

# REQUIREMENTS:

## Introduction:

The railway reservation system facilitates the passengers to enquiry about the trains available on the basis of boarding and destination, booking and cancellation of tickets, enquiry about the status of the booked ticket, etc. The aim of case study is to design and develop a data base maintaining records of different trains, train status and passengers. This project contains introduction to the railways reservation system. It is the computerized system of reserving the seats of train sets in advance. It is mainly used for a long route. Online reservation has made the process for the reservation of seats very much easier than even before.

## Advantages:

- Avoiding waiting in the queues for a long time.
- In case of emergency, tatkal is very useful.
- Convenient
- Time saving

## Disadvantages:

- Internet access is mandatory.
- Challenges faced during payment.

## Features:

- Manage the information of booking.
- All the fields such as Train, Payment, Ticket are validated and does not take invalid values.
- Provides the searching facilities based on various factors. Such as Train, Payment, Seat, Ticket.
- Integration of all records of Ticket.
- Review of passenger journey details with e-Ticket.

## Strengths:

- Good infrastructure.
- More user-friendly interface.

## Weakness:

- Isolated.
- Lack of accessibility.

## Opportunities:

- Strengthening eco-tourism.
- Development in digital platform of online booking.
- Development of new tourism.
- Resource availability.
- Applying unit testing.

## Detail requirements:

### High level requirements:

ID	Description	Status(Implemented/Future)
HR.01	User should be able to login	Implemented
HR.02	User should be able to select passenger details	Implemented
HR.03	User should be able to reserve the seat	Implemented
HR.04	User should be able to choose the path	Implemented
HR.05	Payment	Future

### Low level requirements:

ID	Description	HR_ID	Status(Implemented/Future)
LR.01	User Name	HR.01	Implemented
LR.02	User Password	HR.01	Implemented
LR.03	No of Passengers	HR.02	Implemented
LR.04	Name of the Passenger	HR.02	Implemented
LR.05	Gender	HR.02	Implemented
LR.06	Age	HR.02	Implemented
LR.07	Ac coach	HR.03	Implemented
LR.08	Sleeper	HR.03	Implemented
LR.09	Boarding	HR.04	Implemented
LR.10	Destination	HR.04	Implemented
LR.11	UPI	HR.05	Future
LR.12	Net Banking	HR.05	Future
LR.13	Debit/Credit Card	HR.05	Future