**Wheels On Track**

**Purpose:**

Wheels on track is an online train ticket booking site. Here the potential customers can book their tickets by choosing from and to location with the required booking date. The option of return ticket booking is available. This provides various options based on search result like available train list, type of class, available seats in the selected train. Booking can be done for the registered user or for others through registered user account by specifying details about the traveler.

**Modules:**

* Registration:

User first have to register by giving all the required details like First name, phone number, Age, Adhar number, Gender.

* Login:

1. Login for admin: Admins are allowed to add, update, view registered user details, avail offers.
2. Login for users: Users can search for train availability, seat availability and book their seats. They can also book for others through their account by entering the traveler details.

* Search:

Users can search trains based on from and to location by selecting the from date, required class and they can see the PNR status and booking history.

* Booking:

Depending on the selected date the list of available train list will be shown, user can select the appropriate train and can select the available seats. User can book for him/her and even book for others by entering the traveler details including First name, Age, phone number, Adhar number, Gender. They are required choose the food type, berth.

* Cancellation:

Users can cancel their booking by entering the PNR number. Cancellation charges will be according to cancellation policy.

Technologies:

1. Database: Microsoft SQL Server.
2. Code first approach- Applied for following models:

Train details.

Booking.

User details.

Seat details.

1. CRUD- for admin operations.
2. Autocomplete-search.
3. Ajax-For search and see available seats.
4. LINQ-To Fetch required data for displaying list the available trains.
5. Date Picker Bootstrap 3- search bar to select date.
6. Carousel- Home page.

TimeLine:

* Tables for Train data, User information, Login, Booking- 17/10/19.
* Layout Page-18/10/19.
* Searching- 19/10/19-20/10/19.
* Booking-21/10/19-22/10/19.
* Payment Portal/Sending text message-23/10/19-24/10/19.
* Testing and bug fixes-25/10/19-31/10/19.