Railway Reservation System

Problem statement :-

Passengers frequently need to know abt reservation, status, ticket availability etc. getting which gets difficult during peak hours. No of reservation center are very less. Waiting time in queues is max during booking.

SRS :-

* Each user should have user id, password, records of users should be kept in a logfile.

* Provision for backup of data should be ready.

* Customers should be able to view tickets available on any day, cost & no of seats.

* Customers can book tickets only if they are available by filling the form.

* In case of i-tickets, tickets are couriered to customers on their address. In case of e-ticket the ticket will be mailed to the user and he has to take printout of same.

* For Cancelling of tickets, customers have to contact reservation office fill form & refund will be initiated.

* After booking, customer has to checkout by paying reg amount.

* After booking, database needs to be updated & other users must be informed.

Railway - reservation System

RailwayStation
- name : String
- add : String
- getDetails()

Train
- name : String
- capacity : int
- getDetails()

Contains

Passenger
- name : String
- Age : int
- gender : String
- Phone : int
- getDetails()

takes

General
- posTicket : int
- reserve()
- getWaitingList()

Ticket
- departure : time
- arrival : time
- startpoint : String
- endpoint : String
- book()
- cancel()

uses

books

TicketBooking
- category : String
- price : int
- addCategory()
- deleteCategory()

has

Admin
- name : String
- password : String
- login()
- logout()
- manageSystem()

supervises

Seat
- name : String

pays

Payment
- amount : int
- Mode : String
- modeofPayment()

Tatkal
- no.ofavailableseat : int