Railway Reservation System

Problem statement

Railway reservation system is a system 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. The system should be standalone. It should be designed to provide functionality like booking of tickets for any train/class. The software takes the current system date & time & calculates the amount to be paid.

SRS

Each user should've a user-id & password. Record of users are also kept. Full backup of system is also required.

The customer can view the trains available. Customer searches for the availability of tickets, then if there, cost & number of tickets.

Customer can book a ticket only if they are available, customer details are taken using a form.

Tickets can be booked in two ways by i-ticket or e-ticket.

For i-ticket, booking is made online & tickets are couriered to customer. For e-ticket booking & canceling can be booked & cancelled anytime online.

For ticket cancellation customer can get the refund directly to their UPI id.

After booking the ticket, the amount is payed & online system displays the details of train of which user enters the name. Seat is reserved & corresponding updation takes place.