

# AUCTION SPHERE

One-stop shop for your favourite items at desired prices!  
Bid for exciting items and grab your favourite!



## Auction Sphere

Bid. Buy. Sell.

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## Key Features

### Seller:

- Register your profile
- Register your products for Biding
- Add Maximum Bidding Days
- Add your most desired price and minimum bid

### Buyer:

- Register your profile
- Bid for your favorite item
- Update Bids to secure your product!
- Benefit from good deals!

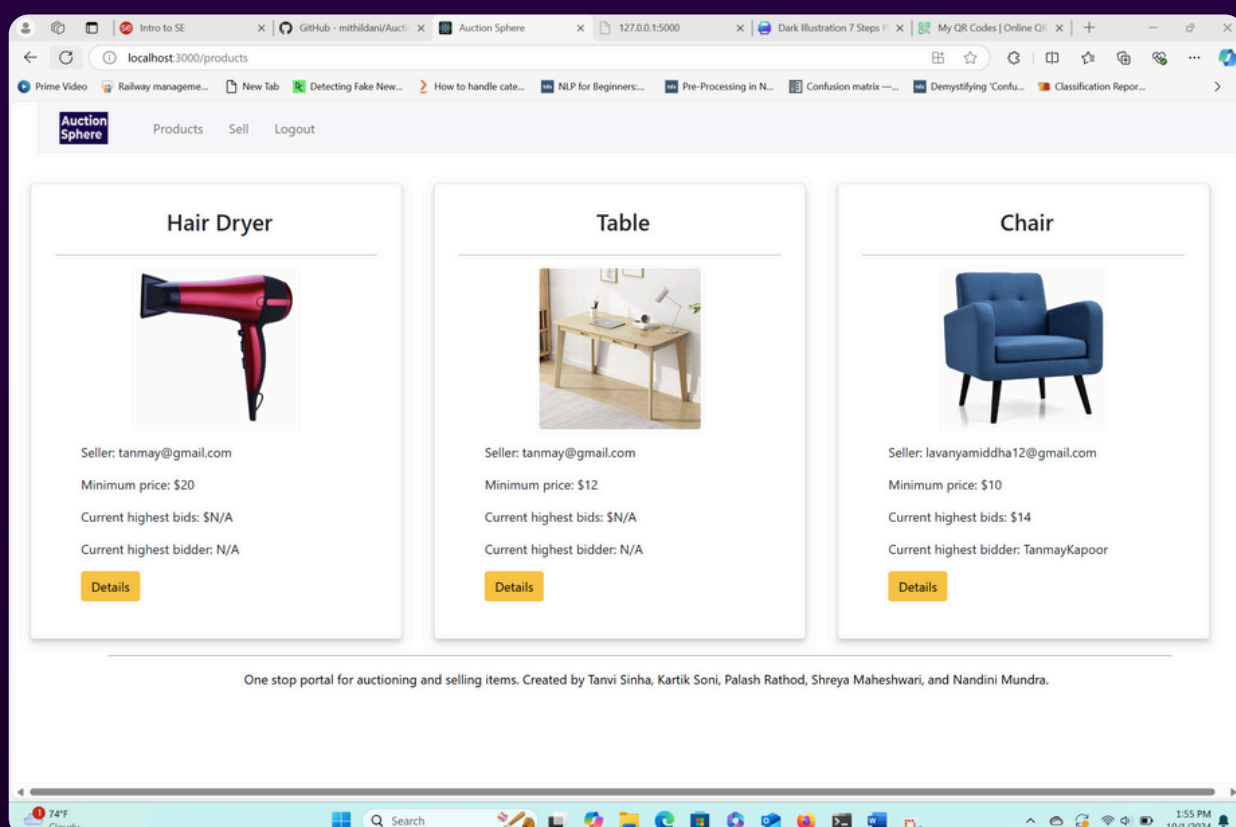


## What's New?

1. Migration from SQLite to PostgreSQL for large scale deployment
2. Reduced packet size from 1 MB to 2.5 KB to fetch records using Pagination , thereby increasing the performance of the website
3. Addition of ORM Layer to protect against SQL Injection
4. Upgraded from Monolithic Architecture to Microservice Architecture
5. Improved performance of APIs to fetch Images with Redis Cache

## Future Scope

1. **Personalized Profile Dashboard for Buyers & sellers**
  - Display products listed by seller
  - History of previous sales
  - Bidder information per product
2. **Personalized dashboard for Buyers:**
  - Display product bids by buyer
  - History of previous purchases
  - Seller information per product
3. **Revamp Website UI**
  - Add a better home landing page which is more informative
  - Add Categories tab and List product as per categories
  - Add more parameters to describe the product on sale
  - Countdown for remaining bidding time per product
  - Send email to the user with winning bid to confirm purchase
4. **Analytics**
  - Interactive Plots for bidding analytics per product
  - Dynamic Charts to depict number of users - buyers and sellers to attract more traffic to the website
5. **Authentication**
  - Authenticate email id for user registration
  - Add validation checks for input fields such as number, email id, password



**Sell a product**

Product Name  
Enter a cool name for your item here

Minimum Price  
There's no way I'm selling for less than that!

Increment  
What's the minimum by which you'd like a new bid to win?

Description  
Enter an interesting description for your item here

Bidding Time (in days)  
Bidding window closes in...

Upload Image of the product  
Choose File No file chosen

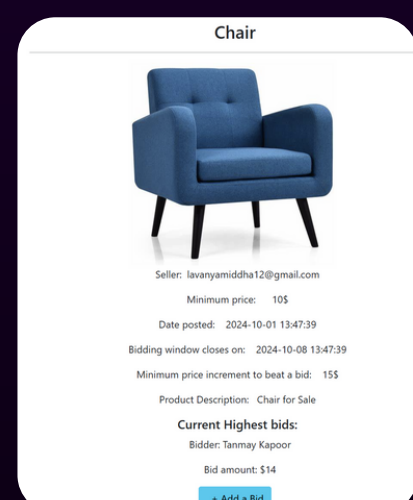
Submit

**Welcome! Login to continue**

Email  
The email you registered with us

Password  
Your password

Submit



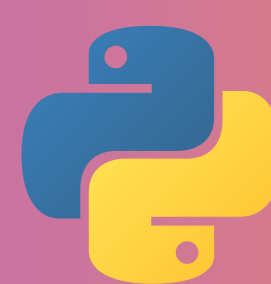
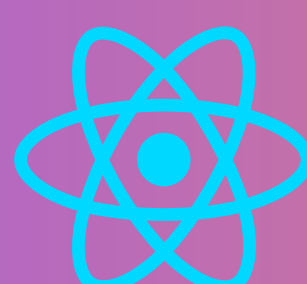
## Code Quality

- 17 Backend Testcases
- 6 Frontend Testcases
- 50 % Code Coverage



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