**Project Design Phase**

**Proposed Solution Template**

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| Date | 26-06-2025 |
| Team ID | LTVIP2025TMID61039 |
| Project Name | Rental Home: Finding Your Perfect Home |
| Maximum Marks | 2 Marks |

**Proposed Solution for Freelance Finder**

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| **S. No.** | **Parameter** | **Description** |
| **1** | **Problem Statement** (Problem to be solved) | Finding and renting a suitable home is often **time-consuming, stressful, and inefficient** for both tenants and landlords.  **Tenant Challenges**   * Rental listings are scattered across multiple platforms, often **outdated or incomplete**. * Tenants waste time visiting properties that do not match their requirements. * Lack of **trust and transparency** regarding property details and pricing. * Rent payment methods are often **manual, insecure, or inconvenient**. * Communication with landlords is unstructured and delayed. |
| **2** | **Idea / Solution Description** | The proposed solution is a **digital rental home platform (web & mobile app)** that connects tenants and landlords in a **secure, transparent, and efficient way**.  **Key Features**   * **For Tenants**   + Smart search & filters (location, budget, amenities).   + Verified property listings with photos, videos, and availability.   + Online booking & scheduling of property visits.   + Secure digital payments for rent and deposits.   + Digital lease agreement storage and signing.   + Real-time notifications and tenant–landlord chat. |
| **3** | **Novelty / Uniqueness** | 1. End-to-End Rental Journey on One Platform  Unlike existing platforms that only provide listings, this solution covers the entire rental lifecycle → search, booking, communication, payments, lease management, and notifications.  2. Verified & Trustworthy Listings  Integrated user and property verification system (ID proof, property ownership checks) to eliminate fake or misleading listings, which is a common problem in current rental platforms.  3. Smart Matchmaking  AI-powered recommendation engine suggests properties that best match a tenant’s budget, lifestyle, and preferences — going beyond simple filters. |
| **4** | **Social Impact / Customer Satisfaction** | 1. Social Impact  Improved Accessibility to Housing  Helps students, professionals, and families quickly find affordable, verified homes.  Trust & Transparency in Rentals  Reduces fraud, fake listings, and disputes by verifying users and properties.  Financial Security  Ensures safe digital transactions for rent and deposits, minimizing exploitation.  Paperless & Eco-friendly |
| **5** | **Business Model (Revenue Model)** | 1. Customer Segments  Tenants → Students, professionals, families searching for rentals.  Landlords / Property Managers → Individual property owners, agencies.  Admins / Platform Owners → Service operators managing the ecosystem.  ---  2. Value Proposition  For Tenants → Easy, transparent, and secure way to find and rent homes.  For Landlords → Faster o |
| **6** | **Scalability of the Solution** | 1. Technical Scalability  Cloud-Based Architecture → Hosting on AWS/Azure ensures the platform can handle growing traffic and data without downtime.  Modular Microservices Design → Each core function (search, payments, chat, notifications) can scale independently.  Database Scalability → Use of PostgreSQL/MongoDB with replication and sharding to support millions of property listings and users.  Cross-Platform Expansion → Built on React/Flutter → easily extended across web, iOS, and Android. |