

## **Group Members:**

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## **Proposal for Real Estate Management System**

### **Objective:**

Develop a comprehensive **Real Estate Management System** with a React-based frontend and a Node.js backend, integrated with a relational SQL database to facilitate efficient property management and user interactions.

### **System Overview:**

The system will cater to three distinct user roles:

- **Admin:** Full control over user accounts, property listings, and rental agreements.
- **Dealer:** Access to their own properties for management (add, delete, update) and a tailored dashboard view.
- **Client:** Limited to viewing their rental agreements with no data modification permissions.

### **Core Features:**

#### **1. Role-Based Access Control:**

- Admin: View and manage all entities in the system.
- Dealer: Restricted property management linked to their account.
- Client: Simplified access to personal rental agreements.

#### **2. Dynamic Frontend:**

- User-friendly interface using **React**.
- Role-specific dashboards for personalized user experiences.

#### **3. Secure Backend:**

- Built with **Node.js** and Express.js for seamless API interactions.

#### **4. Database Management:**

- A relational database (SQL Server) to store and manage data for properties, users, and agreements.