**Ideation Phase**

**Brainstorm & Idea Prioritization Template**

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| **Date:** | **27 june** |
| **Team id** | **LTVIP2025TMID53139** |
| **Project name:** | **House-hunt-Finding your perfect Rental home** |
| **Max marks:** | **4** |

**Brainstorm & Idea Prioritization Template**

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

**Step 1: Team Gathering, Collaboration, and Problem Statement Selection**

In the first phase, the team was assembled, ensuring a balanced distribution of skills across frontend development, backend development, UI/UX design, database architecture, and project documentation. Team members collaboratively discussed real-world problems in the real estate and rental space, especially the challenges faced by tenants and landlords in managing property listings, communication, and trust issues.

After in-depth discussions and review of common issues in the housing rental market, the team finalized the problem statement:  
**“To build House-Hunt – A Smart and User-Friendly Online House Rental Platform.”**  
This problem was selected based on its social relevance, technological scope, and its suitability for a full-stack development project.

**Step 2: Brainstorming, Idea Listing, and Grouping**

With the problem statement defined, the team initiated a brainstorming session to gather a variety of ideas addressing user needs, platform features, technological implementation, and pain points in the house rental ecosystem. Every idea was considered valid and was documented, regardless of complexity.

Ideas were later grouped into key thematic areas:

* **User Experience (UI/UX):**
  + Responsive and intuitive design
  + Advanced filters for price, location, and amenities
  + Interactive map integration
  + Easy-to-navigate property listing pages
* **Functional Features:**
  + User authentication and role-based access (Tenant, Landlord, Admin)
  + House posting form for landlords with image upload
  + Booking and scheduling house visits
  + Favorites/wishlist for properties
* **Backend/Business Logic:**
  + CRUD operations for houses and user accounts
  + Approval system for house listings (admin side)
  + Communication/chat system between tenant and landlord
  + Admin panel for moderation and analytics
* **Future Enhancements (Scope for Expansion):**
  + Integration with payment gateways for rent advance
  + Verified landlord badges and user rating systems
  + Mobile app version
  + AI-based property recommendations

**Step 3: Idea Prioritization**

The team evaluated all the proposed ideas using a **priority matrix** based on feasibility, time, impact, and technical constraints. Features were classified as **High Priority (V1.0)** and **Low/Medium Priority (V2.0 or future)**.

**✅ Key Features for V1.0:**

* User Registration and Login (JWT-based authentication)
* Role-based dashboard: Landlord / Tenant / Admin
* House listing form with image upload
* Property filtering (location, price, number of rooms)
* View property details page

 Add to Wishlist (for tenants)

 Admin panel to approve or reject listings

MongoDB Atlas integration for data storage