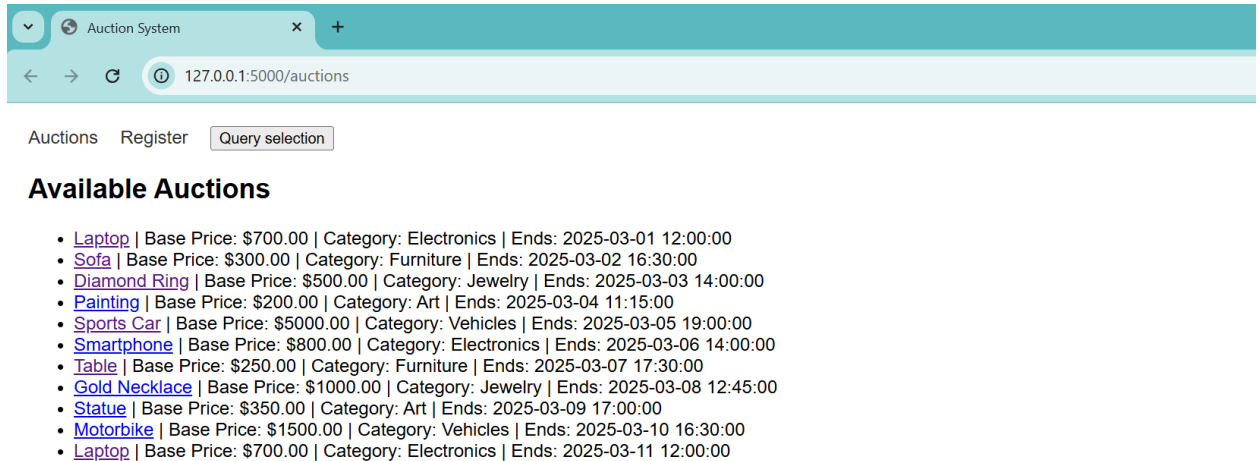


Group 28 members-

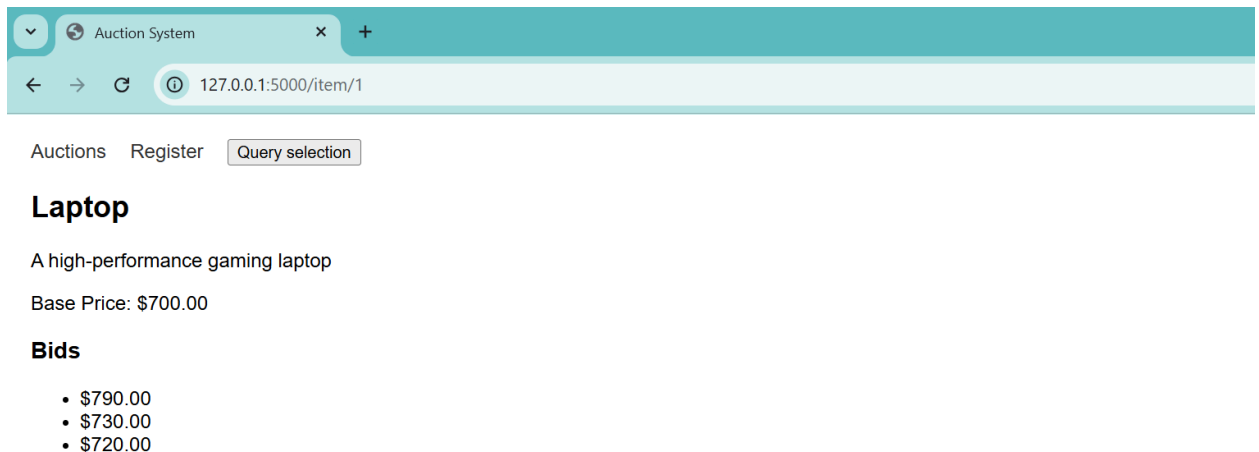
- 2023515-Shubh Sharma
- 2023428-Revant Gupta
- 2023450-Ruhani Bhatia

- Auction tab:

Shows all items in available auctions:

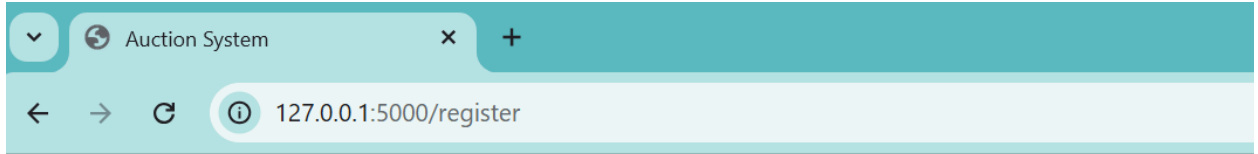


Clicking any item allows user to view its details:



- Register tab:

Prompts user to enter following to register:




Auctions Register Query selection

## Register

Username:

Password:

Balance:

 Please fill out this field.

On clicking register:

Auctions Register Query selection

Registration successful!

## Available Auctions

- [Laptop](#) | Base Price: \$700.00 | Category: Electronics | Ends: 2025-03-01 12:00:00
- [Sofa](#) | Base Price: \$300.00 | Category: Furniture | Ends: 2025-03-02 16:30:00
- [Diamond Ring](#) | Base Price: \$500.00 | Category: Jewelry | Ends: 2025-03-03 14:00:00
- [Painting](#) | Base Price: \$200.00 | Category: Art | Ends: 2025-03-04 11:15:00
- [Sports Car](#) | Base Price: \$5000.00 | Category: Vehicles | Ends: 2025-03-05 19:00:00
- [Smartphone](#) | Base Price: \$800.00 | Category: Electronics | Ends: 2025-03-06 14:00:00
- [Table](#) | Base Price: \$250.00 | Category: Furniture | Ends: 2025-03-07 17:30:00
- [Gold Necklace](#) | Base Price: \$1000.00 | Category: Jewelry | Ends: 2025-03-08 12:45:00
- [Statue](#) | Base Price: \$350.00 | Category: Art | Ends: 2025-03-09 17:00:00
- [Motorbike](#) | Base Price: \$1500.00 | Category: Vehicles | Ends: 2025-03-10 16:30:00
- [Laptop](#) | Base Price: \$700.00 | Category: Electronics | Ends: 2025-03-11 12:00:00

Update visible in User table in db:

197-- select \* from Seller;

198-- select \* from User;

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	UserID	Username	Password	Balance
▶	1	Alice	pass123	1000.00
	2	Bob	pass123	500.00
	3	Charlie	pass123	750.00
	4	David	pass123	1200.00
	5	Eve	pass123	300.00
	6	Frank	pass123	900.00
	7	Grace	pass123	450.00
	8	Hank	pass123	800.00
	9	Ivy	pass123	1000.00
	10	Jack	pass123	600.00
	11	heloo	12345	333.00
*	NULL	NULL	NULL	NULL

Result Grid

Form Editor

Field Types

Query Stats

- Query tab: Query 1 to 13 are for task 1 and query 14 to 16 are for task 2(11m interaction fixed queries) of 3rd deadline

←
→
🔄
🔍 127.0.0.1:5000/queries
☆
🗑️

Auctions
Register
Query selection

Select a Query

Query 1

Query 2

Query 3

Query 4

Query 5

Query 6

Query 7

Query 8

Query 9

Query 10

Query 11

Query 12

Query 13

Query 14

Query 15

Query 16

Screenshots for running all queries:

## Result for Query 1

Retrieve all items with their respective category titles.

ItemID	Name	Description	CategoryTitle
1	Laptop	A high-performance gaming laptop	Electronics
2	Sofa	A comfortable leather sofa	Furniture
3	Diamond Ring	A beautiful diamond ring	Jewelry
4	Painting	An exquisite art piece	Art
5	Sports Car	A luxurious sports car	Vehicles
6	Smartphone	Latest model smartphone	Electronics
7	Table	Wooden dining table	Furniture
8	Gold Necklace	Pure gold necklace	Jewelry
9	Statue	Greek-style marble statue	Art
10	Motorbike	Fast and stylish motorbike	Vehicles

## Result for Query 2

Get the highest bid for each auction.

AuctionID	ItemName	HighestBid
1	Laptop	790.00
2	Sofa	350.00
3	Diamond Ring	550.00
4	Painting	250.00
5	Sports Car	5700.00
6	Smartphone	850.00
7	Table	320.00
8	Gold Necklace	1150.00
9	Statue	450.00
10	Motorbike	1700.00

Result for Query 3

Retrieve the total sales amount for each seller.

UserID	Username	TotalSales
1	Alice	0.00
2	Bob	0.00
3	Charlie	0.00
4	David	0.00
5	Eve	0.00
6	Frank	0.00
7	Grace	0.00
8	Hank	0.00
9	Ivy	0.00
10	Jack	0.00

Result for Query 4

Get all auctions that have ended but have no winner assigned.

AuctionID	ItemName	EndTime
1	Laptop	2025-03-01 12:00:00
2	Sofa	2025-03-02 16:30:00
3	Diamond Ring	2025-03-03 14:00:00
4	Painting	2025-03-04 11:15:00
5	Sports Car	2025-03-05 19:00:00
6	Smartphone	2025-03-06 14:00:00
7	Table	2025-03-07 17:30:00
8	Gold Necklace	2025-03-08 12:45:00
9	Statue	2025-03-09 17:00:00
10	Motorbike	2025-03-10 16:30:00

### Result for Query 5

Retrieve details of any auction including seller, item, and highest bid.

AuctionID	ItemName	Seller	HighestBid
1	Laptop	Alice	790.00
11	Laptop	Alice	None
2	Sofa	Bob	350.00
3	Diamond Ring	Charlie	550.00
4	Painting	David	250.00
5	Sports Car	Eve	5700.00
6	Smartphone	Alice	850.00
6	Smartphone	Frank	850.00
7	Table	Grace	320.00
8	Gold Necklace	Bob	1150.00
8	Gold Necklace	Hank	1150.00

Auctions Register **Query selection**

### Result for Query 6

Count the number of items in each category

CategoryTitle	ItemCount
Art	2
Electronics	2
Furniture	2
Jewelry	2
Vehicles	2

Back to Queries

### Result for Query 7

Find items that were auctioned more than once.

ItemID	Name
1	Laptop

Back to Queries

### Result for Query 8

Find the Latest auction for each time.

AuctionID	ItemID	StartTime	EndTime
2	2	2025-03-02 14:00:00	2025-03-02 16:30:00
3	3	2025-03-03 11:00:00	2025-03-03 14:00:00
4	4	2025-03-04 09:00:00	2025-03-04 11:15:00
5	5	2025-03-05 15:00:00	2025-03-05 19:00:00
6	6	2025-03-06 12:00:00	2025-03-06 14:00:00
7	7	2025-03-07 16:00:00	2025-03-07 17:30:00
8	8	2025-03-08 10:00:00	2025-03-08 12:45:00
9	9	2025-03-09 14:30:00	2025-03-09 17:00:00
10	10	2025-03-10 13:00:00	2025-03-10 16:30:00
11	1	2025-03-11 10:00:00	2025-03-11 12:00:00

Result for Query 9

Find Users Who Have Placed the Most Bids in any Auction.

UserID	Username
3	Charlie

Back to Queries

Result for Query 10

Find users who have participated as both sellers and bidders

UserID	Username
3	Charlie
5	Eve
4	David
6	Frank
7	Grace
8	Hank
9	Ivy
10	Jack

Back to Queries





The screenshot shows a web browser window with a single tab titled 'Auction System'. The address bar displays the URL '127.0.0.1:5000/run\_query/11'. The browser interface includes standard navigation buttons (back, forward, refresh) and a search icon on the left, and window control buttons (minimize, maximize, close) on the right.

Auctions Register **Query selection**

### Result for Query 11

**Get the top 3 bidders who have placed the highest total bid amount**

BidderID	Username	TotalBidAmount
6	Frank	5950.00
7	Grace	5200.00
4	David	2050.00

[Back to Queries](#)

The screenshot shows a web browser window with a single tab titled 'Auction System'. The address bar displays the URL '127.0.0.1:5000/run\_query/12'. The browser interface includes standard navigation buttons (back, forward, refresh) and window controls (minimize, maximize, close).

Auctions Register **Query selection**

### Result for Query 12

### Find Auctions That Lasted Longer Than the Average Duration

AuctionID	ItemID	Duration
3	3	3:00:00
5	5	4:00:00
8	8	2:45:00
10	10	3:30:00

[Back to Queries](#)

Auction System
127.0.0.1:5000/run\_query/13

### Result for Query 13

Find Users Who Have Placed the Most Bids in every Auction

UserID	Username	AuctionID	TotalBids
3	Charlie	1	2
3	Charlie	9	1
4	David	2	1
4	David	10	1
5	Eve	3	1
6	Frank	4	1
6	Frank	5	1
7	Grace	5	1
8	Hank	6	1
9	Ivy	7	1

Query 14 takes user input via a new form:

Input Required
127.0.0.1:5000/input\_query/14

Retrieve all bids for a specific auction along with bidder details

Enter Auction ID:

on pressing run query:

Auctions
Register
Query selection

Auction ID is required for this query.

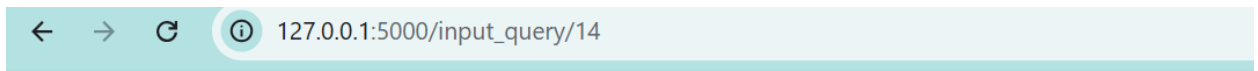
### Result for Query 14

Retrieve all bids for a specific auction along with bidder details

BidderID	Username	Balance	BidAmount	AuctionID	ItemName
3	Charlie	750.00	720.00	1	Laptop
3	Charlie	750.00	790.00	1	Laptop
5	Eve	300.00	730.00	1	Laptop

Back to Queries

Another input for showcasing different outputs dependent upon user input:



## Retrieve all bids for a specific auction along with bidder details

Enter Auction ID:

On pressing run query:



Auctions Register

Auction ID is required for this query.

### Result for Query 14

Retrieve all bids for a specific auction along with bidder details

BidderID	Username	Balance	BidAmount	AuctionID	ItemName
6	Frank	900.00	5700.00	5	Sports Car
7	Grace	450.00	5200.00	5	Sports Car



Auctions Register

### Result for Query 15

Get all bidders who have exceeded their bid limit

UserID	Username	BidLimit	BidAmount
3	Charlie	750.00	790.00

Auction System

127.0.0.1:5000/run\_query/16

Result for Query 16

Get a list of users and the number of auctions they have participated in (either as a bidder or as a seller)

Username	NumAuctions
Charlie	2
Eve	2
David	2
Frank	2
Grace	1
Hank	1
Ivy	1
Jack	1
Alice	3
Bob	2
Chadler	1

7

Search

ENG IN

21:49 13-04-2025