








Project Design Phase Solution Architecture

Date	26 -05-2025
Team ID	LTVIP2025TMID53011
Project Name	HouseHunt: Finding Your Perfect Rental Home
Maximum Marks	4 Marks

Solution Architecture – HouseHunt

The solution architecture for HouseHunt ensures a scalable, secure, and intuitive rental platform that connects renters, property owners, and admins. The system is developed using the MERN stack (MongoDB, Express.js, React.js, Node.js) and supports role-based functionality for each user type.

Key Architectural Highlights:

-  Seamless property discovery and listing management
-  Real-time booking inquiry and status updates
-  Secure login and authentication for users, owners, and admins
-  Modular, RESTful backend APIs for scalability and maintenance
-  Efficient data flow between client (React), server (Express/Node), and MongoDB
-  Role-based dashboards with conditional rendering and access control
-  Admin panel for verifying listings, promoting trusted owners, and managing users

Example - Solution Architecture Diagram:

Solution Architecture

