

A project Report On

Freelance Bidding Platform

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Type of Project: Web Technology

Technology: React.js, Node.js, Express, MongoDB (MERN Stack)

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1. Introduction

The **Freelance Bidding Platform** (Mini Fiverr Clone) is a service-based marketplace where clients can post projects, and freelancers can bid on them. The application provides a secure way to manage user accounts, project postings, bids, and basic contract management. The aim is to simulate a simplified freelance portal that resembles platforms like Fiverr.

2. Project Objectives

The key objectives of the **Freelance Bidding Platform** are:

- To allow clients to create and manage project postings.
- To enable freelancers to browse and bid on projects.
- To provide authentication and role-based access (client/freelancer).
- To facilitate communication and contracts between clients and freelancers.
- To integrate mock payments using Stripe Test API (optional).

4. Technologies

- ❖ Frontend: React.js, Vite, Axios, React Router, Context API, CSS
- ❖ Backend: Node.js, Express.js, JWT, bcryptjs, multer
- ❖ Database: MongoDB with Mongoose
- ❖ Other Tools: GitHub, npm, Postman (for API testing)

5. Features

- ✓ User Authentication (Login/Register with JWT)
- ✓ Role-based access (Client/Freelancer)
- ✓ Project posting by clients
- ✓ Freelancers can browse and bid on projects
- ✓ Project detail pages
- ✓ Simple messaging and contract acceptance
- ✓ Stripe Test API integration

6. Future Improvements

- Add payment gateway integration with Stripe/PayPal.
- Implement real-time chat system between clients and freelancers.
- Create dashboards for clients and freelancers.
- Add profile management for freelancers (skills, ratings, portfolio).
- Deploy frontend and backend to cloud platforms.

7. Conclusion

The Freelance Bidding Platform successfully demonstrates a MERN-based application that integrates authentication, project posting, bidding, and role-based workflows. It provides a foundation for building a full-scale freelance marketplace with payments, ratings, and chat systems in future versions.