

## **Project Design Phase Solution Architecture**

Date	22-06-2025
Team ID	LTVIP2025TMID53224
Project Name	HouseHunt: Finding Your Perfect Rental Home
Maximum Marks	4 Marks

### **Solution Architecture:**

The solution architecture for HouseHunt is designed to offer a secure, intuitive, and scalable rental property platform connecting renters, property owners, and administrators. It ensures seamless property discovery, real-time booking, user verification, and transparent communication throughout the rental process.

- Real-time property search, filtering, and inquiry management
- Role-based dashboards for Renters, Owners, and Admin
- Scalable user authentication with JWT token-based access
- RESTful API communication between frontend and backend using Axios
- Cloud-ready deployment for MongoDB and Node.js services
- Mobile-responsive UI using React.js and Bootstrap
- Admin moderation and content approval workflows
- Messaging system between renters and property owners

## Example - Solution Architecture Diagram:

