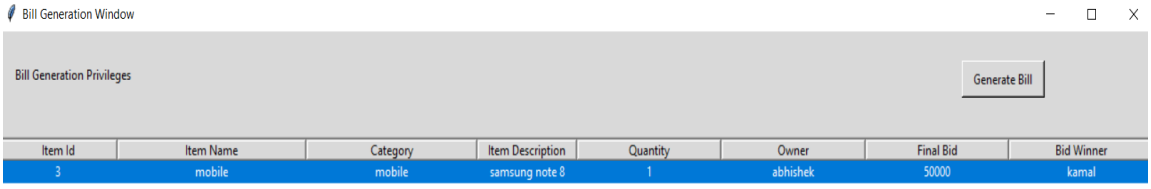
4. Privileges over categories



5. Merging 2 categories into one category.



6. Bill generation



Generated bill

Sun Dec 1 05:13:41 2019

Item id = 3

Item name = mobile

Item category = mobile

Item quantity = 1

Item description = samsung note 8

Previous Owner = abhishek

Final Bid Total = 50000

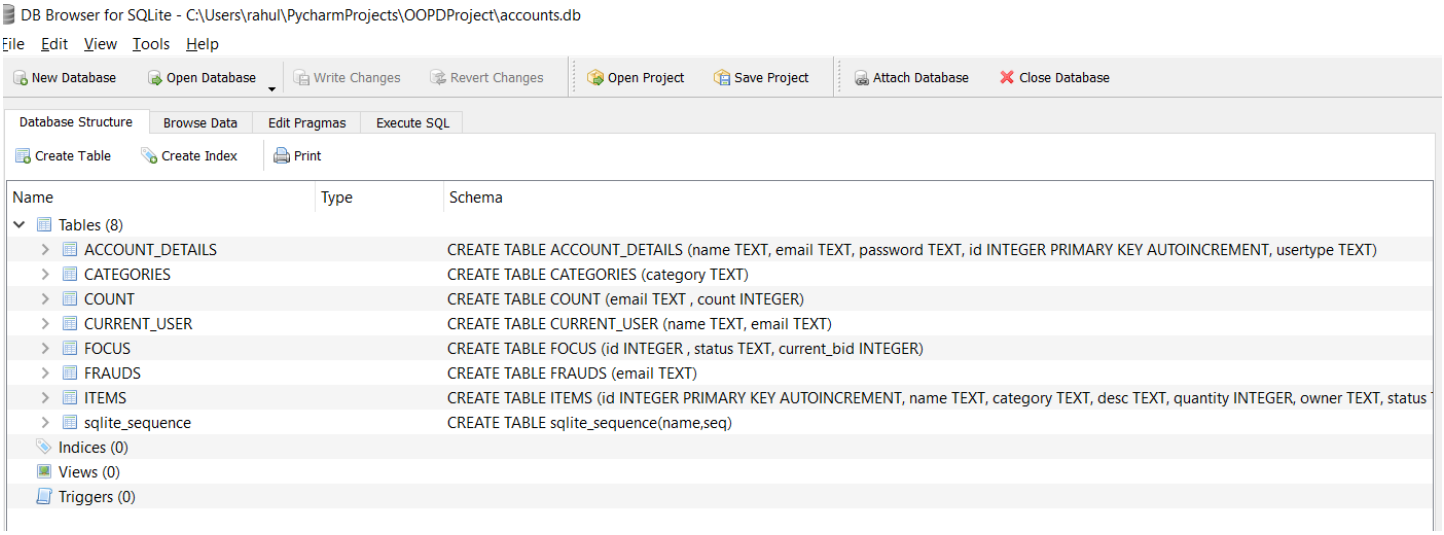
Bid Winner = kamal

Thank you very much and we look forward to serving you.

Sincerely,

Bid 24x7

Database Schema



Privacy policy

- Username and password should be kept confendential.
- User information will not be shared with anyone.

Ethical policy

- If user do any unethical activity in auctioning then the user will be considered fraudlent.
- Admin will look into activity of fraudulent users and can block user permanently from the Bid 24x7.

Status:Finished

Project has met all the predefined requirements.

Inspiration

Bid 24x7 is our project for OOPD course of M.Tech 1st year.It has been a great opportunity for us to learn new things and a whole new experience to develop a full running auctioning system that too with desktop GUI.

Refrences

For bill generation

http://www.blog.pythonlibrary.org/2010/03/08/a-simple-step-by-step-reportlab-tutorial/

For email validation

https://www.geeksforgeeks.org/check-if-email-address-valid-or-not-in-python/

Contact

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