

# Project Documentation

Generated on: 2025-09-14 01:24:30

## Project Statistics

Metric	Value
Total Files	108
Total Lines of Code	11,879
Languages Used	5

## Technology Stack

**Html:** 1 files, 23 lines (0.2%)  
**Json:** 2 files, 6,485 lines (54.6%)  
**Markdown:** 1 files, 8 lines (0.1%)  
**Javascript:** 103 files, 5,167 lines (43.5%)  
**Css:** 1 files, 196 lines (1.6%)

## Overview

### Project Documentation

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#### Overview

**\*\*Overview\*\*** =====

#### *Introduction*

Welcome to our project repository, a comprehensive web application designed to provide a seamless user experience. The purpose of this application is to offer a dynamic and interactive platform for users to engage with, leveraging the latest technologies to deliver a robust and scalable solution.

#### *Project Purpose and Domain*

This web application is designed to cater to a specific domain, focusing on delivering a user-centric experience. The application's primary function is to provide an intuitive interface for users to interact with, offering a range of features and functionalities that enhance their overall experience. For instance, the application may include features such as user authentication, data visualization, and real-time updates, all of which work together to create a cohesive and engaging platform.

## ***Technology Stack Explanation***

The technology stack used in this project is a combination of cutting-edge languages, frameworks, and tools. The primary languages used are:

**\*\*HTML\*\*:** Used for structuring and organizing content on the web pages.

**\*\*JSON\*\*:** Utilized for data storage and exchange, allowing for efficient and lightweight data transfer.

**\*\*Markdown\*\*:** Employed for documentation purposes, providing a simple and readable format for documentation files.

**\*\*JavaScript\*\*:** The primary language used for client-side scripting, enabling dynamic and interactive web pages.

**\*\*CSS\*\*:** Used for styling and layout purposes, ensuring a visually appealing and consistent design throughout the application.

The project's technology stack is built around a client-side architecture, with a focus on delivering a fast and responsive user experience. The use of JavaScript and CSS enables the creation of dynamic and interactive web pages, while HTML and JSON provide a solid foundation for content structure and data exchange.

## ***Tools and Frameworks Identified in the Codebase***

Upon examining the codebase, several tools and frameworks have been identified, including:

**\*\*Front-end frameworks\*\*:** Although not explicitly stated, the use of JavaScript and CSS suggests the potential use of front-end frameworks such as React or Angular.

**\*\*Package managers\*\*:** The presence of JSON files indicates the use of package managers like npm or yarn for dependency management.

**\*\*Build tools\*\*:** The absence of backend files suggests the use of build tools like Webpack or Rollup for bundling and optimizing front-end code.

**\*\*Documentation tools\*\*:** The use of Markdown for documentation files implies the use of documentation tools like Jekyll or MkDocs for generating and managing documentation.

## ***Project Layout and Organization***

The project structure is organized into the following categories:

**\*\*Web Files\*\*:** 105 files, primarily consisting of JavaScript, HTML, and CSS files, which form the core of the web application.

**\*\*Config Files\*\*:** 2 files, likely containing configuration settings and dependencies for the project.

**\*\*Documentation Files\*\*:** 1 file, written in Markdown, providing documentation and guides for the project.

The project layout is relatively flat, with most files located in the root directory. This suggests a simple and straightforward project structure, with a focus on ease of navigation and maintenance.

## ***System Integration***

The different components of the project work together to deliver a seamless user experience. The JavaScript files contain the client-side logic, while the HTML files provide the structure and content for the web pages. The CSS files ensure a consistent and visually appealing design, and the JSON files facilitate data exchange and storage. The config files manage dependencies and settings, and the documentation files provide guides and information for developers and users alike.

For example, when a user interacts with the web application, the JavaScript files handle the client-side logic, updating the HTML content and CSS styles accordingly. The JSON files are used to store and retrieve data, which is then displayed on the web pages. This integrated approach ensures a cohesive and engaging user experience.

## ***Development Approach and Methodology***

The project structure and organization suggest a development approach that prioritizes simplicity, flexibility, and maintainability. The use of a client-side architecture and front-end frameworks implies a focus on delivering a fast and responsive user experience. The absence of backend files suggests a potential use of cloud-based services or third-party APIs for data storage and management. The development methodology evident in the project structure is likely agile, with a focus on iterative development, continuous integration, and continuous deployment. The use of package managers and build tools suggests an emphasis on automation and efficiency in the development process.

**Links and Navigation to Other Documentation Sections**

For more information on the project, please navigate to the following documentation sections:  
[Architecture](architecture.md): Learn about the system architecture, flow diagrams, and how the different components interact.

[Database](database.md): Discover the supported databases, ERD, and table descriptions.

[Classes](classes.md): Explore the classes, UML diagrams, and plain English explanations.

[Web](web.md): Dive into the REST API endpoints, pages, navigation flow, and more.

These documentation sections provide a comprehensive overview of the project, covering technical details, system architecture, and development methodology. Whether you're a developer or a non-technical stakeholder, these resources will help you understand the project's inner workings and contribute to its growth and success.

**Project Statistics**

Metric   Value
-----   -----
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**Technology Stack**

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**Documentation Sections**

- [■■ Architecture](./architecture.md) - System architecture and design patterns
- [■■ Database](./database.md) - Database schema and data management
- [■■ Classes](./classes.md) - Object-oriented design and class structures
- [■ Web](./web.md) - Web interface and API documentation

**Quick Navigation**

**Project Structure**

- \*\*Web Components\*\*: 105 files
- \*\*Backend Logic\*\*: 0 files
- \*\*Database Scripts\*\*: 0 files
- \*\*Configuration\*\*: 2 files
- \*\*Tests\*\*: 0 files

**\*\*Documentation\*\***: 1 files

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\*This documentation is automatically generated and provides both technical details for developers and explanatory content for stakeholders.\*

## Architecture

# System Architecture

### Architecture Overview

**\*\*Architecture\*\*** =====

#### 1. System Architecture Overview

The project is

### Dependency Analysis

#### Graph Metrics

**\*\*Total Modules\*\***: 108

**\*\*Dependencies\*\***: 433

**\*\*Graph Density\*\***: 0.037

**\*\*Connectivity\*\***: Well Connected

**\*\*Average Connections per Module\*\***: 8.02

#### Component Breakdown

#### Web Files

**\*\*Count\*\***: 105 files

**\*\*Total Lines\*\***: 5,386

**\*\*Key Files\*\***:

`src\data\data-bookings.js` (293 lines)

`src\data\data-guests.js` (217 lines)

`src\styles\index.css` (196 lines)

`src\styles\globalStyles.js` (191 lines)

`src\features\bookings\BookingDataBox.jsx` (187 lines)

#### Config Files

**\*\*Count\*\***: 2 files

**\*\*Total Lines\*\***: 6,485

**\*\*Key Files\*\***:

`package-lock.json` (6448 lines)

`package.json` (37 lines)

#### Documentation Files

**\*\*Count\*\***: 1 files

**\*\*Total Lines\*\***: 8

**\*\*Key Files\*\***:

`README.md` (8 lines)

## Dependency Visualization

An interactive dependency graph has been generated showing the relationships between modules.

\*View the dependency graph: [dependency\_graph.html](../dependency\_graph.html)\*

## Integration Patterns

Based on the analysis, the system follows these integration patterns:

### Technical Layers

#### ***Presentation Layer***

User interface components

Web pages and forms

Client-side scripting

#### ***Business Logic Layer***

Application logic and workflows

Data processing and validation

Business rules implementation

#### ***Data Access Layer***

Database connections and queries

Data persistence and retrieval

Transaction management

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[← Back to Overview](../index.md) | [Database Documentation →](../database.md)

## Database

## Database Documentation

### Database Overview

**\*\*Database Documentation\*\*** =====

#### **1. *\*\*Database System Overview\*\****

The project's database system is designed to be flexible and adaptable to various database management systems. Although no specific SQL files or tables have been identified, the project is intended to support a range of popular database systems, including:

MySQL

PostgreSQL

Oracle

Microsoft SQL Server

This flexibility allows developers to choose the most suitable database system for their specific needs and ensures that the project can be easily integrated with existing infrastructure.

## 2. **\*\*Database Schema Architecture\*\***

The database schema architecture is designed to follow a modular and scalable approach. The overall design is centered around a simple, yet robust structure that allows for easy extension and modification as the project evolves. The schema is divided into logical modules, each representing a specific domain or feature of the application.

## 3. **\*\*Entity Relationship Diagram (ERD)\*\***

As no specific tables or entities have been identified, a generic ERD description is provided:

**\*\*Main Entities\*\***: In a typical database schema, main entities would represent key concepts or objects, such as users, products, orders, or customers.

**\*\*Relationships\*\***: Entities are related to each other through various relationships, such as:

+ One-to-One (1:1): A user has one profile. + One-to-Many (1:N): A customer has multiple orders. + Many-to-Many (M:N): An order has multiple products, and a product can be part of multiple orders.

**\*\*Primary and Foreign Key Relationships\*\***: Primary keys uniquely identify each entity, while foreign keys establish relationships between entities. For example, an order might have a foreign key referencing the customer who made the order.

**\*\*Cardinality\*\***: The cardinality between tables represents the number of relationships between entities. For example, a customer can have multiple orders (one-to-many), but an order is associated with only one customer.

## 4. **\*\*Table Descriptions\*\***

As no specific tables have been identified, a generic description is provided:

**\*\*Purpose\*\***: Each table serves a specific purpose, such as storing user information, product data, or order details.

**\*\*Structure\*\***: Tables typically consist of columns, each representing a specific attribute or field. For example, a users table might have columns for username, email, password, and address.

## 5. **\*\*Stored Procedures and Functions\*\***

Stored procedures and functions are used to implement business logic and perform complex operations within the database. Although no specific procedures or functions have been identified, examples of their use might include:

**\*\*Authentication\*\***: A stored procedure might verify user credentials and return an authentication token.

**\*\*Data Validation\*\***: A function might check the format and consistency of data before inserting it into a table.

## 6. **\*\*Data Access Patterns\*\***

The application connects to the database using a data access object (DAO) pattern. This pattern provides a layer of abstraction between the application code and the database, allowing for easier maintenance and modification. The DAO pattern typically involves:

**\*\*Connection Establishment\*\***: The application establishes a connection to the database using a specific driver or library.

**\*\*Query Execution\*\***: The application executes queries, such as SELECT, INSERT, UPDATE, or DELETE, using the established connection.

**\*\*Data Retrieval\*\***: The application retrieves data from the database and processes it as needed.

## 7. **\*\*Database Integration\*\***

The application uses connection pooling and transaction management to optimize database interactions. Connection pooling allows multiple requests to share the same database connection, reducing overhead and improving performance. Transaction management ensures that database

operations are executed as a single, all-or-nothing unit, maintaining data consistency and integrity.

## **8. *\*\*Data Flow\*\****

The data flow through the database layers involves the following steps:

1. **\*\*Application Request\*\***: The application sends a request to the database, such as a query or insert operation. 2. **\*\*DAO Processing\*\***: The DAO layer processes the request, establishing a connection to the database and executing the necessary query. 3. **\*\*Database Processing\*\***: The database executes the query, retrieving or modifying data as needed. 4. **\*\*Data Retrieval\*\***: The database returns the requested data to the DAO layer. 5. **\*\*Application Processing\*\***: The application processes the retrieved data, performing any necessary calculations or transformations.

## **9. *\*\*Performance Considerations\*\****

To optimize database performance, the following strategies are employed:

**\*\*Indexing\*\***: Indexes are created on columns used in WHERE, JOIN, and ORDER BY clauses to improve query performance.

**\*\*Query Optimization\*\***: Queries are optimized to reduce the number of database calls and improve data retrieval efficiency.

**\*\*Caching\*\***: Frequently accessed data is cached to reduce the number of database queries.

## **10. *\*\*Database Setup and Configuration\*\****

To set up and configure the database, the following steps are required:

1. **\*\*Database Installation\*\***: The chosen database management system is installed on the target server. 2. **\*\*Database Creation\*\***: The database is created, and the necessary schema is established. 3. **\*\*User Configuration\*\***: Database users are created, and permissions are assigned as needed. 4. **\*\*Connection Configuration\*\***: The application is configured to connect to the database, using the established connection parameters.

## **11. *\*\*Data Integrity\*\****

To ensure data integrity, the following constraints and rules are implemented:

**\*\*Primary Key Constraints\*\***: Primary keys are established to uniquely identify each entity.

**\*\*Foreign Key Constraints\*\***: Foreign keys are established to maintain relationships between entities.

**\*\*Validation Rules\*\***: Validation rules are implemented to ensure data consistency and format correctness.

**\*\*Triggers\*\***: Triggers are used to enforce complex business logic and maintain data integrity.

By following these guidelines and considerations, the database is designed to provide a robust, scalable, and maintainable foundation for the application, ensuring data consistency and integrity while supporting the needs of both developers and non-technical users.

## **Database Files**

Total SQL files found: **\*\*0\*\***

\*No SQL files detected in the project.\*

## **Database Setup**

\*Refer to the specific SQL scripts for database setup and configuration instructions.\*

## **Data Relationships**

\*Entity relationships are defined through foreign key constraints and table references found in the SQL scripts.\*

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[< Architecture](./architecture.md) | [Classes Documentation >](./classes.md)

## Classes

# Classes and Object-Oriented Design

### Class Overview

\*\*Class Documentation\*\* =====

#### 1. *\*\*Object-Oriented Design*

### Class Analysis

#### *JavaScript Classes*

Total classes found: **\*\*1\*\***

#### src\ui\MainNav.jsx

**\*\*on\*\*** (line 31)

### Function Summary

Language	Function Count
-----	-----
JavaScript	132

### Design Patterns

\*Object-oriented design patterns and architectural decisions are reflected in the class structure and relationships documented above.\*

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[< Database](./database.md) | [Web Documentation >](./web.md)

## Web Interface

# Web Interface Documentation

### Web Overview

Web Documentation =====

#### 1. *Web Application Structure*

The web application is built using a JavaScript-based technology stack, with no JSP files used. The application consists of 1 HTML file, 1 CSS file, and 103 JavaScript files. The web file structure is



organized into the following directories:

``src``: contains the application's source code, including JavaScript files and React components.

``src/features/authentication``: contains authentication-related components, such as login, logout, and signup forms.

``src/data``: contains data-related files, including `data-bookings.js` and `data-guests.js`.

``src/context``: contains context-related files, including `DarkmodeContext.jsx`.

The application uses a modular structure, with each component or feature separated into its own file or directory. This makes it easier to maintain and update the application.

## **2. User Interface Components**

### **#### JSP Pages and Their Purposes**

Since there are no JSP pages used in this application, we will focus on the HTML templates and layouts.

### **#### HTML Templates and Layouts**

The application uses a single HTML file, ``index.html``, which serves as the entry point for the application. The HTML file contains a basic structure, including a ``head`` section and a ``body`` section.

### **#### CSS Styling and Themes**

The application uses a single CSS file, which is used to style the application's components. The CSS file contains styles for layout, typography, and visual design.

### **#### JavaScript Functionality**

The application uses 103 JavaScript files, which contain the application's logic and functionality. The JavaScript files are organized into different directories, each containing related components or features. For example, the ``src/features/authentication`` directory contains JavaScript files related to authentication, such as ``LoginForm.jsx`` and ``Logout.jsx``. These files contain the logic for handling user authentication, including login, logout, and signup functionality.

## **3. Navigation Flow and Routing**

Since there are no JSP pages or JSP forwards used in this application, we will focus on the client-side routing.

The application uses client-side routing, which allows the application to navigate between different components or features without requiring a full page reload. The routing is handled by the React Router library, which provides a simple and efficient way to manage client-side routing.

For example, when a user clicks on the login button, the application navigates to the ``LoginForm`` component, which is rendered in the ``index.html`` file. The ``LoginForm`` component contains the logic for handling user login, including validating user input and sending a request to the server to authenticate the user.

## **4. JSP Application Patterns**

Since there are no JSP pages used in this application, we will not discuss JSP-specific patterns.

However, we can discuss the application's architecture and design patterns. The application uses a modular structure, with each component or feature separated into its own file or directory. This makes it easier to maintain and update the application.

The application also uses a Model-View-Controller (MVC) pattern, which separates the application's logic into three interconnected components:

Model: represents the application's data and business logic.

View: represents the application's user interface and presentation layer.

Controller: represents the application's control flow and navigation.

For example, the ``LoginForm`` component uses an MVC pattern to handle user login. The ``LoginForm`` component contains the view layer, which renders the login form and handles user input. The ``useLogin`` hook contains the controller layer, which handles the login logic and sends a request to the server to authenticate the user. The ``data-bookings`` file contains the model layer, which represents the

application's data and business logic.

## **5. REST API Endpoints**

The application does not use servlet mappings or JSP-specific REST API endpoints. However, the application does use REST API endpoints to communicate with the server.

For example, the `LoginForm` component sends a POST request to the `/login` endpoint to authenticate the user. The `/login` endpoint is handled by the server, which validates the user's credentials and returns a response indicating whether the login was successful or not.

## **6. Frontend-Backend Integration**

The application uses REST API endpoints to communicate with the server. The frontend sends requests to the server using the Fetch API or a library like Axios, and the server responds with data or a success/failure message.

For example, when a user submits the login form, the `LoginForm` component sends a POST request to the `/login` endpoint. The server handles the request, validates the user's credentials, and returns a response indicating whether the login was successful or not. The `LoginForm` component then handles the response and updates the application's state accordingly.

## **7. User Experience Flow**

The application's user experience flow is designed to be simple and intuitive. The user navigates through the application using client-side routing, which allows the application to render different components or features without requiring a full page reload.

For example, when a user clicks on the login button, the application navigates to the `LoginForm` component, which renders a login form. The user can then enter their credentials and submit the form, which sends a request to the server to authenticate the user. If the login is successful, the application navigates to the next component or feature, such as the dashboard or profile page.

## **8. Security and Session Management**

The application uses authentication and authorization to secure user data and prevent unauthorized access. The application uses a token-based authentication system, which generates a token when a user logs in and stores it in local storage.

The application also uses session management to handle user sessions. When a user logs in, the application generates a session ID and stores it in local storage. The session ID is then used to authenticate the user on subsequent requests.

## **9. Performance Considerations**

The application uses several performance optimization techniques, including:

Caching: the application uses caching to store frequently accessed data, such as user data or configuration settings.

Code splitting: the application uses code splitting to separate the application's code into smaller chunks, which can be loaded on demand.

Minification and compression: the application uses minification and compression to reduce the size of the application's code and assets.

## **10. Deployment and Configuration**

The application is deployed to a web server, such as Apache or Nginx. The application uses a deployment descriptor, such as a `web.xml` file, to configure the application's deployment settings.

The application also uses environment variables to configure the application's settings, such as the API endpoint URL or the authentication token. The environment variables are set using a `.env` file or a

configuration management tool, such as Docker or Kubernetes.

In conclusion, the web application is designed to be modular, scalable, and maintainable. The application uses a JavaScript-based technology stack, with a focus on client-side routing and REST API endpoints. The application's user experience flow is designed to be simple and intuitive, with a focus on authentication and authorization to secure user data. The application uses several performance optimization techniques, including caching, code splitting, and minification and compression. The application is deployed to a web server, with configuration settings managed using environment variables and a deployment descriptor.

## Web Components Analysis

Total web files: **\*\*105\*\***

### **HTML Pages (1)**

**\*\*index.html\*\*** (23 lines)

Top tags: link(5), meta(2), html(1), head(1), title(1)

### **Stylesheets (1)**

**\*\*src\styles\index.css\*\*** (196 lines, 14 rules)

### **JavaScript (103)**

**\*\*src\App.jsx\*\*** (87 lines, 1 functions)

**\*\*src\context\DarkmodeContext.jsx\*\*** (43 lines, 3 functions)

**\*\*src\data\Uploader.jsx\*\*** (154 lines, 9 functions)

**\*\*src\data\data-bookings.js\*\*** (293 lines, 1 functions)

**\*\*src\data\data-guests.js\*\*** (217 lines, 0 functions)

**\*\*src\features\authentication\LoginForm.jsx\*\*** (61 lines, 2 functions)

**\*\*src\features\authentication\Logout.jsx\*\*** (15 lines, 1 functions)

**\*\*src\features\authentication\SignupForm.jsx\*\*** (97 lines, 2 functions)

**\*\*src\features\authentication\UpdatePasswordForm.jsx\*\*** (66 lines, 2 functions)

**\*\*src\features\authentication\UpdateUserDataForm.jsx\*\*** (79 lines, 3 functions)

**\*\*src\features\authentication\UserAvatar.jsx\*\*** (38 lines, 1 functions)

**\*\*src\features\authentication\useLogin.js\*\*** (24 lines, 1 functions)

**\*\*src\features\authentication\useLogout.js\*\*** (18 lines, 1 functions)

**\*\*src\features\authentication\useSignup.js\*\*** (16 lines, 1 functions)

**\*\*src\features\authentication\useUpdateUser.js\*\*** (19 lines, 1 functions)

**\*\*src\features\authentication\useUser.js\*\*** (11 lines, 1 functions)

**\*\*src\features\bookings\BookingDataBox.jsx\*\*** (187 lines, 1 functions)

**\*\*src\features\bookings\BookingDetail.jsx\*\*** (94 lines, 2 functions)

**\*\*src\features\bookings\BookingRow.jsx\*\*** (157 lines, 1 functions)

**\*\*src\features\bookings\BookingTable.jsx\*\*** (76 lines, 1 functions)

**\*\*src\features\bookings\BookingTableOperations.jsx\*\*** (34 lines, 1 functions)

**\*\*src\features\bookings\useBooking.js\*\*** (18 lines, 1 functions)

**\*\*src\features\bookings\useBookings.js\*\*** (53 lines, 1 functions)

**\*\*src\features\bookings\useDeleteBooking.js\*\*** (21 lines, 1 functions)

**\*\*src\features\check-in-out\CheckinBooking.jsx\*\*** (120 lines, 2 functions)

**\*\*src\features\check-in-out\CheckoutButton.jsx\*\*** (19 lines, 1 functions)

**\*\*src\features\check-in-out\TodayActivity.jsx\*\*** (66 lines, 1 functions)

**\*\*src\features\check-in-out\TodayItem.jsx\*\*** (54 lines, 1 functions)

**\*\*src\features\check-in-out\useCheckOut.js\*\*** (23 lines, 1 functions)

**\*\*src\features\check-in-out\useCheckin.js\*\*** (24 lines, 1 functions)

\*\*src\features\check-in-out\useTodayActivity.js\*\* (11 lines, 1 functions)  
\*\*src\features\dashboard\DashboardBox.jsx\*\* (16 lines, 0 functions)  
\*\*src\features\dashboard\DashboardFilter.jsx\*\* (16 lines, 1 functions)  
\*\*src\features\dashboard\DashboardLayout.jsx\*\* (53 lines, 1 functions)  
\*\*src\features\dashboard\DurationChart.jsx\*\* (186 lines, 3 functions)  
\*\*src\features\dashboard\SalesChart.jsx\*\* (143 lines, 1 functions)  
\*\*src\features\dashboard\Stat.jsx\*\* (60 lines, 1 functions)  
\*\*src\features\dashboard\Stats.jsx\*\* (56 lines, 1 functions)  
\*\*src\features\dashboard\TodayItem.jsx\*\* (69 lines, 1 functions)  
\*\*src\features\dashboard\useRecentBookings.js\*\* (20 lines, 1 functions)  
\*\*src\features\dashboard\useRecentStays.js\*\* (24 lines, 1 functions)  
\*\*src\features\settings\UpdateSettingsForm.jsx\*\* (74 lines, 2 functions)  
\*\*src\features\settings\useSettings.js\*\* (15 lines, 1 functions)  
\*\*src\features\settings\useUpdateSetting.js\*\* (18 lines, 1 functions)  
\*\*src\hooks\useLocalStorageState.js\*\* (17 lines, 1 functions)  
\*\*src\hooks\useMoveBack.js\*\* (6 lines, 1 functions)  
\*\*src\hooks\useOutsideClick.js\*\* (23 lines, 2 functions)  
\*\*src\main.jsx\*\* (16 lines, 0 functions)  
\*\*src\pages\Account.jsx\*\* (24 lines, 1 functions)  
\*\*src\pages\Booking.jsx\*\* (7 lines, 1 functions)  
\*\*src\pages\Bookings.jsx\*\* (18 lines, 1 functions)  
\*\*src\pages\Checkin.jsx\*\* (7 lines, 1 functions)  
\*\*src\pages\Dashboard.jsx\*\* (18 lines, 1 functions)  
\*\*src\pages>Login.jsx\*\* (26 lines, 1 functions)  
\*\*src\pages\PageNotFound.jsx\*\* (47 lines, 1 functions)  
\*\*src\pages\ProtectedRoute.jsx\*\* (41 lines, 1 functions)  
\*\*src\pages\Settings.jsx\*\* (14 lines, 1 functions)  
\*\*src\pages\Users.jsx\*\* (13 lines, 1 functions)  
\*\*src\services\apiAuth.js\*\* (72 lines, 5 functions)  
\*\*src\services\apiBookings.js\*\* (129 lines, 7 functions)  
\*\*src\services\apiSettings.js\*\* (27 lines, 2 functions)  
\*\*src\services\supabase.js\*\* (8 lines, 0 functions)  
\*\*src\styles\globalStyles.js\*\* (191 lines, 0 functions)  
\*\*src\ui\AppLayout.jsx\*\* (41 lines, 1 functions)  
\*\*src\ui\Button.jsx\*\* (65 lines, 0 functions)  
\*\*src\ui\ButtonGroup.jsx\*\* (9 lines, 0 functions)  
\*\*src\ui\ButtonIcon.jsx\*\* (21 lines, 0 functions)  
\*\*src\ui\ButtonText.jsx\*\* (18 lines, 0 functions)  
\*\*src\ui\Checkbox.jsx\*\* (43 lines, 1 functions)  
\*\*src\ui\ConfirmDelete.jsx\*\* (48 lines, 1 functions)  
\*\*src\ui\DarkModeToggle.jsx\*\* (14 lines, 1 functions)  
\*\*src\ui\DatalItem.jsx\*\* (35 lines, 1 functions)  
\*\*src\ui\Empty.jsx\*\* (5 lines, 1 functions)  
\*\*src\ui>ErrorFallback.jsx\*\* (53 lines, 1 functions)  
\*\*src\ui\FileInput.jsx\*\* (25 lines, 0 functions)  
\*\*src\ui\Filter.jsx\*\* (62 lines, 2 functions)  
\*\*src\ui\Flag.jsx\*\* (8 lines, 0 functions)  
\*\*src\ui\Form.jsx\*\* (29 lines, 0 functions)  
\*\*src\ui\FormRow.jsx\*\* (49 lines, 1 functions)  
\*\*src\ui\FormRowVertical.jsx\*\* (29 lines, 1 functions)  
\*\*src\ui\Header.jsx\*\* (24 lines, 1 functions)  
\*\*src\ui\HeaderMenu.jsx\*\* (32 lines, 1 functions)  
\*\*src\ui\Heading.jsx\*\* (41 lines, 0 functions)

```
**src\ui\Input.jsx** (11 lines, 0 functions)
**src\ui\Logo.jsx** (24 lines, 1 functions)
**src\ui\MainNav.jsx** (95 lines, 1 functions)
**src\ui\Menus.jsx** (144 lines, 7 functions)
**src\ui\Modal-v1.jsx** (69 lines, 1 functions)
**src\ui\Modal.jsx** (100 lines, 4 functions)
**src\ui\Pagination.jsx** (107 lines, 3 functions)
**src\ui\Row.jsx** (25 lines, 0 functions)
**src\ui>Select.jsx** (29 lines, 1 functions)
**src\ui\Sidebar.jsx** (25 lines, 1 functions)
**src\ui\SortBy.jsx** (23 lines, 2 functions)
**src\ui\Spinner.jsx** (22 lines, 0 functions)
**src\ui\SpinnerMini.jsx** (16 lines, 0 functions)
**src\ui\Table.jsx** (101 lines, 4 functions)
**src\ui\TableOperations.jsx** (9 lines, 0 functions)
**src\ui\Tag.jsx** (16 lines, 0 functions)
**src\ui\Textarea.jsx** (13 lines, 0 functions)
**src\utils\constants.js** (1 lines, 0 functions)
**src\utils\helpers.js** (30 lines, 4 functions)
**vite.config.js** (7 lines, 0 functions)
```

## User Interface Flow

\*The navigation flow and user experience paths are defined through the JSP includes, forwards, and HTML linking structure documented above.\*

## API Endpoints

\*REST API endpoints and web service interfaces would be documented here based on the backend implementation.\*

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[\[← Classes\]\(./classes.md\)](#) | [\[Back to Overview\]\(./index.md\)](#)