Amal Jyothi College Of Engineering Kanjirapally

Dept.of Computer Applications

ONLINE AUCTION SYSTEM

Form-Project Abstract

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RL-MCA S5, 2019-2022

Roll Number : 10

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.