



SYNOPSIS

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Social Networking App

Submitted By:

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Engineering

Submitted To:

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Title of the Project:

Social Networking App

Objective:

Enable seamless communication and connection, fostering relationships across distances.
Encourage active participation and community interaction through engaging features.

Scope:

The scope of this project includes developing a social networking app with features such as user profiles, messaging, news feed, and content sharing. The app aims to facilitate communication, promote user engagement, and provide a personalized experience while ensuring privacy and security for users' data.

Methodology:

The project will use Node.js for backend development, React.js for frontend, and MongoDB for database management. Tools include Git for version control, Docker for deployment, and Slack for communication. Security measures will include JWT for authentication and SSL/TLS protocols. Standard web hosting or cloud infrastructure will be used for hardware requirements.

Proposed System:

The proposed system is a social networking app facilitating user connections, communication, and interaction. It includes features like user profiles, news feed, messaging, and notifications. Users can sign up, create profiles, connect with friends, share posts, and engage with content, aiming to foster a user-friendly and engaging platform for community interaction.

Features:

User Profiles
News Feed
Notifications
Friend Connections
Post Sharing
Like and Comment Functionality
Customizable Settings

Implementation Plan:

Planning (Week 1-2): Define requirements, conduct research, create wireframes.

Development (Week 3-8): Set up environment, backend/frontend development, feature integration, iterative testing.

Testing (Week 9-10): Thorough testing, bug fixing, usability checks.

Deployment (Week 11-12): Prepare, deploy, optimize, launch.

Post-Launch (Ongoing): Monitor, support, update based on feedback and trends. Milestones: Backend, frontend completion, testing, deployment, and launch. Deadline: End of Week 12.

Technology Used:

Nodemon ,express ,jsonwebtoken ,mongoose ,morgan ,helmet ,multer
multer-gridfs-storage ,gridfs-stream ,dotenv ,cors ,body-parser .
react (react-router , react-dropbox , materialUI) .
VsCode , MongoDB , Formik , yup .

Team Members:

Rishi Mittal , Ujjawa Varshney => Backend(database , database model , server , security etc .) ;

Naman Kr. , Pilania , Aryan Dahiya => Frontend and Documentation(HTML, JS, Css , React , react-router , react-dropbox , materialUI , Synopsis and Report) .

Resources Required:

Software: IDE, Version Control, Database Management System, Design Tools, Communication Tools, Testing Frameworks.

Hardware: Computers/laptops, Testing Devices.

Cloud Services: Web Hosting, Database Hosting.

Internet Access: Reliable connection.

Human Resources: Development team, Project manager.

Budget: Funds for subscriptions and expenses.

References:

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O'Reilly, T., & Battelle, J. (2009). *Web Squared: Web 2.0 Five Years On*. Retrieved from https://assets.oreilly.com/pdf/missingmanuals/preview/wwtwo_preview.pdf

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Expected Outcomes:

A fully functional social networking application meeting requirements.

Deployment to production environment with positive user feedback.

Ongoing support and maintenance for app enhancements.

Project Supervisor:

Mr. Samarth Vohra

Conclusion:

In conclusion, our project aims to develop a user-friendly social networking application that fosters communication, connection, and engagement among users. With key features like user profiles, messaging, and news feed, our goal is to create a vibrant online community where users can share content, interact with friends, and stay connected. Through careful planning, implementation, and ongoing support, we strive to deliver a valuable platform that enhances the social experience for our users.