

# Abstract –DreamNest

## Home Décor & Interior Design Platform

This project presents a **Home Décor and Interior Design Web Application** built using the **MERN stack (MongoDB, Express.js, React, Node.js)**. The platform bridges the gap between users seeking personalized interior design solutions and professional designers who can provide them.

The system supports **three types of users**:

1. **Users** – Can register/login, explore home décor inspirations, and communicate with designers. Users can upload photos of their own rooms, specify design requirements, and receive customized decorated room images in response.
2. **Designers** – Registered by the admin, designers can chat with users, review their requirements, and share personalized design solutions or edited images directly through the platform.
3. **Admin** – Has exclusive access to manage the system. Admins can register designers, manage users, and oversee content on the platform.

The application includes:

- A **homepage with transparent navigation** (Home, Products, Login, Signup) and an engaging heading introducing the platform's purpose.
- **User authentication** for login/registration with role-based access (Admin, Designer, User).
- **Product gallery / inspiration section** to explore room décor ideas by categories (living room, dining hall, bedroom, etc.).
- **Secure chat system with Socket.IO**, enabling real-time communication between users and designers.
- **Request-Response workflow**, where users submit room photos + requirements, and designers reply with tailored décor images.
- **Favorites/Saved ideas** feature for users to bookmark their preferred décor inspirations.

This platform not only showcases creative interior design ideas but also enables **personalized, interactive design consultation** online. By combining modern web technologies, secure authentication, cloud storage, and real-time communication, it creates a seamless and professional experience for both users and designers.