

Room Wala
A PROJECT REPORT
for
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Submitted by
Nitish Jha
2300290140110
Divye Gupta
2300290140059
Dolly Gupta
2300290140060
Jigyasa Tripathi
2300290140083

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Under the Supervision of
Dr. Neelam Rawat
Assistant Professor



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KIET Group of Institutions, Ghaziabad
Uttar Pradesh-201206

CERTIFICATE

Certified that Nitish Jha 2300290140110, Divye Gupta 2300290140059, Dolly Gupta 2300290140060, Jigyasa Tripathi 2300290140083 have carried out the project work having “Room Wala” (Mini-Project-KCA353) for Master of Computer Application from Dr. A.P.J. Abdul Kalam Technical University (AKTU) (formerly UPTU), Lucknow under my supervision. The project report embodies original work, and studies are carried out by the student himself/herself and the contents of the project report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.

Dr. Neelam Rawat
Assistant Professor
Department of Computer Applications
KIET Group of Institutions, Ghaziabad

Dr. Arun Tripathi
Head
Department of Computer Applications
KIET Group of Institutions, Ghaziabad

Signature of Internal Examiner

Signature of External Examiner

Room Wala
Nitish Jha , Divye Gupta, Dolly Gupta, Jigyasa Tripathi

ABSTRACT

Room Vala: Simplifying the Search for PGs and Hostels

Room Vala is a user-centric platform designed to make finding PGs and hostels effortless for students and working professionals. With its intuitive interface, advanced filtering options, and real-time availability updates, Room Vala ensures users can discover accommodations that perfectly align with their preferences. The platform focuses on convenience and personalization to redefine the way individuals search for living spaces.

Room Vala offers a responsive and user-friendly design that is accessible on both web and mobile platforms. It features advanced filtering options based on budget, location, and amenities, making it easier for users to find their ideal accommodations. With real-time availability updates and instant booking options, the platform ensures a seamless and efficient booking experience. Additionally, personalized recommendations and reviews help users make well-informed decisions.

Room Vala is committed to revolutionizing the accommodation search experience by providing a seamless, efficient, and trustworthy platform for its users.

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**Nitish Jha
Divye Gupta
Dolly Gupta
Jigyasa Tripathi**

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Chapter 1

Introduction

In today's dynamic and fast-paced world, finding suitable accommodations like PGs or hostels can be a daunting task for students and working professionals. Traditional methods, such as browsing through fragmented listings, relying on word-of-mouth recommendations, or dealing with unverified agents, often lead to frustration, inefficiencies, and missed opportunities.

Room Wala was developed to address these challenges by offering a comprehensive platform built on modern technology to streamline the accommodation search process. Leveraging the powerful MERN stack (MongoDB, Express.js, React.js, Node.js) and hosted on Vercel for lightning-fast performance, **Room Wala** provides a seamless experience for users to explore, filter, and secure living spaces that cater to their unique needs.

With its intuitive design and advanced features, Room Wala empowers users to:

- Effortlessly search and filter PGs and hostels based on budget, location, and preferences.
- Access verified listings with real-time availability updates for quick decision-making.
- Engage with accommodation providers through secure and direct communication.

By focusing on user-centric design, robust performance, and adaptability, Room Wala aims to redefine how accommodations are discovered and booked. In an era where convenience and personalization are paramount, Room Wala is poised to become the go-to platform for hassle-free living solutions, especially for the ever-growing student and professional communities.

1.1.1.Features of Room Wala

Room Wala offers a range of features that make it stand out as a collaborative platform for developers. These features are designed to enhance productivity, streamline workflows, and improve communication among development teams.

1.1.1.1 Real-Time Collaboration

One of the standout features of Room Wala is its ability to provide real-time availability and updates for PGs and hostels. This ensures that users always have access to the most current and accurate information about accommodations. With real-time updates, Room Wala ensures:

- **Instant Access to Availability:** Users can view the latest room availability without delays, minimizing the risk of booking conflicts.
- **Automatic Notifications:** Receive alerts about new listings or changes in existing accommodations that match your preferences.
- **Dynamic Updates for Listings:** Landlords and property owners can instantly update room status, ensuring the platform remains reliable and up-to-date.

This feature is particularly valuable for students and professionals who need to find accommodation quickly and efficiently. It eliminates the frustration of encountering outdated listings or unavailable rooms, streamlining the entire process.

For instance, if a room becomes available in a sought-after location, a user searching for a similar listing will be notified immediately, allowing them to act quickly and secure their preferred accommodation.

1.1.1.2 Responsive Design

The responsive design of Room Wala ensures seamless access across a variety of devices, including desktops, tablets, and smartphones. By adapting to different screen sizes and orientations, the platform maintains its usability and functionality, regardless of the device being used.

This feature is essential for students and professionals who may search for accommodations from different locations and devices:

- **Desktop Version:** Perfect for detailed searches and comprehensive comparisons, the desktop interface offers a full-featured experience for users.
- **Mobile Version:** Enables users to browse listings, make inquiries, and get updates on-the-go with a simplified yet efficient interface.
- **Tablet Version:** Strikes a balance between portability and functionality, ideal for users needing more screen space while remaining mobile.

Room Wala's responsive design leverages modern frameworks like Flexbox and CSS Grid, allowing elements to adjust dynamically to any screen size. This ensures that users can easily search for accommodations, view details, and connect with property owners no matter where they are or what device they use.

1.1.2 Advantages of Room Wala

Room Wala offers several advantages, making it an essential platform for students and professionals seeking accommodations. By providing tailored search options, real-time availability updates, and detailed listings, it simplifies the process of finding the perfect PG or hostel. With a responsive design and user-friendly interface, Room Wala ensures seamless access across devices, enabling users to browse, compare, and connect with property owners effortlessly. Its focus on customization and transparency makes it a reliable and efficient solution for modern accommodation needs.

1.1.2.1 Enhancing Accommodation Discovery

One of the standout features of Room Wala is its ability to revolutionize the way users discover and secure accommodations. Traditional methods of finding hostels and PGs often involve time-consuming visits and incomplete information. Room Wala eliminates these challenges by:

- Providing comprehensive property listings with detailed descriptions, photos, and amenities to give users a clear idea of what to expect.
- Offering advanced filters to help users refine their search based on location, budget, and preferences, saving time and effort.
- Enabling direct communication with property owners, streamlining the process of securing accommodations and clarifying any queries.

This innovative approach is particularly beneficial for students and working professionals who may not have the time for exhaustive property searches. Room Wala fosters a culture of transparency and efficiency, making the process of finding the perfect living space seamless and stress-free.

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1.2 Purpose and Scope

The purpose of **Room Wala** is to address common issues faced by development teams, particularly those working remotely or across different time zones. These issues include lack of real-time collaboration, difficulty in maintaining code consistency across multiple contributors, and inefficient communication methods.

The platform was built with the following objectives in mind:

- **To simplify collaboration:** Room Wala integrates all the necessary tools for real-time collaboration, allowing developers to focus on the task at hand rather than on managing communication or version control.
- **To ensure smooth communication:** With live chat, notifications, and real-time updates, Room Wala eliminates the need for constant back-and-forth communication.
- **To create a flexible environment:** Developers have the flexibility to customize their workspace, adjusting the interface and workflow to suit their needs.

1.2.1 Objectives

The specific objectives of Room Wala include:

- **Creating a collaborative platform:** Room Wala aims to simplify coding collaboration by offering tools for real-time code sharing, team messaging, and collaborative debugging.
- **Providing real-time updates and notifications:** Users will be notified of any code changes, messages, or updates in real time, ensuring smooth collaboration.
- **Offering customization:** Developers can customize their workspace and interface, choosing themes, adjusting layouts, and modifying notifications according to their preferences.

1.2.2 Challenges Addressed

Room Wala directly addresses several key challenges faced by modern development teams:

- **Real-Time Collaboration:** Many traditional coding platforms lack real-time collaboration features, requiring manual synchronization of changes. Room Wala provides a seamless, real-time editing experience.

- **Project Consistency Across Remote Teams:** Remote development teams often struggle with maintaining project consistency. Room Wala ensures that all developers are working on the most up-to-date version of the project, reducing errors and version conflicts.

1.3 User Experience (UX) Approach

Room Wala is built with a strong emphasis on delivering a seamless and user-friendly experience, catering to students and professionals searching for accommodations. The UX design focuses on accessibility, ease of use, and personalization:

- **Clean and Intuitive Layout:** The platform's design is minimalistic, ensuring users can browse listings and access information without unnecessary distractions.
- **Effortless Navigation:** A straightforward menu system with clear categories and filters allows users to find accommodations quickly and efficiently.
- **Personalization Features:** Room Wala offers customization options such as saving preferences, bookmarking listings, and setting notification alerts for new properties that match user criteria.

Room Wala's UX design also prioritizes accessibility, ensuring inclusivity for all users. Features like responsive design for various devices, easy-to-use filters, and detailed property descriptions cater to the diverse needs of its audience. This approach ensures that users can confidently find accommodations tailored to their preferences with minimal effort.

1.4 Key Technologies Used

Room Wala utilizes cutting-edge technologies to deliver a fast, reliable, and scalable platform for students and professionals looking for accommodations:

- **React** for frontend development, ensuring a smooth, dynamic, and responsive user interface across devices.
- **Node.js and Express.js** for backend development, enabling fast data processing and handling a large number of users simultaneously.
- **MongoDB** for storing user data and accommodation listings, providing flexibility and scalability to manage a growing database.
- **Socket.IO** for real-time updates, allowing users to receive instant notifications about new listings, availability, and other important updates.

These technologies make Room Wala a highly efficient platform that can scale to meet the demands of users while maintaining a smooth, interactive, and user-friendly experience.

4o mini

1.5 Future Enhancements

Future updates to Room Wala will focus on enhancing its functionality and user experience to better serve students and working professionals in their search for accommodations:

- **Smart Recommendation Engine:** Room Wala will introduce an AI-driven

recommendation system that suggests accommodations based on user preferences, budget, and location, helping users find their ideal place more efficiently.

- **Virtual Room Tours:** To improve the decision-making process, Room Wala will integrate 360-degree virtual tours of listed accommodations, allowing users to explore rooms and facilities remotely, giving them a better sense of the space.

- **Increased Integration with Payment Systems:** Room Wala will expand payment options, integrating with popular payment platforms to allow seamless transactions for booking and deposits, providing a secure and hassle-free experience for both tenants and landlords.

- **Rating and Review System:** Users will be able to rate and review properties, which will help other potential tenants make informed decisions based on past experiences.

- **Chatbot Assistance:** A chatbot will be introduced to answer common queries, guide users through the property search process, and help them with booking procedures, offering 24/7 assistance.

- **Enhanced Mobile App Features:** The Room Wala mobile app will receive updates to further enhance usability, including features like location-based search, one-click booking, and real-time notifications.

- **Community Engagement Features:** Room Wala will introduce community-based features, such as group chats for local area recommendations, event listings, and tenant meetups, fostering a sense of community among users.

By focusing on these future updates, Room Wala aims to further streamline the accommodation search process, making it easier and more efficient for users to find the perfect room or PG according to their needs.

Chapter 2

Feasibility Study

Feasibility Study

The Feasibility Study for Room Wala evaluates the potential success of the platform in providing students and working professionals with a seamless way to search for and find accommodation. This comprehensive analysis includes an examination of the technical feasibility, operational feasibility, economic feasibility, and risk factors involved in the development and maintenance of the website. By understanding each aspect in detail, we can assess whether Room Wala can be effectively developed, deployed, and maintained in real-world scenarios.

2.1 Technical Feasibility

The **technical feasibility** of **Room Wala** focuses on the practical aspects of the project's technology stack, its scalability, performance requirements, and the potential challenges in its development and deployment.

Technology Stack:

Room Wala employs a modern and scalable technology stack to ensure that the platform performs well under varying loads, providing a seamless user experience across devices. The core technologies used include:

1. Frontend Development:

- a. **React:** React is used for building the platform's user interface, providing a dynamic and responsive experience for users. Its component-based architecture makes it easy to maintain, extend, and scale the platform. React's

virtual DOM enhances performance, ensuring fast updates when users interact with the site.

- b. **Redux:** For managing the application state, Redux helps maintain consistency across various user interfaces, such as property searches, filters, and user profiles, ensuring that the user's preferences and choices are saved efficiently.

2. Backend Development:

- a. **Node.js:** Node.js is used for its non-blocking, event-driven model, which makes it ideal for handling multiple user requests concurrently. This is particularly beneficial for real-time updates, such as new property listings or booking confirmations.
- b. **Express.js:** Express simplifies server-side development by providing routing and middleware functionalities that facilitate seamless communication between the frontend and backend.

3. Database Management:

- a. **MongoDB:** A NoSQL database like MongoDB is chosen for its flexibility and scalability. The database stores user information, property listings, bookings, and reviews, which is crucial for a platform like Room Wala that needs to handle large amounts of dynamic, unstructured data.

4. Real-Time Communication:

- a. **Socket.IO:** Room Wala uses Socket.IO for real-time communication, enabling live chat between users and landlords, instant notifications about new listings or availability, and real-time booking updates.

Performance Considerations:

- To ensure Room Wala handles high traffic with minimal lag or downtime, the platform will be hosted on scalable cloud services like **AWS** or **GCP**, allowing resources to expand as needed. **Load balancing** will distribute traffic across multiple

servers, preventing bottlenecks during peak periods. The use of **auto-scaling** will dynamically adjust server capacity based on demand. Additionally, **CDN** integration will reduce latency by caching content closer to users, while **database optimization** with **replication** and **sharding** will ensure fast and reliable data access. These measures will guarantee a seamless experience for all users.

Scalability:

As Room Wala's user base grows, the platform will scale both horizontally (adding more servers) and vertically (upgrading server capacity). Cloud services like **AWS** and **GCP** will provide the flexibility to scale dynamically, ensuring optimal performance. The database will leverage **horizontal scaling** through **sharding**, allowing data to be distributed efficiently across multiple servers. This approach will ensure the platform can handle increasing demand while maintaining fast load times and a seamless user experience.

Challenges:

- **Real-Time Syncing:** Maintaining real-time updates, such as availability or new listings, across multiple devices can be challenging. This requires optimization of data flow to ensure users always have access to the latest information.
- **Data Consistency:** Managing real-time changes in listings or availability from multiple users and landlords poses a risk of data inconsistency. Solutions like versioning and conflict resolution will be implemented to mitigate this risk.

2.2 Operational Feasibility

The operational feasibility of Room Wala evaluates the practicality of implementing the platform within existing operational environments and ensuring it operates smoothly for end-users.

User Interface (UI) and User Experience (UX):

- **UI Design:** Room Wala's UI is designed with simplicity and ease of use in mind. The platform offers an intuitive layout that allows users to search for accommodations, filter results, and view detailed property information with minimal effort. It's designed to reduce cognitive load, making it user-friendly even for first-time users.
- **UX Features:** The platform is responsive, meaning it adapts to desktops, tablets, and smartphones. Whether users are searching for properties from home or on the go, the experience remains seamless and functional across devices..

Integration with Existing Tools:

- **Payment Gateways:** Integration with payment systems like Razorpay or PayPal ensures that booking a property or paying deposits is fast and secure.
- **Maps Integration:** Google Maps API integration helps users visually locate available accommodations and estimate travel times, aiding decision-making.
- **Social Media Login:** Users can quickly sign up or log in using their social media accounts like Facebook or Google for a smoother onboarding process.

Ease of Use:

Room Wala is designed to be user-friendly and intuitive, ensuring a seamless experience for both students and working professionals. The platform requires minimal setup, allowing

users to quickly find PGs or hostels based on their preferences. Clear navigation, along with detailed guides and FAQs, helps new users get started with ease. The design focuses on simplicity and ease of use, ensuring that users can effortlessly browse listings, filter results, and connect with property owners without unnecessary complexity. This approach minimizes cognitive load, allowing users to focus on finding the perfect accommodation.

Challenges:

- **Adoption:** Some users may be hesitant to switch from traditional methods of searching for accommodation (e.g., word-of-mouth or using local agents). Room Wala's user-friendly design and targeted marketing strategies will be key to addressing this challenge.
- **Customer Support:** Providing effective customer support is crucial to address inquiries from students and professionals. Room Wala plans to implement live chat and AI-based chatbots to answer frequently asked questions and provide instant support.

2.3 Economic Feasibility

Economic feasibility evaluates whether the platform can generate enough revenue to cover development and operational costs and become profitable in the long run.

Development Costs:

Initial development costs include:

- **Labor:** The costs include salaries for the development team, designers, product managers, and marketing staff, as well as the cost of hiring customer support personnel to handle inquiries.
- **Software Licenses:** Although many tools used in Room Wala, like React and Node.js, are open-source, paid services like cloud hosting, payment gateways, and third-party integrations may incur additional costs.
- **Infrastructure:** Hosting services such as AWS or Vercel will be required for maintaining the platform's availability, and the cost of bandwidth, storage, and security will factor into operational expenses.

Revenue Model:

Room Wala will adopt a combination of the following revenue models:

- **Commission-Based Fees:** Charging landlords or property managers a commission for each successful booking made through the platform.
- **Subscription Plans:** Offering premium listings or services for landlords, such as enhanced visibility or featured properties, for a monthly subscription fee.
- **Advertisement:** Displaying ads to users on the free version of the platform.

Return on Investment (ROI):

Given the growing demand for affordable and flexible housing solutions, Room Wala is expected to generate steady revenue, especially as more users and landlords join the platform. With proper marketing and user acquisition strategies, the platform is expected to break even within the first year.

Cost-Benefit Analysis:

While development costs may be high initially, the long-term benefits—such as operational efficiency, scalability, and increased market share—will result in substantial returns, particularly as remote work and student housing demand rise.

2.4 Risk Analysis

This section evaluates potential risks involved in developing, deploying, and maintaining Room Wala and strategies for mitigating these risks.

Technical Risks:

- **Data Security:** As Room Wala handles sensitive user data, it is crucial to implement strong encryption and authentication protocols to prevent data breaches. Regular security audits will also be conducted to ensure the platform is secure.
- **Scalability Challenges:** As traffic increases, Room Wala must ensure that the infrastructure can scale effectively. Implementing horizontal scaling and load balancing can address this risk.

Operational Risks:

- **User Adoption:** Convincing users to rely on an online platform instead of traditional methods for accommodation booking can be a challenge. Room Wala's marketing campaigns, along with an easy-to-use interface, will help mitigate this risk.

- **Platform Downtime:** Any downtime can affect user experience and trust. Room Wala will implement a disaster recovery plan and regular backups to ensure high availability.

Economic Risks:

- **Slow User Growth:** If the platform doesn't gain traction quickly, it could face challenges in reaching profitability. This risk can be mitigated through partnerships, targeted promotions, and a strong social media presence.

2.5 Summary of Findings

In conclusion, Room Wala is technically feasible with a modern technology stack capable of handling high traffic and scaling as the user base grows. Operationally, the platform fits well within the current accommodation ecosystem and integrates effectively with other tools, making it easy for users to search for and book accommodations.

Economically, the platform has significant revenue potential through commission-based fees, subscriptions, and advertising. However, the platform will need to address challenges like user adoption and data security to ensure long-term success.

By addressing these risks and focusing on a seamless user experience, Room Wala has the potential to become a leading solution in the accommodation sector, helping students and professionals find the right place to live based on their preferences.

Chapter 3

Design

The design of **Room Wala** focuses on a seamless user experience, scalable architecture, and efficient collaboration. The system is built using modern technologies, ensuring flexibility, maintainability, and real-time collaboration for its users. Below, we describe the **Frontend Architecture** and **Backend Architecture** in details

3.1 Frontend Architecture

The frontend architecture of Room Wala focuses on providing a user-friendly, responsive, and efficient interface for users searching for accommodation. The design ensures an optimal experience across various devices and screen sizes. The frontend is built using modern web technologies to ensure scalability and maintainability.

Key Features of Frontend Architecture:

1. **Component-Based Architecture:**
 - a. The front end is developed using React, allowing the creation of reusable components like property listings, search filters, maps, and user profiles.
 - b. Components are modular, making the platform easy to maintain, extend, and improve over time.
2. **State Management:**
 - a. **Redux** will be used to manage global state, including user preferences, saved listings, and search results.
 - b. The use of Redux ensures that changes made by users (e.g., filtering results, saving listings) are reflected consistently throughout the platform.

3. **Real-Time Collaboration Integration:**

- a. CSS Grid and Flexbox will be used to ensure the platform adapts seamlessly across devices like desktops, tablets, and smartphones.
- b. The layout will adjust key components such as search filters, property cards, and maps, ensuring accessibility and usability on all platforms.

4. **UI/UX Design:**

- a. The platform will adopt a clean, intuitive UI with easy-to-navigate sections, such as property search, detailed view, and contact options.
- b. Tools like **Material-UI** or **Bootstrap** will ensure consistent design across the platform, while also optimizing for accessibility, such as keyboard navigation and screen reader support.

Flow of Frontend Architecture:

- **User Search:** Users can search for PGs or hostels based on location, budget, and amenities. The front end communicates with the backend to fetch relevant listings in real time.
- **Property Viewing:** Once a user selects a property, they can view detailed information, contact details, and availability status.
- **User Profile & Actions:** Users can create accounts, save listings, and contact property owners, all reflected immediately on the UI.

3.2 Backend Architecture

The backend architecture of Room Wala is designed to handle user data, property listings, and communication between users and property owners efficiently. It is built using Node.js and Express.js, ensuring scalability and real-time interactions between users and property owners..

Key Features of Backend Architecture:

1. Node.js and Express.js:

- a. **Node.js** allows handling multiple concurrent connections, which is vital for real-time interactions like messaging or booking properties.
- b. **Express.js** is used to set up a RESTful API that facilitates communication between the frontend and backend for various operations like fetching property data, user authentication, and updating user profiles.

2. User Authentication and Authorization:

- a. **JWT (JSON Web Tokens)** will be used for authentication. After logging in, users will receive a token to validate their identity in subsequent requests.
- b. The backend ensures that users can only access their own profiles, save preferences, and contact property owners through appropriate authorization checks.

3. Database Management:

- a. **MongoDB** will be used to store property data, user profiles, and inquiries. MongoDB's flexibility allows dynamic changes to the schema as Room Wala expands, accommodating diverse data like photos, amenities, and pricing.
- b. **Mongoose**, an ODM for MongoDB, will be used to model the data, providing a streamlined way to interact with the database.

4. **Real-Time Communication:**

- a. **Socket.IO** will facilitate real-time communication, allowing property owners and potential tenants to chat live, discuss details, and resolve inquiries immediately.
- b. Changes in property availability, new listings, and messaging notifications will be updated in real-time across the platform.

5. **API Endpoints:**

- a. The backend will expose RESTful APIs for handling user registration, login, saving preferences, property management, and real-time messaging.
- b. The common HTTP methods (POST, GET, PUT, DELETE) will be used to manage data like adding a new property, updating listing details, or deleting a user account.

6. **File Storage:**

- a. Property images, floor plans, and other media will be stored on cloud services like **Amazon S3** to ensure scalability and easy retrieval.

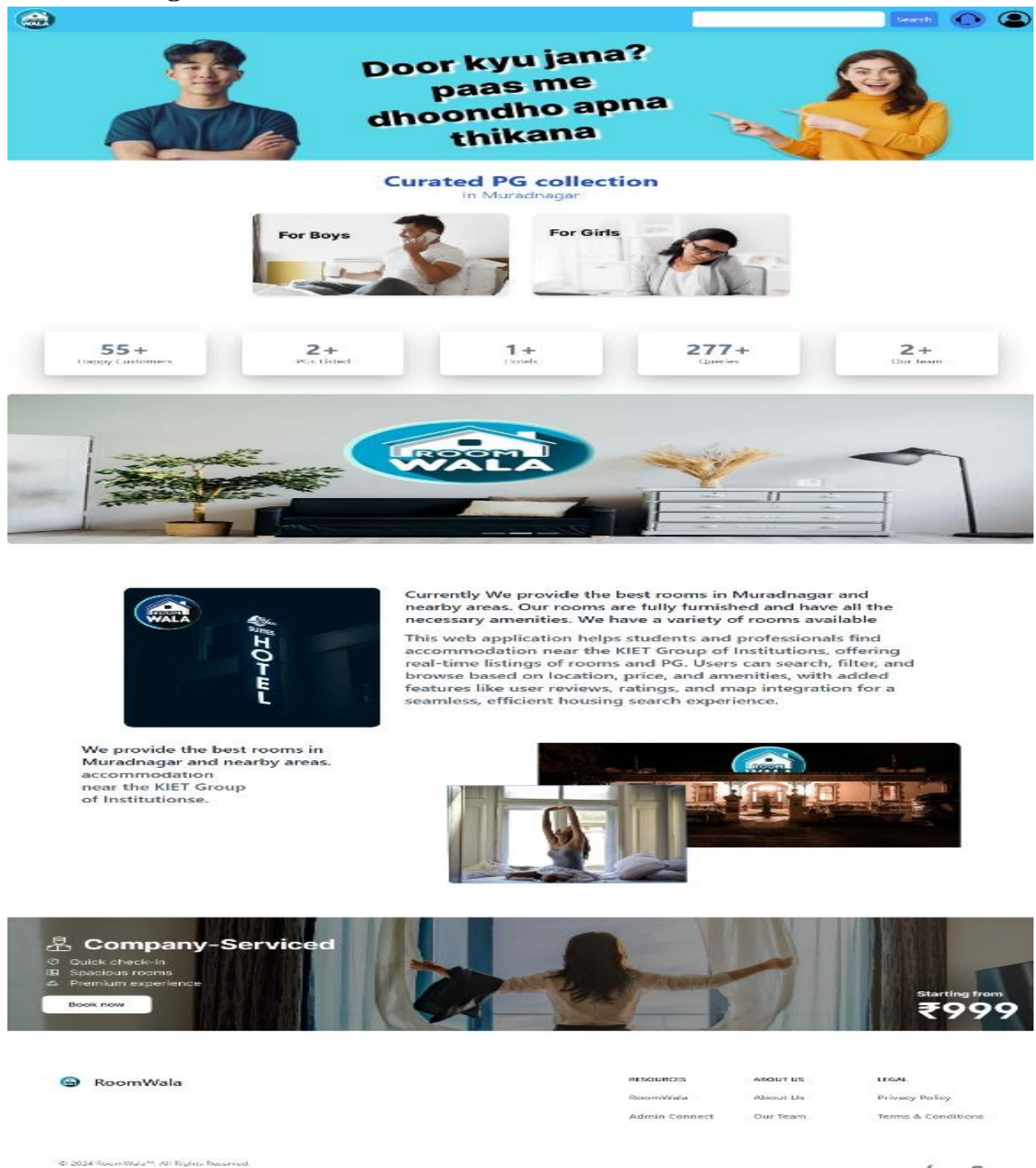
7. **Error Handling and Logging:**

- a. The backend will include robust error handling, catching issues such as failed database queries or authentication errors.
- b. **Winston** or **Morgan** will be used for logging backend activities and monitoring platform performance to ensure smooth operation.


Flow of Backend Architecture:

- **User Login:** Upon login, the backend authenticates the user and sends a JWT token for subsequent secure requests.
- **Property Management:** Property owners can manage their listings through the backend, with details such as availability, pricing, and amenities stored and updated in the database.
- **Real-Time Communication:** As users and property owners interact, the backend ensures that real-time messages and notifications are delivered via Socket.IO.
- **Data Persistence:** MongoDB will store all relevant data, including user details, property listings, inquiries, and chat logs. This ensures persistent access and management of user-generated content.


Website insights





Website Insights



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ATS Advantage Ghaziabad

Ahinsa Khand 1, Ghaziabad

Nestled near the bustling academic hub of KIET College in Muradnagar, Ghaziabad, our PG accommodation offers a welcoming haven for both boys and girls seeking a comfortable and convenient living environment. Designed with the needs of students in mind, our PG promises a balance of modern amenities, safety, and a vibrant community atmosphere that fosters both academic and personal growth. Our PG offers spacious and well-furnished rooms that cater to different preferences, whether you are looking for private rooms or sharing options. Each room is thoughtfully designed with comfortable beds, study desks, ample storage space, and high-speed Wi-Fi, ensuring that students have everything they need for a productive and comfortable stay. In summary, our PG accommodation near KIET College, Muradnagar, Ghaziabad, is more than just a place to stay—it's a community where students can thrive academically and personally. With its modern amenities, safe environment, and supportive atmosphere, our PG is the perfect choice for students looking for a home away from home.

5  (1 Ratings) - Very Good

Amenities:

Free WifiPower backupReception+ 3 more

Available For:


Both

3 people booked this hotel today

₹1999



Book Now

WEBSITE INSIGHT



Checkout successful

Search



Checkout

Name

Nitish Jha

Payment Amount:

1999/- Rupees

Email

nitishkumar0914@gmail.com

P.G. Name

ATS Advantage-Ghaziabad

Address


Saharsa, Bihar IN 852106

Phone

9798305771







Pincode

852106






Scan this QR to make payment

Amount: 1999/- Rupees



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welcome nitishkumar0914@gmail.com

Name

Nitish Jha

Email

nitishkumar0914@gmail.com

Address

Saharsa, Bihar IN 852106

Phone

9798305771

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New Password

Enter New Password

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Website Insights



Search



Filters

Popular Locations

Search...

Muradnagar

Modinagar

Paharganj

Karol Bagh

Dwarka, New Delhi

+ View More

Price Range

Room Type

☒ Boys

☒ Girls


☒ Private Room

☒ Sharing Room

Currently Available

Map View

Sort By Popularity



ATS Advantage Ghaziabad

5.0 (001) - Very Good

Free Wifi

Power backup

Reception


+ 3 more

1 people booked this PG recently

₹1999

Book Now

View Details



O J P Inn Ghaziabad

5.0 (001) - Very Good

Free Wifi

Power backup


+ 2 more

3 people booked this PG recently

₹1221

Book Now

View Details



Vivekanand PG Ghaziabad

5.0 (001) - Very Good

Free Wifi

Power backup

24*7 Power


+ 3 more

2 people booked this PG recently

₹9999

Book Now

View Details



Shyam Vandana Luxury Boys PG near Amity Noida

5.0 (001) - Very Good

AC Rooms

Parking

Power Backup

+ 3 more

0 people booked this PG recently

₹9999

Book Now

View Details

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My Orders

You have **18** orders

ORDER ID	ORDER DATE	AMOUNT (₹)	PAYMENT STATUS
1732803542894	11/28/2024, 7:49:02 PM	1999	Pending
1732803525819	11/28/2024, 7:48:45 PM	1999	Pending
1732556985574	11/25/2024, 11:19:45 PM	1999	Pending
1732213591610	11/21/2024, 11:56:31 PM	1999	Pending
1732196425512	11/21/2024, 7:10:25 PM	1999	Pending
1732175050740	11/21/2024, 1:14:10 PM	1999	Pending
1732174883477	11/21/2024, 1:11:23 PM	1999	Pending
1732001981726	11/19/2024, 1:09:41 PM	1999	Pending
1731860971968	11/17/2024, 9:59:31 PM	9999	Pending
1731849799921	11/17/2024, 6:53:19 PM	1999	Pending
1731791634221	11/17/2024, 2:43:54 AM	1221	Pending
1731496911637	11/13/2024, 4:51:51 PM	1999	Pending
1731490327371	11/13/2024, 3:02:07 PM	1221	Pending
1731441303287	11/13/2024, 1:25:03 AM	1999	Pending
1731436348892	11/13/2024, 12:02:28 AM	1999	Pending
1731435831261	11/12/2024, 11:53:51 PM	1999	Pending
1731276849074	11/11/2024, 3:44:09 AM	1999	Failed
1731276617316	11/11/2024, 3:40:17 AM	1999	Paid

Note: Payment Status generally takes 5-10 minutes to update after payment is success. If you have any queries, please contact us at 9798905771 [Term and Conditions](#)

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About Us

We are dedicated to helping college students find safe, affordable, and comfortable paying guest (PG) accommodations near their campuses. Understanding the unique needs of students and their families, we focus on providing verified listings that prioritize security, convenience, and essential amenities like Wi-Fi, meals, and study-friendly environments. Our platform offers features such as roommate matching, transparent reviews, flexible payment options, and easy location-based search to make the housing process as smooth as possible. We are committed to creating a trusted community where students can find not just a place to stay, but a space to thrive academically and socially.

Why Roomwala.com?

People visit Roomwala PG because it offers a student-focused, trustworthy platform for finding safe, affordable PG accommodations near colleges. Designed to meet the unique needs of college students and their families, Roomwala PG provides verified listings with detailed safety information, roommate matching for compatible living arrangements, and convenient search options based on college proximity. With features like student reviews, flexible payment plans, and a user-friendly mobile interface, Roomwala PG simplifies the housing search process and fosters a supportive community, making it the preferred choice for students seeking comfortable and budget-friendly living spaces.



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Terms & Conditions

Welcome to Roomwala PG. By accessing or using our website and services, you agree to comply with and be bound by the following Terms and Conditions. Please read them carefully. If you do not agree with these terms, please do not use our platform.

1. Acceptance of Terms

By using Roomwala PG, you acknowledge that you have read, understood, and agree to these Terms and Conditions, as well as our Privacy Policy. Roomwala PG reserves the right to update or modify these terms at any time without prior notice. Your continued use of our services constitutes acceptance of any changes.

2. Eligibility

To use Roomwala PG, you must be at least 18 years old or have permission from a parent or guardian if you are a minor. By using this platform, you represent that you have the legal capacity to agree to these terms.

3. User Accounts

When you create an account with Roomwala PG, you must provide accurate, complete, and up-to-date information. You are responsible for maintaining the confidentiality of your account credentials and for all activities that occur under your account. If you suspect any unauthorized use of your account, you must notify us immediately.

4. Use of Services


You agree to use Roomwala PG solely for personal and non-commercial purposes, specifically to search for and book paying guest accommodations. You must not use our platform to:

- Violate any local, national, or international laws.
- Post false, misleading, or fraudulent information.
- Harass, threaten, or harm other users or PG hosts.
- Engage in any activity that interferes with or disrupts the operation of our website or services.



14. Governing Law


These Terms and Conditions are governed by and construed in accordance with the laws of Delhi-NCR, without regard to its conflict of law principles. Any legal action or dispute arising out of or related to these terms shall be resolved in the courts of Delhi.


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Roomwala Policy

At Roomwala PG, we are committed to safeguarding your privacy. This Privacy Policy explains how we collect, use, disclose, and protect your information when you visit or use our website and services. By using our platform, you agree to the terms outlined in this policy.

1. Information We Collect

We collect various types of information to provide and improve our services for you:

Personal Information: When you register or book accommodations through Roomwala PG, we may collect personal details such as your name, email address, phone number, gender, and college name.

Payment Information: If you make payments through our platform, we may collect billing information, including payment method details. However, we do not store sensitive financial information; it is handled by secure third-party payment processors.

Usage Data: We collect data on how you interact with our website, such as pages visited, search queries, IP address, device type, browser type, and referring URLs.

Location Data: We may collect your location data to improve search results and suggest nearby accommodations if you enable location access.

2. How We Use Your Information

Roomwala PG uses the collected information for various purposes, including:

Providing Services: To facilitate finding and booking PG accommodations, including matching you with compatible roommates.

Personalizing Experiences: To provide you with relevant listings, offers, and recommendations based on your preferences and location.

Communications: To send notifications, updates, and important information regarding your bookings, account status, or other services.

Improving Platform: To analyze website usage, enhance features, and improve user experience through research and analytics.

Legal Compliance: To comply with applicable laws, regulations, and legal processes.

3. Sharing Your Information

We may share your information in limited circumstances:

Service Providers: We work with trusted third-party vendors for services like payment processing, hosting, customer support, and analytics. These providers access information only as necessary to perform their functions.

PG Hosts: If you book a PG accommodation, your information may be shared with the PG host or manager to facilitate check-in and communication.

Legal Obligations: We may disclose your information if required by law or in response to valid legal requests, such as a court order or government investigation.

4. Security of Your Information

Roomwala PG implements industry-standard security measures to protect your personal information. While we strive to protect your data, please note that no method of transmission over the Internet or electronic storage is completely secure.

5. Your Rights and Choices

You have the right to access, update, or delete your personal information at any time by logging into your account. If you wish to stop receiving marketing communications, you can opt-out by following the instructions provided in each email or contacting our support team.

6. Third-Party Links


Our website may contain links to external websites. Please note that we are not responsible for the privacy practices of those websites, and we encourage you to review their privacy policies separately.

7. Changes to This Privacy Policy

We may update our Privacy Policy from time to time to reflect changes in our practices. Any modifications will be posted on this page with the updated date, and we encourage you to review this policy periodically.

8. Contact Us

If you have any questions or concerns about this Privacy Policy or our data practices, please contact us. Or Request a call back through our website.

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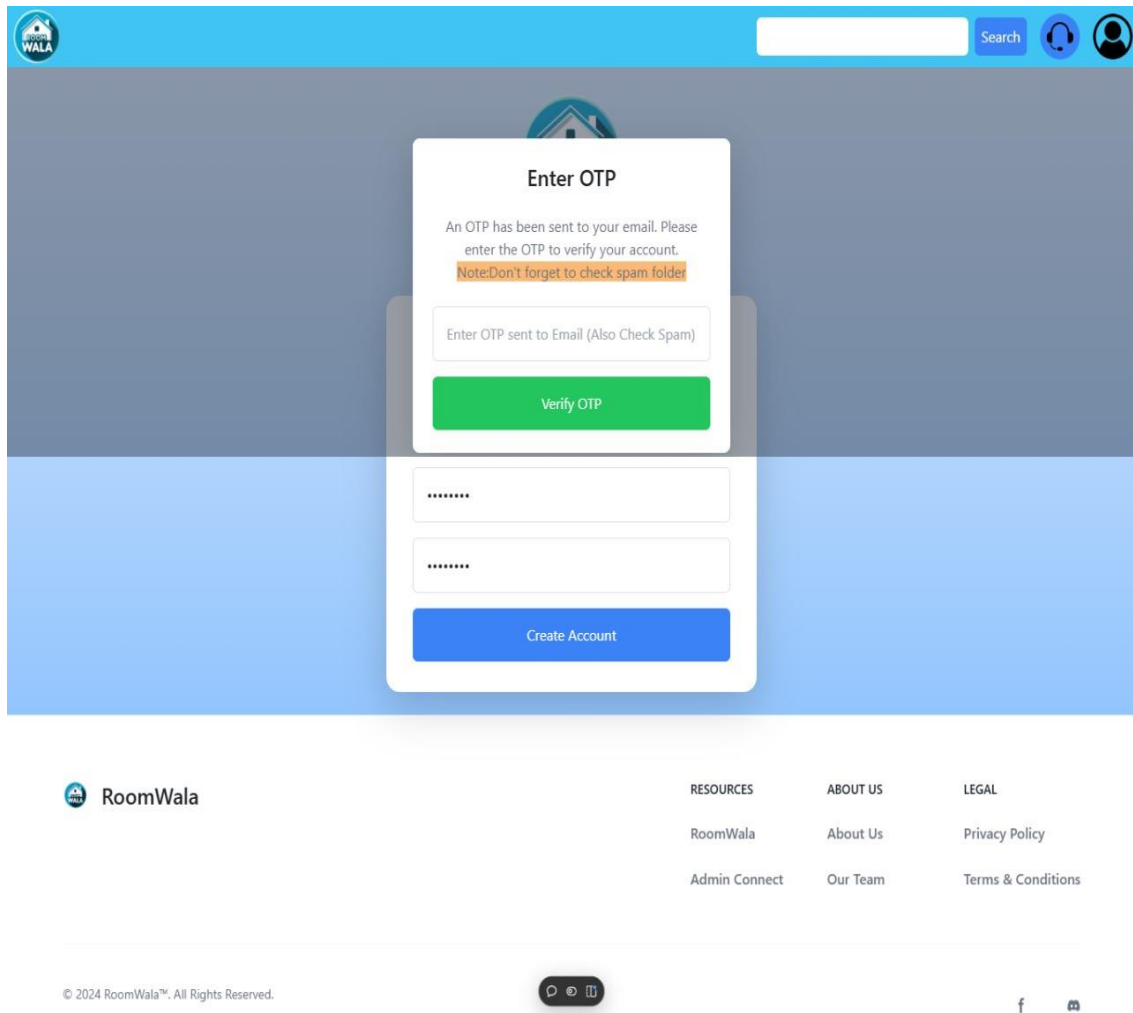
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Website Insights



Code Of the Room Wala

Home Page / Landing page (code)

```
import { NavLink } from 'react-router-dom';
import { useState } from 'react';
import AOS from 'aos';
import 'aos/dist/aos.css';
import ScrollTrigger from 'react-scroll-trigger';
import CountUp from 'react-countup';
import Carousel from 'react-bootstrap/Carousel';
import 'bootstrap/dist/css/bootstrap.min.css';

const App = () => {
  AOS.init();
  const [scrollTrig, setScrollTrig] = useState(false);

  const mainBanner = [
    // "/crouselImage/img (4).jpg",
    "/crouselImage/img (2).jpg",
    "/crouselImage/img (1).jpg",
    "/crouselImage/img (3).jpg",
  ];

  const stats = [
```

```

    { id: 4, value: 100, label: 'Happy Customers' },
    { id: 1, value: 3, label: 'PGs Listed' },
    { id: 3, value: 1, label: 'Hotels' },
    { id: 2, value: 500, label: 'Queries' },
    { id: 5, value: 4, label: 'Our Team' },
  ];
  return (
    <div className="min-h-screen p-0">
      <div className="w-full mb-8">
        
      </div>
      <div className="text-center mb-8">
        <h1 className="text-4xl font-bold text-blue-700">Curated PG collection</h1>
        <p className="text-2xl text-blue-500">in Muradnagar</p>
      </div>
      <div className="flex flex-wrap justify-center gap-8">
        <div className="w-full sm:w-1/2 lg:w-1/4">
          <NavLink to="/choice">
            
          </NavLink>
        </div>
        <div className="w-full sm:w-1/2 lg:w-1/4">
          <NavLink to="/choice">

```

```

    </NavLink>

  </div>

</div>

<ScrollTrigger onEnter={() => setScrollTrig(true)} onExit={() => setScrollTrig(false)}>
  <div className="flex flex-wrap justify-around items-center p-6 mt-11 text-center">
    {stats.map((stat) => (
      <div key={stat.id} className="w-full sm:w-1/2 md:w-1/3 lg:w-1/5 p-4">
        {scrollTrig && <div className="bg-white p-6 rounded-lg shadow-lg shadow-cyan-
700 drop-shadow-xl">
          <h2 className="text-4xl font-bold text-slate-500"><CountUp end={stat.value}
/>+</h2>
          <p className="text-gray-600">{stat.label}</p>
        </div>}
      </div>
    ))}
  </div>

</ScrollTrigger>

<Carousel className='w-full h-96'>
  {mainBanner?.map((image, index) => (
    <Carousel.Item key={index}>
      <img className="d-block w-100 rounded h-96" src={image} alt={`Slide ${index}`}
/>
    </Carousel.Item>
  )

```

```

    )})
</Carousel>

<div data-aos="flip-left"

    // data-aos-easing="ease-out-cubic"

    data-aos-duration="2000" className="flex flex-wrap justify-center gap-8 mt-28">

        <h3 className="w-full sm:w-1/2 lg:w-1/2 text-2xl text-slate-800 font-
semibold">Currently We provide the best rooms in Muradnagar and nearby areas. Our rooms
are fully furnished and have all the necessary amenities. We have a variety of rooms available

        <p className="mt-3 text-gray-600">

            This web application helps students and professionals find accommodation near the
KIET Group of Institutions, offering real-time listings of rooms and PG. Users can search,
filter, and browse based on location, price, and amenities, with added features like user
reviews, ratings, and map integration for a seamless, efficient housing search experience.

        </p></h3>

    </div>

<div data-aos="flip-left"

    // data-aos-easing="ease-out-cubic"

    data-aos-duration="2000" className="my-10 flex flex-wrap justify-center gap-8">

        <h3 className="w-full sm:w-1/3 lg:w-1/3 text-2xl text-slate-800 font-semibold">We
provide the best rooms in Muradnagar and nearby areas.

        <p className="mt-3 w-1/2 text-gray-600">

            This web application helps students and professionals find accommodation near the
KIET Group of Institutionse.

        </p></h3>

```

```
      
```

```
    </div>
```

```
    <div>
```

```
      <NavLink to='./rooms'></NavLink>
```

```
    </div>
```

```
  </div>
```

```
);
```

```
}
```

```
export default App;
```

Login page

```
import { NavLink, useNavigate,useSearchParams } from 'react-router-dom';
```

```
import { useState, useEffect } from 'react';
```

```
import toast from 'react-hot-toast';
```

```
const Login = ({ token, settoken }) => {  
  let navigate = useNavigate();  
  const [email, setEmail] = useState("");  
  const [password, setPassword] = useState("");  
  const [searchParams, setSearchParams] = useSearchParams();  
  const roomid = searchParams.get('roomid');  
  const checkout = searchParams.get('checkout');  
  const redirect = searchParams.get('redirect');  
  const emailid = searchParams.get('email');  
  useEffect(() => {  
    if (emailid) {  
      setEmail(emailid);  
    }  
  }, [emailid]);  
  
  useEffect(() => {  
    if (token) {  
      navigate('/');  
    }  
  })  
}
```



```
}, [token, navigate]));
```

```
const handleSubmit = async (e) => {  
  e.preventDefault();  
  const res = await fetch(`${import.meta.env.VITE_HOST}/api/v1/user/login`, {  
    method: 'POST',  
    headers: {  
      'Content-Type': 'application/json',  
    },  
    body: JSON.stringify({  
      email,  
      password  
    })  
  });  
  const data = await res.json();  
  if (data.success) {  
    localStorage.setItem('token', data.token);  
    settoken(data.token);  
    if (checkout) {  
      navigate(`/checkout?roomid=${roomid}`);  
      toast.success(`Welcome to RoomWala`);  
      return;  
    }  
    toast.success(`Welcome to RoomWala`);  
  }  
}
```

```

    navigate('/');
  } else {
    toast.error("Invalid Credentials");
  }
}

return (
  <div className="min-h-screen flex flex-col items-center justify-center bg-blue-100">
    <div className="mb-6">
      
    </div>
    <div>
      <h6 className="text-center text-2xl font-semibold">Please Login to your
account</h6>
    </div>
    <div className="form-container mt-6">
      <form onSubmit={handleSubmit} className="flex flex-col items-center">
        <input
          type="text"
          name="email"
          onChange={(e) => { setEmail(e.target.value) }}
          value={email}
          placeholder="Enter your Email id"
          className="w-full max-w-md p-2 mb-4 border border-gray-300 rounded-md" />

```

```

    <input
      type="password"
      name="password"
      onChange={(e) => { setPassword(e.target.value) }}
      placeholder="Password"
      className="w-full max-w-md p-2 mb-4 border border-gray-300 rounded-md"
    />

    <div className="flex items-center mb-4">
      <input id="check1" type="checkbox" className="mr-2" checked />
      <label htmlFor="check1" className="text-lg">Remember Me</label>
    </div>

    <button type="submit" className="w-full max-w-md bg-cyan-500 text-white py-2
rounded-md hover:bg-cyan-600 transition duration-300">Log In</button>

  </form>

  <div className="flex justify-between mt-4 w-full max-w-md">
    <NavLink to="/signup" className="text-cyan-500 hover:underline">Sign
up</NavLink>
    <NavLink to="/forgotpassword" className="text-cyan-500 hover:underline">Forgot
Password?</NavLink>
  </div>
</div>
)
}

export default Login;

```

Room Details page

```
import toast from 'react-hot-toast';

import { useState, useEffect } from 'react';

import { NavLink } from 'react-router-dom';

import Carousel from 'react-bootstrap/Carousel';

import 'bootstrap/dist/css/bootstrap.min.css';

import { MutatingDots } from 'react-loader-spinner'

const HotelBookingPage = ({ isFilterVisible, setFilterVisibility }) => {

  const [roomss, setRoomss] = useState([]);

  const Availableroom = async () => {

    try {

      const response = await
fetch(`${import.meta.env.VITE_HOST}/api/v1/room/roomdetails`, {
  method: 'GET',
  headers: { 'Content-Type': 'application/json' },
});

      const parseRes = await response.json();

      setRoomss(parseRes);

    } catch (error) {

      console.error(error.message);

    }
  }
}
```

```

};

useEffect(() => {
    Availableroom();
}
, []);

return (
    <div className="bg-gray-100 min-h-screen flex">
        { /* Leftside Filters */ }
        <aside className={`md:w-1/4 p-4 bg-white shadow-md h-full right-0 overflow-y-
auto ${isFilterVisible ? 'block' : 'hidden'} md:block fixed md:relative top-0`} >
            <h2 className="text-2xl font-bold mb-4">Filters</h2>
            <div className="mb-6">
                <h3 className="text-lg font-semibold mb-2">Popular Locations</h3>
                <input type="text" placeholder="Search.." className="w-full p-2 border border-
gray-300 rounded mb-4" />
                <ul>
                    <li className="mb-2"><a href="#" className="text-blue-600
hover:underline">Muradnagar</a></li>
                    <li className="mb-2"><a href="#" className="text-blue-600
hover:underline">Modinagar</a></li>
                    <li className="mb-2"><a href="#" className="text-blue-600
hover:underline">Paharganj</a></li>
                    <li className="mb-2"><a href="#" className="text-blue-600
hover:underline">Karol Bagh</a></li>

```

```
        <li className="mb-2"><a href="#" className="text-blue-600
hover:underline">Dwarka, New Delhi</a></li>
```

```
        <li className="mb-2"><a href="#" className="text-blue-600
hover:underline">+ View More</a></li>
```

```
    </ul>
```

```
</div>
```

```
<div className="mb-6">
```

```
    <h3 className="text-lg font-semibold mb-2">Price Range</h3>
```

```
    <input type="range" min="500" max="5000" step="100" className="w-full"
/>
```

```
</div>
```

```
<div className="mb-6">
```

```
    <h3 className="text-lg font-semibold mb-2">Room Type</h3>
```

```
    <div className="flex items-center mb-4">
```

```
        <input type="checkbox" id="boys" checked className="mr-2" />
```

```
        <label htmlFor="boys">Boys</label>
```

```
    </div>
```

```
    <div className="flex items-center mb-4">
```

```
        <input type="checkbox" id="girls" checked className="mr-2" />
```

```
        <label htmlFor="girls">Girls</label>
```

```
    </div>
```

```
    <div className="flex items-center mb-4">
```

```
        <input type="checkbox" id="private" checked className="mr-2" />
```

```

        <label htmlFor="private">Private Room</label>
    </div>

    <div className="flex items-center mb-4">
        <input type="checkbox" id="sharing" checked className="mr-2" />
        <label htmlFor="sharing">Sharing Room</label>
    </div>
</div>

</aside>

{/* Main Content */}

<main className="p-8 md:w-3/4">
    <h1 className="text-3xl font-bold mb-6">Currently Available</h1>
    <div className="flex items-center justify-between mb-6">
        <button onClick={() => toast.success('features comming soon')} className="bg-blue-500 text-white px-4 py-2 rounded shadow">Map View</button>
        <div>
            <label htmlFor="sort" className="mr-2">Sort By</label>
            <select id="sort" className="p-2 border border-gray-300 rounded">
                <option value="popularity">Popularity</option>
                <option value="Latest-listed">Lastest listed</option>
            </select>
        </div>
    </div>
</main>

```

```

    { /* Hotel Listing */ }

    { roomss.length == 0 ? <MutatingDots className="text-center"
      visible={true}
      height="100"
      width="100"
      color="#4fa94d"
      secondaryColor="#4fa94d"
      radius="12.5"
      ariaLabel="mutating-dots-loading"
      wrapperStyle={ {} }
      wrapperClass=""
    /> : roomss.map((rooms) => {
      return <div key={rooms._id} className="bg-white p-6 rounded shadow-md
mb-6">
        <div className="flex md:flex-row flex-col">
          <div className="md:w-1/3 w-full mb-4 md:mb-0">
            <Carousel>
              {rooms.roomPic.map((image, index) => (
                <Carousel.Item key={index}>
                  <img className="d-block w-100 rounded" src={image}
alt={`Slide ${index}` } />
                </Carousel.Item>
              ))}
            </Carousel>
          </div>

```



```

<div className="w-2/3 pl-6">
    <h2 className="text-2xl font-bold mb-2">{rooms.pgname}
{rooms.city}</h2>
    <div className="flex items-center mb-2">
        <span className="text-green-500 font-bold text-
lg">{rooms.ratings}.0</span>
        <span className="ml-2 text-gray-600">(00{rooms.totalRatings}) -
Very Good</span>
    </div>
    <div className="flex items-center mb-2 flex-wrap">
        <span className="bg-gray-200 text-gray-800 px-2 py-1 rounded mr-
2 mb-2">{rooms?.facilities[0]}</span>
        {rooms.facilities[1] ? <span className="bg-gray-200 text-gray-800
px-2 py-1 rounded mr-2 mb-2">{rooms?.facilities[1]}</span> : null}
        {rooms.facilities[2] ? <span className="bg-gray-200 text-gray-800
px-2 py-1 rounded mr-2 mb-2">{rooms?.facilities[2]}</span> : null}
        <span className="bg-gray-200 text-gray-800 px-2 py-1 rounded mb-
2">+ {(rooms?.facilities.length) + ' more'}</span>
    </div>
    <div className="flex items-center mb-2">
        <span className="text-red-500 font-bold">{Math.floor(Math.random()
* 5)} people booked this PG recently</span>
    </div>
    <div className="flex items-center mb-2">
        <span className="text-2xl font-bold text-gray-
800">₹{rooms.price}</span>
    </div>

```

```

<div className="flex space-x-4 mt-4">
  <NavLink to={"/checkout?roomid=${rooms._id}`} className="bg-green-500 text-white px-4 py-2 rounded shadow">Book Now</NavLink>
  <NavLink to={"/room/${rooms._id}`} className="bg-gray-500 text-white px-4 py-2 rounded shadow">View Details</NavLink>
</div>
</div>
</div>
</div>
)}}
</main>
</div>
);
};

```

Forgot password

```
import { useState } from 'react';
import { useNavigate,NavLink } from 'react-router-dom';
import toast from 'react-hot-toast';

const ForgetPassword = () => {
  const [email, setEmail] = useState("");
  const [otp, setOtp] = useState("");
  const [newPassword, setNewPassword] = useState("");
  const [confirmPassword, setConfirmPassword] = useState("");
  const [isOtpSent, setIsOtpSent] = useState(false);
  const [isOtpVerified, setIsOtpVerified] = useState(false);
  const navigate = useNavigate();

  const handleEmailSubmit = async (e) => {
    e.preventDefault();

    const res = await fetch(`${import.meta.env.VITE_HOST}/api/v1/user/forgot-password`,
    {
      method: 'POST',
      headers: {
        'Content-Type': 'application/json',
      },
      body: JSON.stringify({ email })
    });
  });
}
```

```

const data = await res.json();
if (data.success) {
  toast.success('OTP sent to your email');
  setIsOtpSent(true);
} else {
  toast.error('Email not found');
}
};

const handleOtpSubmit = async (e) => {
  e.preventDefault();
  const res = await fetch(`${import.meta.env.VITE_HOST}/api/v1/user/verify-otp`, {
    method: 'POST',
    headers: {
      'Content-Type': 'application/json',
    },
    body: JSON.stringify({ email, otp })
  });

  const data = await res.json();
  if (data.success) {
    toast.success('OTP verified, please change your password');
    setIsOtpVerified(true);
  }
};

```

```

    } else {
      toast.error('Invalid OTP');
    }
  };

const handleChangePassword = async (e) => {
  e.preventDefault();

  if (newPassword !== confirmPassword || !newPassword || !confirmPassword ||
    newPassword.length < 6) {
    toast.error("Passwords do not match or password length is less than 6 characters");
    return;
  }

  const res = await fetch(`${import.meta.env.VITE_HOST}/api/v1/user/reset-password`, {
    method: 'POST',
    headers: {
      'Content-Type': 'application/json',
    },
    body: JSON.stringify({ email, newPassword })
  });

  const data = await res.json();

  if (data.success) {
    toast.success('Password changed successfully');
    navigate('/login');
  }
}

```

```

    } else {
      toast.error('Error changing password');
    }
  };

  return (
    <div className="min-h-screen bg-gradient-to-b from-blue-100 to-blue-300 flex items-center justify-center p-4">
      <div className="bg-white p-8 rounded-lg shadow-lg w-full max-w-md">
        <h2 className="text-2xl font-bold mb-6 text-center">Forgot Password</h2>
        <p className="text-center text-gray-600 mb-4">Enter your email to reset your password</p>

        { !isOtpSent ? (
          <form onSubmit={handleEmailSubmit} className="flex flex-col items-center">
            <input
              type="email"
              name="email"
              onChange={(e) => setEmail(e.target.value)}
              placeholder="Enter your Email id"
              className="w-full max-w-md p-2 mb-4 border border-gray-300 rounded-md focus:outline-none focus:ring-2 focus:ring-cyan-500"
            />
            <button type="submit" className="w-full max-w-md bg-cyan-500 text-white py-2 rounded-md hover:bg-cyan-600 transition duration-300">Submit</button>

```

```

</form>

) : !isOtpVerified ? (

  <form onSubmit={ handleOtpSubmit } className="flex flex-col items-center">

    <input

      type="text"

      name="otp"

      value={ otp }

      onChange={(e) => setOtp(e.target.value)}

      placeholder="Enter OTP"

      className="w-full max-w-md p-2 mb-4 border border-gray-300 rounded-md
focus:outline-none focus:ring-2 focus:ring-cyan-500"

    />

    <button type="submit" className="w-full max-w-md bg-cyan-500 text-white py-2
rounded-md hover:bg-cyan-600 transition duration-300">Verify OTP</button>

  </form>

) : (

  <form onSubmit={ handleChangePassword } className="flex flex-col items-center">

    <input

      type="password"

      name="newPassword"

      value={ newPassword }

      onChange={(e) => setNewPassword(e.target.value)}

      placeholder="Enter New Password"

      className="w-full max-w-md p-2 mb-4 border border-gray-300 rounded-md
focus:outline-none focus:ring-2 focus:ring-cyan-500"

```

```

    />

    <input
      type="password"
      name="confirmPassword"
      onChange={(e) => setConfirmPassword(e.target.value)}
      placeholder="Confirm New Password"

      className="w-full max-w-md p-2 mb-4 border border-gray-300 rounded-md
focus:outline-none focus:ring-2 focus:ring-cyan-500"
    />

    <button type="submit" className="w-full max-w-md bg-cyan-500 text-white py-2
rounded-md hover:bg-cyan-600 transition duration-300">Change Password</button>

  </form>

)}

<div className="flex justify-between mt-4 w-full max-w-md">

  <NavLink to="/login" className="text-cyan-500 hover:underline">Back to
Login</NavLink>

</div>

</div>

</div>

);

};

export default ForgetPassword;

```


Checkout page

```
import { useEffect, useState } from 'react';

import toast from 'react-hot-toast';

import { NavLink, useSearchParams } from 'react-router-dom';

import { useNavigate } from 'react-router-dom';

const CheckoutPage = () => {

  const navigate = useNavigate();

  const [name, setName] = useState("");

  const [email, setEmail] = useState("");

  const [address, setAddress] = useState("");

  const [phone, setPhone] = useState("");

  const [pincode, setPincode] = useState("");

  const [amount, setAmount] = useState("");

  const [pgName, setPgName] = useState("");

  const [userid, setUserid] = useState("");

  const [loading, setLoading] = useState(false);

  const [orderplaced, setOrderplaced] = useState(false);

  const [qrcodeurl, setQrcodeurl] = useState(null);

  const [searchParams, setSearchParams] = useSearchParams();

  const roomid = searchParams.get('roomid');

  const getUserDetails = async () => {
```

```

if (!localStorage.getItem('token')) {
  toast.error('Please login to continue');
  navigate(`/login?roomid=${roomid}&checkout=true&redirect=checkout`);
  return;
}

try {
  const response = await fetch(`${import.meta.env.VITE_HOST}/api/v1/user/userinfo`, {
    method: 'POST',
    headers: { authorization: localStorage.getItem('token') },
  });

  const parseRes = await response.json();
  setEmail(parseRes.email);
  setName(parseRes.name);
  setAddress(parseRes.address);
  setPhone(parseRes.contactNo);
  setPincode(parseRes.pincode);
  setUserid(parseRes._id);
} catch (error) {
  console.error(error.message);
}

};

const getRoomDetails = async () => {
  try {

```

```

const response = await
fetch(`${import.meta.env.VITE_HOST}/api/v1/room/roomdetails/${roomid}`,
  {
    method: 'GET',
    headers: { 'Content-Type': 'application/json' }
  }
);
const parshdata = await response.json();
setAmount(parshdata.price);
setPgName(parshdata.pgname + '-' + parshdata.city);
}
catch (error) {
  console.error(error.message);
}
};

const generateQr = async () => {
  try {
    const response = await fetch(`${import.meta.env.VITE_QRSERVER}`, {
      method: 'POST',
      headers: {
        'Content-Type': 'application/json',
      },
      body: JSON.stringify({ amount: amount,upi_id: "nitishkumar0914@ybl" }),
    });
  }

```

```

    });

    const result = await response.json();
    setQrcodeurl(result.qrurl);
    if (result.success) {
        toast.success('QR Generated');
    }
} catch (error) {
    toast.error('Error during QR generation');
    console.error(error.message);
}
};

```

```

const handleSubmit = async (e) => {
    setLoading(true);
    e.preventDefault();

    const formData = { username: name, userid: userid, shippingAddress: address,
    phoneNumber: phone, totalPrice: amount, orderItems: roomid, orderid: Date.now() };

    try {
        const response = await fetch(`${import.meta.env.VITE_HOST}/api/v1/order/create`, {
            method: 'POST',
            headers: {
                'Content-Type': 'application/json',
            },
            body: JSON.stringify(formData),

```

```

    });

    const result = await response.json();
    if (result.success) {
        setOrderplaced(true);
        toast.success('Checkout successful');
        generateQr();
    }
    } catch (error) {
        toast.error('Error during checkout');
        console.error(error.message);
    }
    setLoading(false);
};

useEffect(() => {
    getUserDetails();
    getRoomDetails();
}, []);

return (
    <div className="bg-gray-50 min-h-screen flex flex-col items-center justify-center py-12 sm:px-6 lg:px-8">
        <div className="sm:mx-auto sm:w-full sm:max-w-2xl">
            <h2 className="text-center text-3xl font-extrabold text-gray-900">Checkout</h2>

```

```

</div>

<div className="mt-8 sm:mx-auto sm:w-full sm:max-w-2xl">

  <div className="bg-white py-8 px-6 shadow rounded-lg sm:px-10">

    <form onSubmit={ handleSubmit } className="space-y-6">

      <div className="flex flex-col sm:flex-row sm:space-x-6">

        <div className="flex-1 space-y-6">

          <div>

            <label htmlFor="name" className="block text-sm font-medium text-gray-
700">Name</label>

            <input

              id="name"

              name="name"

              type="text"

              value={ name }

              onChange={(e) => setName(e.target.value)}

              required

              className="w-full px-3 py-2 border border-gray-300 rounded-md shadow-sm
placeholder-gray-400 focus:outline-none focus:ring-indigo-500 focus:border-indigo-500
sm:text-sm"

            />

          </div>

          <div>

            <label htmlFor="email" className="block text-sm font-medium text-gray-
700">Email</label>

            <input

```

```

        id="email"
        name="email"
        type="email"
        value={ email}
        onChange={(e) => setEmail(e.target.value)}
        required

        className="w-full px-3 py-2 border border-gray-300 rounded-md shadow-sm
placeholder-gray-400 focus:outline-none focus:ring-indigo-500 focus:border-indigo-500
sm:text-sm"
    />
</div>

<div>

    <label htmlFor="address" className="block text-sm font-medium text-gray-
700">Address</label>

    <textarea

        id="address"
        name="address"
        rows="3"
        value={ address}
        onChange={(e) => setAddress(e.target.value)}
        required

        className="w-full px-3 py-2 border border-gray-300 rounded-md shadow-sm
placeholder-gray-400 focus:outline-none focus:ring-indigo-500 focus:border-indigo-500
sm:text-sm"

        ></textarea>

</div>

```

```

<div>
  <label htmlFor="phone" className="block text-sm font-medium text-gray-
700">Phone</label>
  <input
    id="phone"
    name="phone"
    type="text"
    placeholder="Enter Your 10 Digit Mobile Number"
    value={phone}
    onChange={(e) => setPhone(e.target.value)}
    required
    className="w-full px-3 py-2 border border-gray-300 rounded-md shadow-sm
placeholder-gray-400 focus:outline-none focus:ring-indigo-500 focus:border-indigo-500
sm:text-sm"
  />
</div>
<div>
  <label htmlFor="pincode" className="block text-sm font-medium text-gray-
700">Pincode</label>
  <input
    id="pincode"
    name="pincode"
    type="text"
    value={pincode}
    onChange={(e) => setPincode(e.target.value)}

```



```

        required

        className="w-full px-3 py-2 border border-gray-300 rounded-md shadow-sm
placeholder-gray-400 focus:outline-none focus:ring-indigo-500 focus:border-indigo-500
sm:text-sm"

    />

</div>

</div>

<div className="flex-1 space-y-6">

    <div>

        <div className="block text-sm font-medium text-gray-700">Payment
Amount:</div>

        <div className="mt-1 relative rounded-md shadow-sm"><span className='font-
bold text-orange-400'>{ amount}</span>- Rupees</div>

    </div>

    <div>

        <div className="block text-sm font-medium text-gray-700">P.G. Name</div>

        <div className="mt-1 relative rounded-md shadow-sm"><span className='font-
bold text-orange-400'>{ pgName}</span></div>

    </div>

    {orderplaced && qrcodeurl && <div>

        <img src={qrcodeurl} alt='Payment QR Code' />

        <div className="block text-sm font-medium text-gray-700">Scan this QR to
make payment</div>

        <div className="mt-1 relative rounded-md shadow-sm">

            <span className='font-bold text-orange-400'>Amount: { amount}</span>-
Rupees

```

```

        
      </div>
    </div>}
  </div>
</div>
<div>
  { !loading && !orderplaced && <button
    type="submit"
    className="w-full flex justify-center py-2 px-4 border border-transparent rounded-
md shadow-sm text-sm font-medium text-white bg-indigo-600 hover:bg-indigo-700
focus:outline-none focus:ring-2 focus:ring-offset-2 focus:ring-indigo-500"
    >
      Place Order and Generate QR
    </button>}
    {orderplaced && <NavLink to='/orders'
      className="w-full flex justify-center py-2 px-4 border border-transparent rounded-
md shadow-sm text-sm font-medium text-white bg-indigo-600 hover:bg-indigo-700
focus:outline-none focus:ring-2 focus:ring-offset-2 focus:ring-indigo-500"
      >
        Mark my Payment as Success
      </NavLink>}
    </div>
  </form>
</div>
</div>

```

```
</div>  
  
);  
};  
  
export default CheckoutPage;
```

Proposed Time Duration

Proposed Time Duration for "Room Wala"

1. Planning and Research (2 weeks)

- Conduct surveys, interviews, and focus groups with stakeholders.
- Analyze existing tools and define user personas and use cases.
- Document and finalize requirements specification.

2. Design Phase (3 weeks)

- Develop wireframe and prototypes; gather feedback.
- Plan application architecture and design system integration.
- Define project milestones, timelines, and prepare project plan.

3. Development Phase (6 weeks)

- Implement core functionalities such as task management, communication tools, and progress tracking.
- Integrate third-party tools and API, perform iterative testing and debugging.

4. Testing and Quality Assurance (2 weeks)

- Conduct unit and integration testing.
- Perform user acceptance testing (UAT) with beta testers.
- Address feedback, fix bugs, and finalize testing

5. Deployment and Launch (1 week)

- Deploy the application to production servers.
- Provide user training, support, and monitor initial performance.

6. Post-Launch Support and Maintenance (2 weeks)

- Collect user feedback and performance metrics.
- Implement updates and enhancements, provide regular maintenance and support.

Total Proposed Time Duration: 16 weeks

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