**SYNOPSIS REPORT ON**

**MERN STACK FREELANCE APP**

**MASTER OF COMPUTER APPLICATIONS**

**Batch (2021-2023)**

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**Introduction**

Welcome to our Fiverr-like app, built with React, Tailwind CSS, Express, Node.js, and MongoDB! Our app is designed to connect skilled freelancers with clients who need their services.

With our app, freelancers can create profiles highlighting their skills, experience, and availability, and clients can browse these profiles and hire freelancers for their projects. Our app allows freelancers to set their own rates and work on projects that match their interests and expertise.

Our app also features a messaging system that allows clients and freelancers to communicate and collaborate on their projects. Payment is processed securely through our platform, so both clients and freelancers can trust that they will be paid fairly and on time.

Our app also has the feature of giving reviews to different users so other user also get to know about the service.

Using modern technologies like React, Tailwind CSS, Express, Node.js, and MongoDB, we have built a user-friendly and intuitive app that is responsive and easy to use on all devices. Our app is also scalable, so as our user base grows, our app can handle the increased demand.

**Requirement/Feasibility Study**

By Feasibility study of our app, we can identify potential risks and challenges and can make decision about the technical architect of our app.

**React:** React is a popular JavaScript library that is widely used for building user interfaces. React is known for its modular architecture, reusable components, and high performance. It is a good choice for building a Fiverr-like app as it allows for the creation of responsive and dynamic UI components.

**Node and Express:** Node is a JavaScript runtime environment that allows developers to run JavaScript code outside of the browser. Express is a popular web application framework for Node that provides a set of tools and utilities for building web applications. Node and Express are well-suited for building server-side applications that handle data processing and API requests.

**MongoDB:** MongoDB is a popular NoSQL database that is well-suited for storing and managing large amounts of unstructured data. It is a good choice for a Fiverr-like app as it allows for easy scalability and flexible data modelling.

**Stripe:** Stripe is a popular payment gateway that allows for easy integration with web applications. Stripe provides developers with a set of APIs and tools that make it easy to process payments securely and efficiently.

**-> Significance of our app**

Remote work is becoming increasingly popular: With the rise of the gig economy, more and more people are looking for ways to work remotely and earn money online. A platform like our app can provide a convenient and accessible way for freelancers and clients to connect and work together from anywhere in the world.

Access to a global talent pool: Our App will enable clients to access a wide range of freelance services from around the world, providing them with a global talent pool that they might not otherwise have access to.

Streamlined communication and collaboration: Our app will provide a convenient platform for freelancers and clients to communicate, collaborate, and share files, making it easier for them to work together and complete projects efficiently.

**Methodology/Planning of Work**

**Scope of our project:** Scope of the project is identify the features and functionalities that our app needs to have, and prioritize them based on their importance and feasibility.

**Design and Architecture:** Develop the architecture of your app, including the databaseschema, API endpoints, and overall application flow.

**Front-End Development:** Use React and Tailwind to develop the front-end of your app, including the user interface, user experience, and client-side logic. Focus on developing responsive and intuitive designs that provide a smooth user experience.

**Back-End Development:** Use Node, Express, and MongoDB to develop the back-end of your app, including the server-side logic, database management, and API integration. Ensure that the API endpoints are secure, scalable, and efficient.

**Payment Integration:** Integrate with Stripe to provide a secure and easy payment processing system for your app. Ensure that the payment processing is compliant with applicable laws and regulations, and that user data is protected.

**Deployment:** Deploy your app to a production environment, ensuring that it is hosted on a secure and reliable platform. Continuously monitor and optimize the performance of your app.

Technology/Tools/Language/Facilities required for proposed work.

**Hardware Requirements:**

A computer/Laptop with at least 8GB of RAM and a multi-core processor.

A reliable and fast internet connection. A mobile device for testing the mobile responsiveness of the app (optional) or we can test responsive of our app inside the browser by using inspect mode.

**Software Requirements:**

**Operating System:** Windows, macOS, or Linux.

**Code Editor:** Visual Studio Code, Sublime Text, or any other code editor of your choice.

**Node.js:** Install the latest version of Node.js to run the server-side code.

**MongoDB:** Install MongoDB Compass to manage the database of your app.

**Stripe API:** Sign up for a Stripe account and use their API to integrate payment processing into your app.

**React and Tailwind CSS:** Use React and Tailwind CSS to develop the front-end of your app by importing the their library.

**Express.js:** Use Express.js to develop the server-side of your app.

**Git:** Use Git for version control and collaboration with your team members.

**GitHub:** Use github so that other team members can access the code and made relivant changes or submit their Pull Request.

By ensuring that we have the necessary hardware and software requirements in place, and some good knowledge about the tech stack which we goona use in our app, we can develop our app efficiently and effectively.

**Bibliography**

We develop our app by using different Open-Source information available on web and here are some of the resources we use:

https://reactjs.org/docs/getting-started.html.

https://nodejs.org/en/docs/.

https://expressjs.com/en/starter/installing.html.

https://docs.mongodb.com/.

https://stripe.com/docs.

https://tailwindcss.com/docs.

https://scotch.io/tutorials/how-to-integrate-stripe-payments-with-node-js.

https://github.com/

https:://stackoverflow.com