**TRAIN RESERVATION SYSTEM**

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**PURPOSE**

The purpose of the project is solely to develop a platform where people could be able to book tickets for respective trains. The website interface will be tried to keep as simple as much to avoid complexity in use for people. Easy steps need to be followed just to get register with it. The idea is to demonstrate scheduling of upcoming trains so that it can help customers to plan their trips accordingly, also prices of tickets will be shown which help them to choose relatively better train as per their budget. So, our objective will be accomplished when people’s effort and time get reduced as much as possible in achieving a successful completion of ticket booking.

**SCOPE**

**End User:**

This website is most likely helpful to people seeking information or want to book tickets for train either for travelling purpose or for freight services. Mostly company owner will be end user for freight services who want to transport their materials from one to another.

**In Scope:**

* User can sign in/signup
* Searching of trains date wise
* Seat Status(i.e. booked, available, waiting)
* Payment through e-wallet
* Booking of seat
* Cancellation of ticket

**Out of Scope:**

Although, while developing project what problems generally people face while booking tickets has been kept under sight but this one is just an attempt to produce sample website with some additional feature from which we cannot be able to book a ticket of train in a real manner. The scope of this site is limited as it doesn’t contain authorized APIs for train reservation, so, its access cannot be reach to actual customers. Some of the functions of this website will be tried to keep as original one so that the person will get experience almost same as booking original one.

**Functionality:**

This one will highlight the functionality access of the super admin who manages train reservation system having responsibilities which include:-

* Manage trains
* Manage reservations
* Manage customers
* Manage stations
* Manage bookings
* Manage fare

Along with that the customers will be having facilities such as

* Signup/Login
* Booking tickets
* Selecting seats/coaches
* Searching trains date wise
* Cancellation of tickets
* Checking booking status
* Payment for booking seats

Every user needs to register first of all in order to make a search for trains. Super admin, passenger and freight service user will have respective workflow in this portal as per their roles and responsibilities.

**Project Assumption:**

* User can make a payment only through the wallet linked with their login account.
* Distance between two stations will be as per value entered in database.
* Only one train will be available for a particular route.

**REFERENCES:**

* IRCTC website (<https://www.irctc.co.in/nget/train-search>)
* IRCTC e-ticket