

Business Requirements Document (BRD)

Project Name: Train Booking Website

Client: [Train Operator's Name]

Date: [Date]

1. Project Overview

This project aims to develop a train booking website to facilitate seamless ticket reservations for users and efficient management for administrators. The platform will enable users to book tickets, view train schedules, and access their bookings. Administrators will manage train routes, stops, and reports through a secure backend interface.

2. Objectives

- Simplify train ticket booking for users with a user-friendly online platform.
 - Provide secure and efficient tools for administrators to manage train routes, stops, and reports.
 - Ensure data security and privacy for all users.
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3. Scope of Work

3.1 In Scope

- **Admin Functionality:** Managing train routes, stops, and generating reports.
- **User Functionality:** Ticket booking, viewing trains, and accessing booking history.
- **User Interface:** Developed using modern web technologies for responsiveness and usability.

3.2 Out of Scope

- **Payment Gateway Integration:** The system will not handle online payments. Payments will be settled directly at the station.
 - **Mobile Application Development:** The project focuses solely on a responsive website.
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4. Functional Requirements

4.1 Admin Functionality

1. **Admin Authentication:**
 - Admins can log in securely using an email and password.
 - Basic security measures for authentication.
2. **Train Route Management:**
 - Add, edit, and delete train routes (e.g., TVM - Bangalore).
 - Define start location, end location, start date and time, end date and time, and available seats.
3. **Stop Management:**
 - Add stops for a train route.
 - Specify the fare from the previous stop.
4. **Train Management:**
 - Disable any train as necessary.
5. **Report Generation:**
 - View total collection by date.
 - View collection of each train by date.

4.2 User Functionality

1. **User Authentication:**
 - Users can sign up and log in using an email and password.
 - Update profile information.
 2. **Train Search and Booking:**
 - Search for trains based on start stop, end stop, and date.
 - View details of selected trains and book tickets.
 3. **Booking Confirmation:**
 - Display a confirmation screen with a booking ID upon successful booking.
 - Send a confirmation email with booking details.
 4. **My Bookings:**
 - View all previous bookings on the "My Bookings" page.
 - Download tickets in PDF format.
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