Yatra

Yatra is an Online Bus Reservation package to manage buses, routes, employee..etc. This Online Bus Ticket Reservation System is a web based application that allow the customers to check the availability of bus tickets and buy the ticket online. We can come up with features like saving favorite routes and providing discounts. This provide a feature that will allow the customer to get a ticket booked without much hassle.

Initially, customers used to book tickets manually by go to travel agents who in turn used to book tickets for them. This was actually a tedious process and was leading to wastage of time.  It also had issues like having incorrect names or other information used to book tickets.

We can eliminate the drawbacks by developing an application which will allow customers to register themselves and book tickets, cancel tickets or postpone travel dates. This actually is a welcome step for customers as they can access the application from anywhere and will also avoid wastage of time.

**User Type:** Admin, Customer, Employee

**Modules:**

Admin  
Employees

Customer  
Route management  
Bus management  
Bus Staff Management  
Manage bookings  
View bookings  
Cancellations

**Admin:**

* Create or manage Bus information and create bus staff information.
* Allocate the bus staff to different buses that are managed.
* It will also have the option to view all bookings that were done for all buses on a day or month and confirm the scheduled booking.
* View all cancellations and rescheduled bookings. Will be able to confirm reschedule bookings.
* Admin will have a view which will show no of buses running, no of bookings on a specific day, no of cancellations on a day.
* It will have the option to add routes for which buses will be linked.

**Employees:**

* Admin will register the employee and assign a role
* Once logged in they can
* View their profile.
* View the no of bookings on a specific day.
* No .of cancellations on a day and rescheduled booking requests.
* They will be able to update and confirm rescheduled bookings.
* And also take care of canceled bookings and its transactions.

**Route management:**

* This module will be accessible to admin
* Here we add all Information related to roots like
* From Where to Where.
* Distance between two locations.
* Stoppages in a route .

**Bus management:**

* Add all information related to buses that are running regularly in a route and then link it to different routes.
* Bus features like AC/ Non A/c, Two by Two or Sleeper or Pushback etc will all be added in this module.

**Bus Staff management:**

* It will be accessible to employees and admin.
* It provide info related to a bus like a bus driver, cleaner, and attendant. Details, like name, phone no, email id, home address, alternate address, an alternate contact number for each and every staff.

**Customer:**

* This will allow a customer to search for buses on any route with date search criteria.
* Bus listings will be shown as per search criteria and will also show information related to features of the bus that are playing the specified route.
* Book option will be provided to confirm booking.
* No of passengers has to be provided and then booking can be confirmed.
* A customer will also have Manage bookings module which will show the history of all bookings that were done till date.
* The customer can reschedule a booking or cancel a booking from Manage bookings module as two options will be provided for the same.