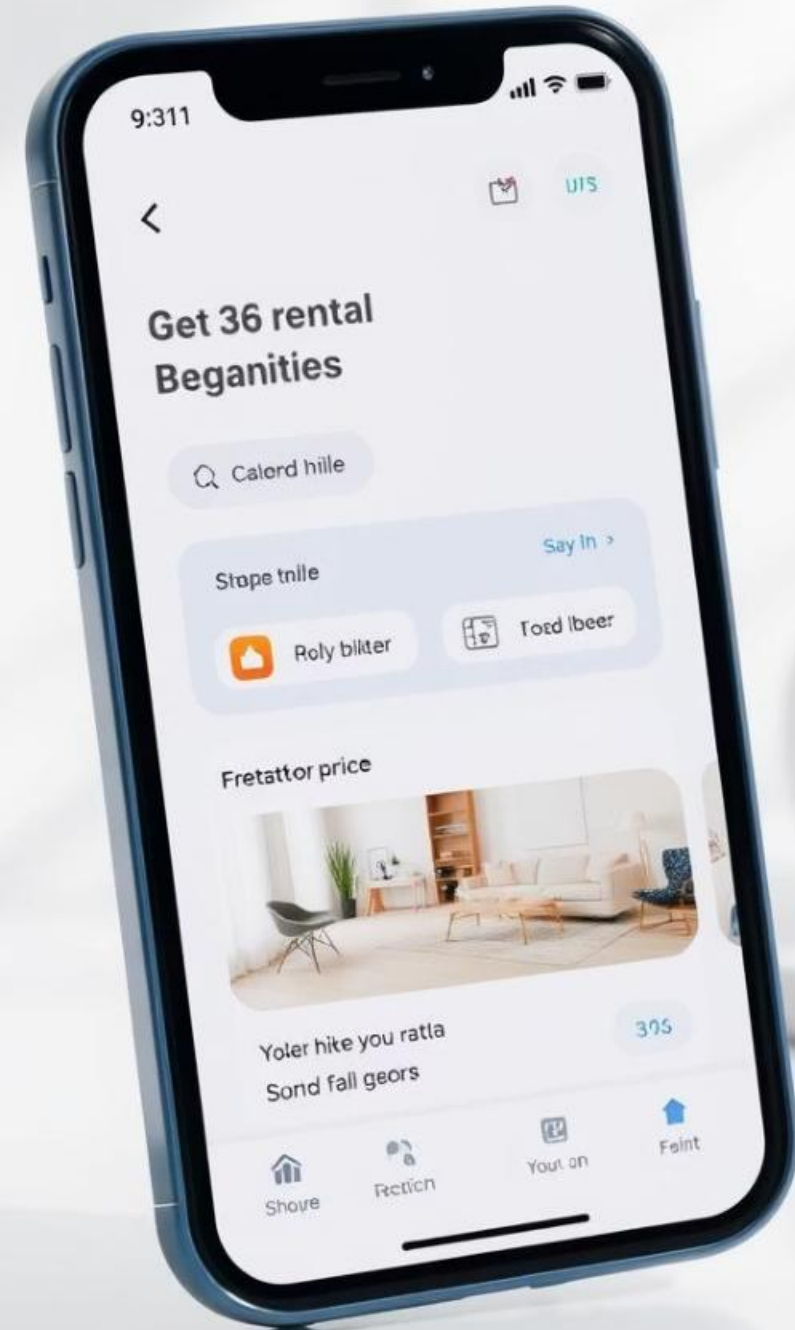


# A Smart Rental Booking Application

Team members, guide, and institution details are included. Submission date noted.





# Introduction to Online Rental Platforms

- What is Wanderlust?  
Leading online marketplace for short-term rentals.
- Project Objective  
Create a smart, user-friendly rental booking app.
- Application Scope  
Supports hosts and guests with real-time bookings.
- Significance  
Enables seamless, trusted online rental experiences.

# Identified Problems in Rental Booking



## Verification Issues

Difficulty accessing authentic rental listings.

## Platform Fragmentation

No single hub for hosts and guests.

## Manual Booking Problems

Time-consuming, error-prone booking processes.

# Proposed Solution Overview

## Booking Platform

Web and mobile application for property bookings.

## User Verification

Ensuring genuine host and guest profiles.

## Real-Time Features

Instant booking confirmation and review system.

# System Architecture Design

Frontend

HTML-CSS-JS.

Backend

Node.js, Express.js

Database & APIs

MongoDB with RESTful API  
integration.

# Application Modules



## User Module

Signup, profile, bookings management.



## Host Module

Property listings, availability control, pricing.



## Admin Module

User management and listing verification.



## Search & Filter

Efficient property discovery options.



## Booking & Payment

Secure transactions and booking confirmation.



## Review & Rating

Feedback to build trust and quality.





# UML Diagrams for System Modeling



## Use Case Diagram

Defines system interactions with users.



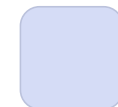
## Class Diagram

Shows data structures and relationships.



## Sequence Diagram

Details process workflows and message flows.



## Activity Diagram

Visualizes operational workflows and control flow.

# Technology Stack Overview

Frontend

ReactJS

Backend

Node.js, Express JS

Database

MongoDB

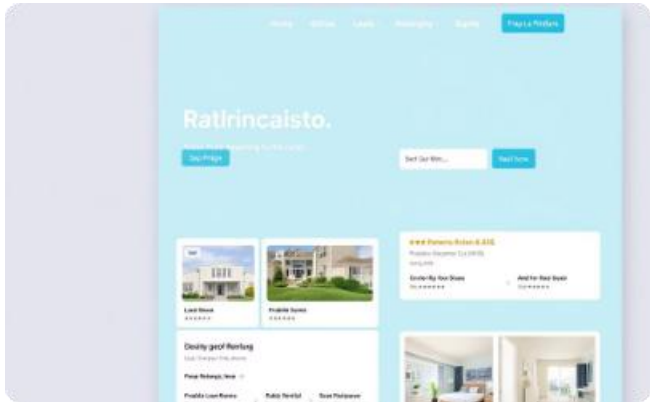




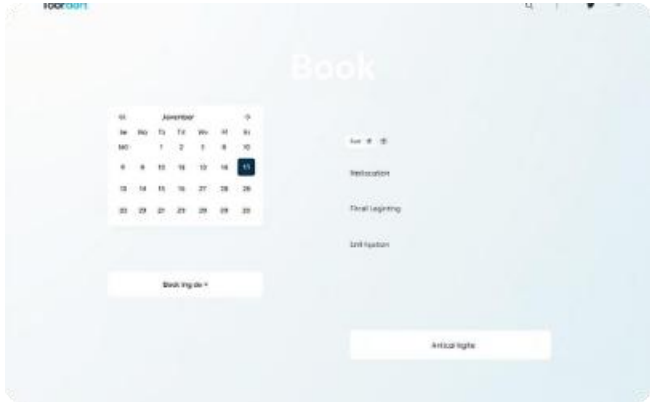
# Application Interface Screenshots



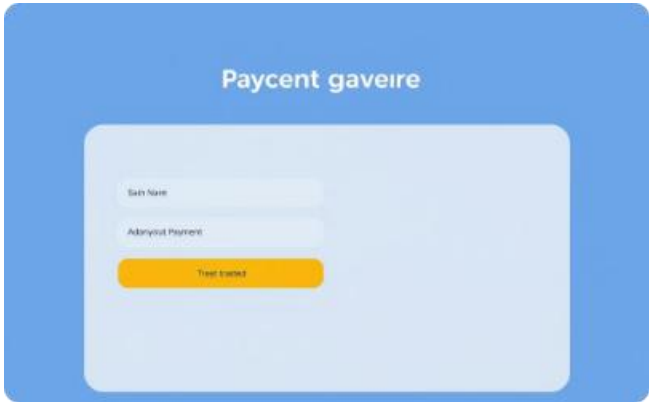
Homepage



Property Listing



Booking Page



Payment Gateway



Admin Dashboard



# Testing and Validation Process

## Unit Testing

Verifies individual components for correctness.

## Integration Testing

Ensures modules work together seamlessly.

## User Acceptance Testing

Validates application with real-user scenarios.