Fiverr Clone Project Report

Abstract

This project is a full-stack freelance marketplace web application inspired by Fiverr. It enables buyers and sellers to connect, create gigs, exchange messages, and securely complete transactions using Stripe. The platform demonstrates a modern implementation of a MERN stack application with authentication, database integration, and a responsive UI.

Introduction

The Fiverr Clone project was built to simulate a real-world freelance services marketplace. The aim was to apply the MERN (MongoDB, Express, React, Node.js) stack in a practical project while learning about payment gateway integration, secure authentication, and modular application design.

Tools Used

- **Frontend:** React.js, Vite, React Router, Axios
- **Backend:** Node.js, Express.js
- **Database:** MongoDB with Mongoose
- **Authentication:** JWT
- **Payments:** Stripe API
- **Version Control:** Git & GitHub
- **Development Environment:** Visual Studio Code

Steps Involved in Building the Project

1. **Project Setup:** Initialized frontend (React) and backend (Node.js + Express) as separate modules in a single repository.
2. **Database Connection:** Connected the backend with MongoDB using Mongoose.
3. **Authentication:** Implemented user registration, login, and JWT-based authentication.
4. **Gig Management:** Added features to create, edit, and list freelance service gigs.
5. **Messaging & Reviews:** Enabled direct communication between buyers and sellers with feedback support.
6. **Payment Integration:** Integrated Stripe for secure online payments.
7. **Frontend Development:** Built reusable React components and connected them to the API.
8. **Testing & Deployment:** Tested key features and prepared for deployment.

Conclusion

The Fiverr Clone project successfully demonstrates the implementation of a MERN stack application. It integrates authentication, database management, and secure payments while maintaining a clean, modular architecture. This project served as a valuable learning experience in building real-world, full-stack applications with modern technologies.