

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 fraudulent 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

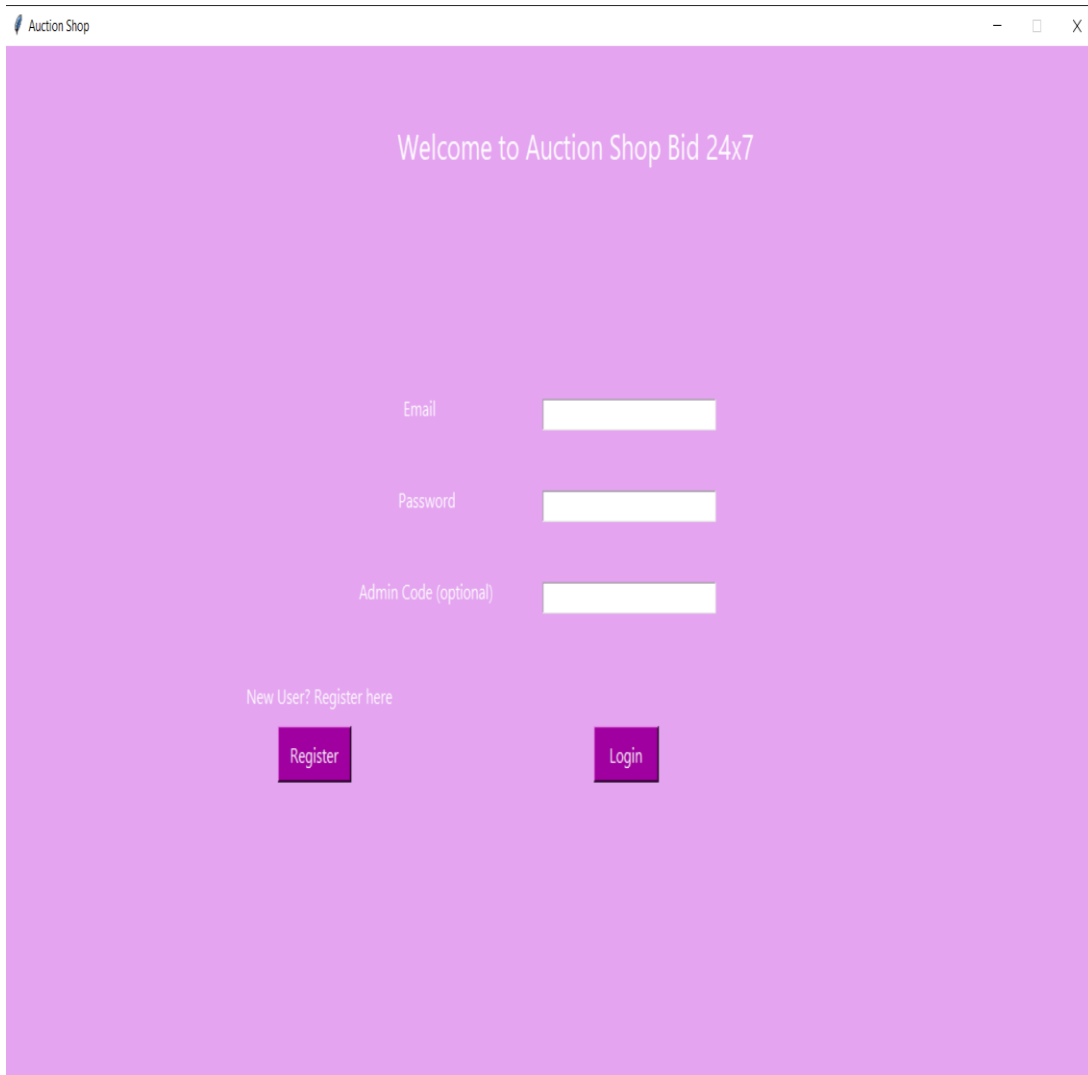
Setup

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.



The screenshot shows a web browser window titled "Auction Shop". The main content area has a light blue background. At the top, it says "Welcome to Auction Shop Bid 24x7". Below this, there are three input fields for "Email", "Password", and "Admin Code (optional)". At the bottom, there is a link "New User? Register here" and two buttons: "Register" and "Login".

Auction Shop

Welcome to Auction Shop Bid 24x7

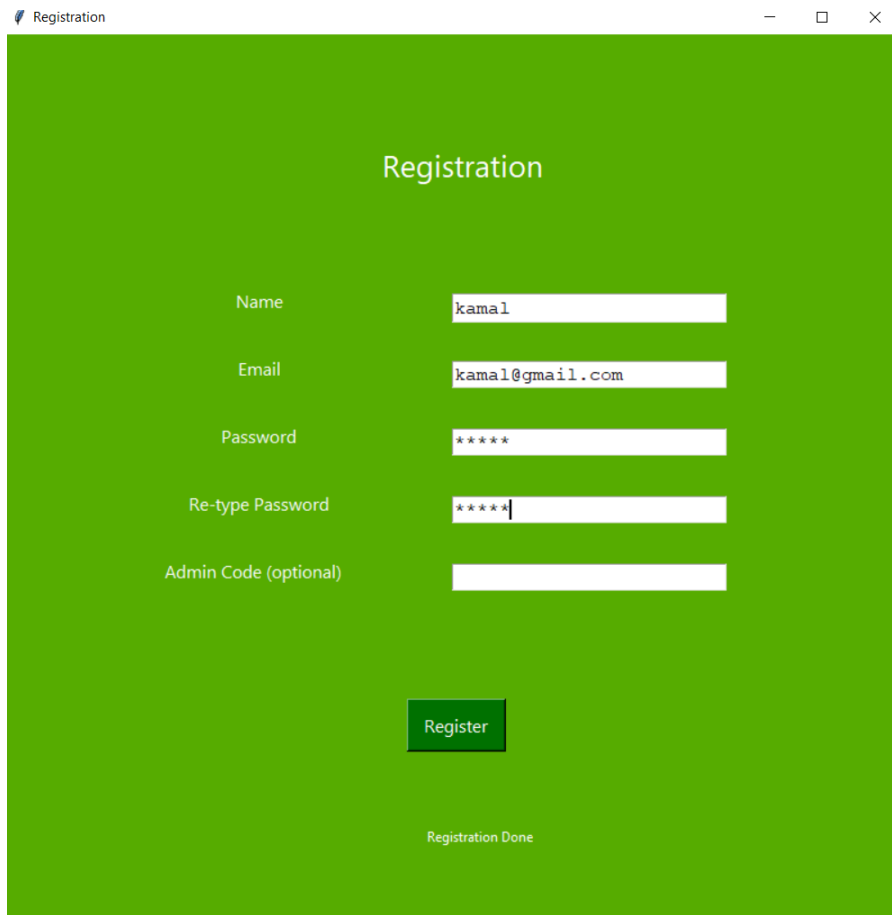
Email

Password

Admin Code (optional)

[New User? Register here](#)

2. Single time registration for new users.



A screenshot of a web application window titled "Registration". The window has a blue header bar with the title and standard window controls (minimize, maximize, close). The main content area has a light blue background. At the top, the word "Registration" is displayed in a large, bold, black font. Below it, there are five input fields arranged vertically, each with a label to its left. The first field is labeled "Name" and contains the text "kamal". The second field is labeled "Email" and contains the text "kamal@gmail.com". The third field is labeled "Password" and contains five asterisks. The fourth field is labeled "Re-type Password" and contains five asterisks. The fifth field is labeled "Admin Code (optional)" and is empty. Below the input fields is a red button with the text "Register" in white. At the bottom of the form, the text "Registration Done" is displayed in a smaller, gray font.

Registration

Name kamal

Email kamal@gmail.com

Password *****

Re-type Password *****

Admin Code (optional)

Register

Registration Done

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.

Auction Shop

Items

Search

Search

Item Id	Item Name	Category	Item Description	Quantity	Owner	Status	Time left	Current Bid	Bidder Name
1	car	automobile	tata safari	1	rahul	available	18:50:37	1000000	rahul
2	bottle	plastic ware	cello plastic bottle	2	rahul	available	10:50:38	400	rahul
3	mobile	mobile	samsung note 8	1	abhishek	sold	0	50000	kamal

Logout Add New Item Call Bid Delete Item Refresh

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.

Call Bid

Current Bid 40000

Your Bid

Confirm Cancel

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

Auction Shop

Items

Search

Search

Item Id	Item Name	Category	Item Description	Quantity	Owner	Status	Time left	Current Bid	Bidder Name
1	car	automobile	tata safari	1	rahul	available	18:51:09	1000000	rahul
2	bottle	plastic ware	cello plastic bottle	2	rahul	available	10:51:10	400	rahul
3	mobile	mobile	samsung note 8	1	abhishek	available	0:00:10	40000	abhishek

Message

i Bid updated

OK

Logout Add New Item Call Bid Delete Item Refresh

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

Message

! Sorry you do not have the privileges to delete this item

OK

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.

 Message ×



Do not call bid on your item, you will be flagged as fraud on 3rd attempt

OK

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

 Auction Shop ×



Are you sure you want to logout?

Yes

No

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.


Manage Users

privileges on users

Block Users

Email Id	Count
kamal@gmail.com	3

Message

 User successfully put into frauds list

OK

4. Privileges over categories

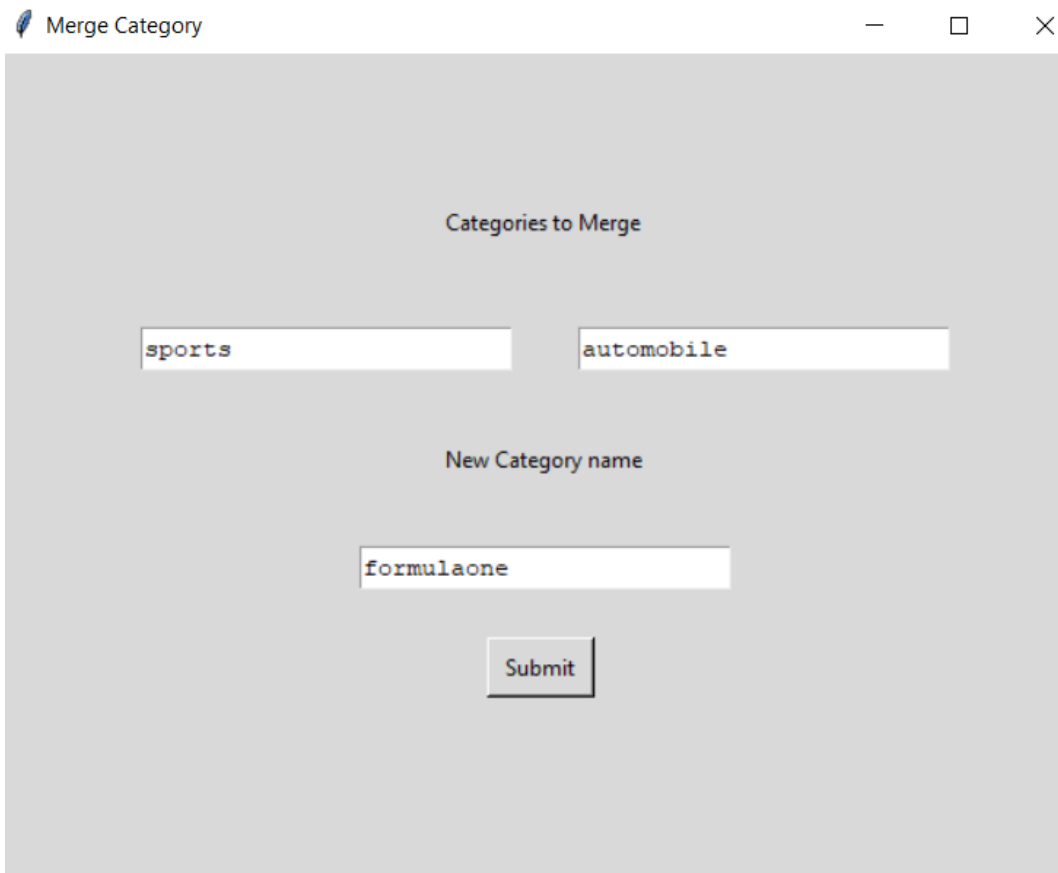
Category Privileges

Create new category

Delete a category

Merge 2 Categories

5. Merging 2 categories into one category.

A window titled "Merge Category" with a light gray background. It contains two input fields under the heading "Categories to Merge", with "sports" and "automobile" entered. Below these is a single input field under the heading "New Category name" with "formulaone" entered. A "Submit" button is at the bottom.

Categories to Merge

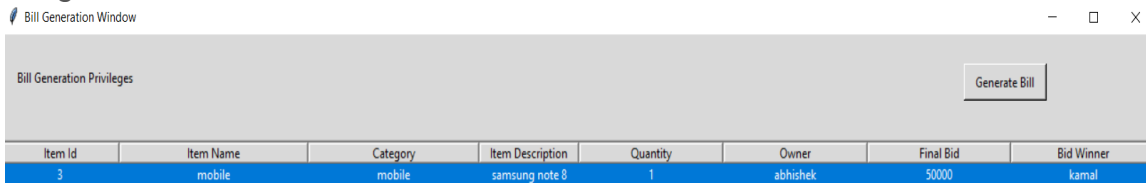
sports automobile

New Category name

formulaone

Submit

6. Bill generation

A window titled "Bill Generation Window" with a light gray background. It features a "Generate Bill" button in the top right corner. Below the button is a table with 8 columns: Item Id, Item Name, Category, Item Description, Quantity, Owner, Final Bid, and Bid Winner. The table contains one row of data.

Bill Generation Privileges

Generate Bill

Item Id	Item Name	Category	Item Description	Quantity	Owner	Final Bid	Bid Winner
3	mobile	mobile	samsung note 8	1	abhishek	50000	kamal

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

DB Browser for SQLite - C:\Users\rahu\PycharmProjects\OOPDProject\accounts.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragmas Execute SQL

Create Table Create Index Print

Name	Type	Schema
Tables (8)		
> ACCOUNT_DETAILS		CREATE TABLE ACCOUNT_DETAILS (name TEXT, email TEXT, password TEXT, id INTEGER PRIMARY KEY AUTOINCREMENT, usertype TEXT)
> CATEGORIES		CREATE TABLE CATEGORIES (category TEXT)
> COUNT		CREATE TABLE COUNT (email TEXT , count INTEGER)
> CURRENT_USER		CREATE TABLE CURRENT_USER (name TEXT, email TEXT)
> FOCUS		CREATE TABLE FOCUS (id INTEGER , status TEXT, current_bid INTEGER)
> FRAUDS		CREATE TABLE FRAUDS (email TEXT)
> ITEMS		CREATE TABLE ITEMS (id INTEGER PRIMARY KEY AUTOINCREMENT, name TEXT, category TEXT, desc TEXT, quantity INTEGER, owner TEXT, status TEXT)
> sqlite_sequence		CREATE TABLE sqlite_sequence(name,seq)
Indices (0)		
Views (0)		
Triggers (0)		

Privacy policy

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

Ethical policy

- If user do any unethical activity in auctioning then the user will be considered fraudulent.
- 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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