Project Title	**Online Auction System**
Technologies	MERN
Domain	Industry
Project Level	Difficult

Table

Contents

1. Problem Statement:

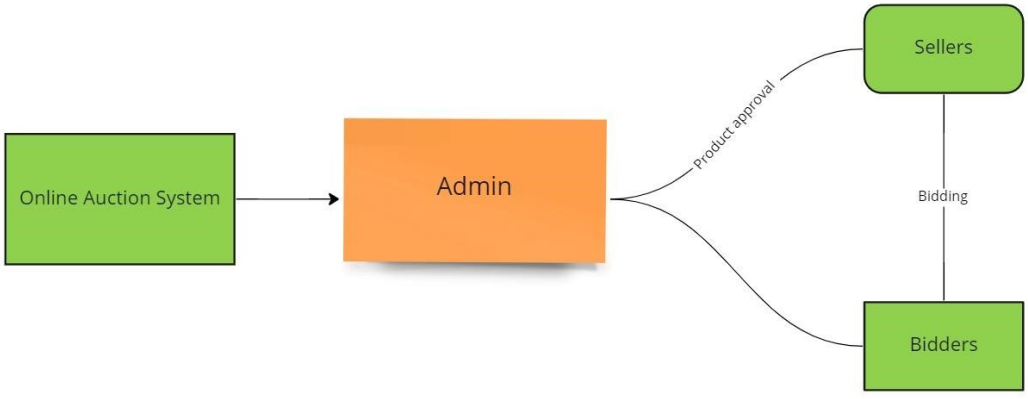
An online auction project is a system that manages sellers and bidders in accordance with the results of online auctions for different products on a website. Users can register and bid on different items that are up for auction via the system, as well as set up their products for auctions. The system also includes products that are arranged by price and by category. Admin also receives user input.

2. Features:

- Admin Login: Admin will monitor each and everything. He will approve the seller's product for bidding
  .
- Seller Login: Here Seller will upload his products for bidding to admin and after admins approval product get posted for bidders. Seller can delete/update his products
- Bidder Login: Here buyer or the product bidder can see list of products up for bidding and place his bid on the product.
- Multiple categories should be there for products.
- First time registration should be there.

2.1. Report Generation:

- Admin can generate all type of reports such as based on category, products, seller, bidder etc.



3. Project Evaluation metrics:

3.1. Code:

- You are supposed to write code in a modular fashion ● Safe: It can be used without causing harm.

- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works similarly in every environment (operating system).
- You have to maintain your code on GitHub.
- You must keep your GitHub repo public so anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include the basic workflow and execution of the entire project in the readme file on GitHub.
- Follow the coding standards.

3.2. Database:
MongoDB is a source-available cross-platform document-oriented database program. Classified as a NoSQL database program, MongoDB uses JSON-like documents with optional schemas.

3.3. API Details or User Interface:
You have to expose your complete solution as an API or try to create a user interface for your model testing. Anything will be fine for us.

3.4. Deployment:
Deploy the application on your preferred service.

3.5. Solutions Design:
You have to submit complete solution design strategies in High-level Document (HLD), Lowlevel Document (LLD), and Wireframe documents**.**

3.6. System Architecture:
You have to submit a system architecture design in your wireframe document and architecture document.

3.7. Optimization of solutions:
Try to optimize your solution on the code level, and architecture level, and mention all of these things in your final submission.

4. Submission requirements:

4.1. High-level Document:
You have to create a high-level document design for your project. You can reference the HLD form below the link.

Sample link: HLD Document Link

4.2. Low-level document:

You have to create a Low-level document design for your project; you can refer to the LLD from the link below.

Sample link: LLD Document Link

4.3. Architecture:

You have to create an Architecture document design for your project; you can refer to the Architecture from the link below.

Sample link: Architecture sample link

4.4. Wireframe:

You have to create a Wireframe document design for your project; refer to the Wireframe from the link below.

Demo link: Wireframe Document Link

4.5. Project code:

You have to submit your code to the GitHub repo in your dashboard when the final submission of your project.

Demo link: Project code sample link

4.6. Detail project report:

You have to create a detailed project report and submit that document as per the given sample.

Demo link: DPR sample link

4.7. Project demo video:

You have to record a project demo video for at least 5 Minutes and submit that link.