6. Railway reservation system:

Problem statement :-

Railway reservation system is used for booking tickets over internet. Any customer can book tickets for different trains. Software has to be developed for automating the manual reservation system of railway. The system should be standalone in nature. It should be designed to provide functionalities like booking of tickets in which a user should be able to designed to provide functionalities like booking of tickets in which a user should be able to apply for tickets of any train and of any class. The software takes the current system date and time as the date of issue and calculates the amount to be paid by the user. It also provides the functionality of cancellation of tickets.

SRS :

• Each user should have a user id and a password. Record of the users of the system should be kept in the log file. Provision should be made for full backup of the system.

• The customers can view the trains available at any day, the cost and number of tickets available for any train.

- Customer can book a ticket only if the tickets are available. Customer searches for the availability of tickets then if the tickets are available he books the ticket by initially filling details in a form.
- Tickets can be booked in 2 ways by i-ticket or by e-tickets booking.
- In case of i-ticket booking customer can book the tickets online and the tickets are couried to particular customer at their address. But in case of e-ticket booking & cancelling tickets are booked & canceled online sitting at the home & customer himself has to take print of the ticket but in both the cases amount for tickets are deducted from customers amount.
- For cancellation of ticket the customer has to go at reservation office than fill cancellation form and ask the clerk to cancel the ticket than the refund is transferred to customer account.
- After booking ticket the customer has to checkout by paying fare amount to clerk.
- The system displays the details of train of which user enter the name. The inform-ation is saved and the corresponding updating take place in the database.