

Project Design Phase
Proposed Solution

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| Date | 26-06-2025 |
| Team ID | LTVIP2025TMID56105 |
| Project Name | HouseHunt: Finding Your Perfect Rental Home |
| Maximum Marks | 2 Marks |

Proposed Solution for HouseHunt: Finding Your Perfect Rental Home

| S. No. | Parameter | Description |
|--------|---|--|
| 1 | Problem Statement (Problem to be solved) | Many users in semi-urban, student, and working-class areas face difficulties discovering suitable rental homes due to scattered listings, lack of verified platforms, and limited digital access. Property owners, particularly small landlords, also lack tools to showcase and manage their listings online, leading to low occupancy and communication gaps. |
| 2 | Idea / Solution Description | HouseHunt is a MERN-stack based web application that connects renters with property owners through a centralized, user-friendly interface. Renters can search properties using filters, send inquiries, and track booking status. Property owners can manage listings, respond to inquiries, and update availability. Admins oversee platform activity, verify listings, and maintain content quality. |
| 3 | Novelty / Uniqueness | - Designed specifically for semi-urban and student housing needs- Role-based dashboards for Renters, Owners, and Admins- Real-time booking/inquiry management- Listing verification and promotion by Admin- Built with modular, scalable architecture for future feature expansion |
| 4 | Social Impact / Customer Satisfaction | - Promotes digital inclusion for small property owners- Helps students and families find affordable rentals easily- Builds trust through verified listings- Enhances user experience with a clean, mobile-first UI- Encourages responsible housing management in local communities |
| 5 | Business Model (Revenue Model) | - Free-to-use base model for renters and property owners- Potential for premium listings or ad-based promotion- Verified badge subscriptions for owners- Future monetization via third-party integrations (e.g., rental insurance, utility services) |
| 6 | Scalability of the Solution | - Easily expandable to other cities, campuses, and towns- API-driven backend with room for mobile app integration (React Native)- Modular design supports adding new roles/features- Cloud deployable on platforms like Render, Vercel, or AWS- Capable of handling multi-region property data and filtering |