

Project Identification Phase

DATE	22JUN 2025
TEAM ID	LTVIP2025TMID57110
PROJECT NAME	HOUSEHUNT-FINDING YOUR PERFECT RENTAL HOME
MAX MARKS	

1. Project Overview

Description: A web application designed to facilitate the process of finding and renting houses. The application allows users to search for properties, view details, and manage bookings.

2. Repository Structure

The repository contains the following key directories and files:

Directory/File Path	Description
.git/	Contains all the version control information for the project.
Document/	Contains documentation files.
Document/HouseHunt_D.pdf	Project specifications or user guides.
Document/readme.md	Overview of the project, installation instructions, and usage guidelines.
Video Demo/	Contains video files demonstrating the application's functionality.
backend/	Contains server-side code and configuration files.
backend/config/connect.js	Database connection configuration.
backend/controllers/	Contains various controllers for handling business logic.
backend/middlewares/	Contains middleware functions for request handling.
backend/routes/	Contains route definitions for the API.
backend/schemas/	Contains database schemas/models.
backend/package.json	Lists dependencies and scripts for the backend.
frontend/	Contains client-side code.
frontend/public/index.html	The main HTML file for the frontend application.
frontend/src/	Contains React components, styles, and images.

frontend/package.json	Lists dependencies and scripts for the frontend.
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3. Technologies Used

- Frontend:
 - React.js for building user interfaces.
 - CSS for styling.
 - Various libraries (as indicated in package.json).
- Backend:
 - Node.js and Express.js for server-side logic.
 - MongoDB or another database (as indicated in the connect.js file).
- Version Control: Git for source code management.

4. Key Features

Feature	Description
User Authentication	Users can create accounts and log in to manage their profiles.
Property Search	Users can search for properties based on various criteria (location, price).
Booking Management	Users can book properties and manage their bookings through a dashboard.
Admin Dashboard	Admins can manage users and properties, view statistics, and handle requests.

5. Goals and Objectives

- To create a user-friendly platform for house rentals.
- To provide a seamless experience for both renters and property owners.
- To implement robust security measures for user data.
- To ensure scalability and maintainability of the codebase.

6. Stakeholders

- Users: Individuals looking to rent properties.
- Property Owners: Individuals or companies listing properties for rent.
- Administrators: Users managing the platform and ensuring smooth operations.

7. Next Steps

- Conduct a detailed analysis of the existing codebase.
- Identify areas for improvement or additional features.
- Plan the development and deployment phases.

8. Visual Representation

8.1 Project Structure Diagram

```
househunt-project/
├── .git/
├── Document/
│   ├── HouseHunt_D.pdf
│   └── readme.md
├── Video Demo/
│   ├── ExecutionVideo.mp4
│   └── readme.md
├── backend/
│   ├── config/
│   │   └── connect.js
│   ├── controllers/
│   ├── middlewares/
│   ├── routes/
│   ├── schemas/
│   ├── package.json
│   └── package-lock.json
├── frontend/
│   ├── public/
│   │   └── index.html
│   ├── src/
│   ├── package.json
│   └── package-lock.json
```

Conclusion

This identification phase provides a comprehensive overview of your project, outlining its structure, technologies, goals, and stakeholders. The visual representations help clarify the project structure and key features. If you have specific images or tables you would like to include, please provide them, and I can assist in formatting or integrating them into this document!