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SYNOPSIS

**ON**

**Real Estate Marketplace**

Submitted By: Submitted To:

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Q-32 (2115000974) Training and Placement Department

**Title of the Project:**

Real Estate Marketplace with MERN Stack

**Objective:**

The main objective of our project is to develop a comprehensive online Real Estate Marketplace to address the growing demand for a user-friendly platform that connects buyers, sellers, and real estate agents. Our solution aims to simplify the process of property buying, selling, and renting, providing a seamless and efficient experience for all stakeholders.

**Scope:**

Our project will cover the development of a web-based Real Estate Marketplace using the MERN (MongoDB, Express.js, React, Node.js) stack, Tailwind CSS for responsive design, Viet for internationalization, and Redux for state management. It will allow users to search, list, and manage real estate properties, view property details, contact agents, and perform various real estate transactions. However, it will not involve the actual property transaction process or legal aspects.

**Methodology:**

We will use the MERN stack for the core development, including React for the front-end, Node.js and Express.js for the back-end, and MongoDB for the database. Tailwind CSS will be employed for styling, Viet for internationalization, and Redux for state management. We will also utilize Git for version control, and deploy the project on cloud hosting services.

**Proposed System:**

Our proposed system is an online Real Estate Marketplace that enables users to search for properties, view detailed property listings, connect with real estate agents, and manage their property listings. Users can create accounts, post properties for sale or rent, and interact with other users through messaging features. The system will provide a user-friendly interface for property management.

**Features:**

* User registration and authentication
* Property search and filtering
* Detailed property listings with images and descriptions
* Contact real estate agents
* Property posting and management
* Responsive design for various devices

**Implementation Plan:**

1. Project Setup and Planning
2. Front-end development using React and Tailwind CSS
3. Back-end development with Node.js and Express.js
4. Database integration using MongoDB
5. User authentication and messaging system
6. Property listing and search functionality
7. Internationalization integration
8. Testing and debugging
9. Deployment to a cloud hosting platform
10. User acceptance testing and final refinements

**Team Members:**

Shrish Pandey

**Resources Required:**

* Computers with development environments
* MongoDB for database
* Hosting services
* Internet connection
* Code editors (e.g., VS Code)
* Git for version control

**References:**

* MERN Stack documentation
* Tailwind CSS documentation
* Redux documentation
* MongoDB documentation
* Online tutorials and articles related to real estate marketplace

**Expected Outcomes:**

We expect to deliver a fully functional Real Estate Marketplace that provides users with a seamless experience for buying, selling, and renting real estate properties. The project's outcome will be a working web application with all the defined features.

**Project Supervisor:**

Mr. Ankit Arora

**Conclusion:**

Our Real Estate Marketplace project aims to address the needs of individuals looking to engage in real estate transactions. With a user-friendly interface and a range of features, we hope to streamline the process and provide a valuable platform for both property buyers and sellers.