NestFind: Business Requirement Specification

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1. Introduction

Document Purpose
This document outlines the business requirements and scope for developing an NestFind. It details the functional and non-functional requirements, business rules, and other constraints for the system.

Project Background
The current house rental market lacks a streamlined, transparent online system. Renters often face challenges in finding available properties and landlords in managing rentals efficiently. This project aims to develop a website to facilitate the house rental process, providing a seamless interface for both renters and landlords.

Goals of the Project
- Develop a website for renting houses and apartments online.
- Allow renters to search for properties, view details, and book rentals.
- Enable landlords to list properties, manage bookings, and communicate with renters.
- Improve transparency and efficiency in the rental market.

Customers and Stakeholders
Customers:

- - Individuals looking to rent houses or apartments.
  - Landlords seeking to rent out their properties.

Stakeholders:

- - Property management companies.
  - Real estate agents.
  - Housing associations.
  - Government regulatory bodies.

2. Business Requirements Overview

The NestFind will be a public web application aimed initially at the national market, with potential for future expansion. It will have two primary user types: renters and landlords.

- Renters: Can search for rental properties, view market rates, book rentals, and communicate with landlords.
- Landlords: Can list their properties, manage rental applications, and handle communications with renters.

The system will be maintained by an administrator who ensures its smooth operation.

3. Functional Requirements Overview

The system consists of four main modules:

1. Renter Module
2. Landlord Module
3. Admin Module
4. Notification Module

3.1 Renter Module

- Renters can register and create their accounts.
- Renters can search for properties based on various criteria (location, price, type).
- Renters can view detailed property information, including photos, amenities, and rental terms.
- Renters can book properties and manage their rental applications.
- Renters can communicate with landlords through the platform.

3.2 Landlord Module

- Landlords can register and create their accounts.
- Landlords can list their properties with detailed descriptions, photos, and rental terms.
- Landlords can manage booking requests and communicate with renters.
- Landlords can update property availability and pricing.

3.3 Admin Module

- Administrators can manage user accounts (renters and landlords).
- Administrators can oversee property listings and ensure compliance with platform policies.
- Administrators can access transaction records and platform analytics.
- Administrators can handle disputes and provide customer support.

3.4 Notification Module

- The system will send automated notifications to users regarding booking confirmations, inquiries, and other relevant updates.
- Users will receive feedback messages about the completion of transactions and rental agreements.

4. Non-functional Requirements

- User Interface: The website should have a professional design with a user-friendly interface and intuitive navigation.
- Scalability: The system should support a high volume of users, targeting between 5 and 10 million users upon launch.
- Usability: The website must adhere to general usability guidelines, ensuring accessibility and ease of use for all users.
- Performance: The system should be optimized to handle user actions efficiently, minimizing the number of steps required to complete tasks.
- Security: The platform must ensure data privacy and secure transactions to protect user information and prevent unauthorized access.