

# 🔗 Train Management System — User Interface Documentation

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## 🔗 Project Overview

The Train Management System UI is a web-based front-end prototype designed to simulate a railway ticketing and management system. It provides a user-friendly and visually appealing interface for both passengers and administrators. This UI-focused project serves as a foundation for future backend integration, allowing for authentication, booking management, and administrative control.

## 🔗 Key Features

### 🔗 User Authentication

- Login Page (login.html):
  - - Secure login form with username and password inputs.
  - - Show/hide password toggle functionality for better user experience.
  - - Link to registration page for new users to sign up.
- Registration Page (register.html):
  - - Simple and clean form design for new user sign-up.
  - - Fields prepared for future expansion (e.g., email, contact information).

### 🔗 Passenger Dashboard

- Customer Page (customer.html):
  - - Placeholder interface for passengers to view and manage their train bookings.
  - - Design allows easy integration of booking history, active tickets, and cancellation options.

### 🔗 Admin Dashboard

- Admin Page (admin.html):
  - - Interface for administrators to manage system activities and train schedules.
  - - Layout prepared for monitoring train statuses, managing user lists, and updating schedules.

## 🔗 Tech Stack

- HTML5: Page structure and content markup.
- CSS3 (modular stylesheets: style.css, login.css, register.css, customer.css, admin.css): Handles styling, layout, and responsiveness.
- JavaScript (customer.js, admin.js): Adds dynamic interactivity and UI behaviors.
- Boxicons: Modern icon library for consistent visual elements.

## 🔗 How to Run

- 1🔗 Download or clone the project repository.
  - 2🔗 Open login.html in a web browser to start the application.
  - 3🔗 Use navigation links to explore registration, customer, and admin pages.
- ✂ Note: No server setup is required at this stage since it is a front-end-only prototype.

## 🔗 Screenshots (Optional)

You can include screenshots for each page here to visually demonstrate:

- Login page UI
- Registration page UI
- Customer dashboard layout
- Admin dashboard layout

## 🔗 Future Enhancements

- Backend integration for real authentication and database storage.
- Enable train booking, seat selection, and payment functionality for passengers.
- Add schedule management, train tracking, and passenger list management for administrators.
- Implement advanced security measures and role-based access control.
- Improve accessibility standards and add support for multiple languages.

## 🔗🔗 Author

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## ✓ Conclusion

This project demonstrates a strong foundation in front-end design and serves as a solid starting point for a complete Train Management System. With future backend integration and feature expansion, it can evolve into a comprehensive solution for railway ticketing and management.

☐ Thank you for reviewing this project!