

Amal Jyothi College Of Engineering Kanjirapally

Dept.of Computer Applications

ONLINE AUCTION SYSTEM

Mini-Project Abstract

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What is Online Auction System ?

An online web-based auction system where buyers and sellers engage in transactional business and products will be purchased by bidding among potential buyers.

This system gives the sellers a global reach for their product . Its easy to buy and sell than a traditional system. This system involves direct seller -buyer interaction. 24x7 online availability gives advantages for the seller and user.

Tools used are :

1. React JS

- React is a free and open-source front-end JavaScript library for building user interfaces or UI components. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single-page or mobile applications.

2. MySQL

- MySQL is a relational database management system based on the Structured Query Language, which is the popular language for accessing and managing the records in the database.
- MySQL is open-source and free software under the GNU license. It is supported by **Oracle Company**.

3. Express JS

- Express.js, is a back end web application framework for Node.js.
- It is designed for building web applications and APIs.
- Released as free and open-source software under the MIT License

4. Node JS

- Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser.

5. Git & GitHub

- Git is a version control system that lets you manage and keep track of your source code history.
- GitHub is a cloud-based hosting service that lets you manage Git repositories.

Hardware Specification

- Memory: 4GB of RAM and 80 GB of hard disk
- Processor: Intel core i3 2GHz

Users

- Administrator.
- Registered users.

Modules

- **Login/Signup**

Using this module a new user can sign up using a email and password.

The admin must approve the new user.

Existing user can use their credentials to log in to the website.

Users can change their password.

- **Homepage**

shows the products available for auction.

With image and minimum bid and the end time.

It also shows the active top bids on the product.

- **Add product**

Registered user can add product with minimum bid and a time limit.

- **Place bid**

Potential buyers can place a bid on products.

They can also see the placed bid on the product.

- **Search products**

Users can search for products.