6) Railway Reservation System

Coach
+ type : string
+ no_booked : int
+ add_c()
+ delete_c()

Administrator
+ passwd : string
+ name : string
+ manage()
+ update()

Waiting
+ PNRno : int
+ display()

Engine
+ type : string
+ full : string
+ add()
+ display()

Train
+ train_no : int
+ name : string
+ no_of_coach()
+ timings : float
+ search()

Reservation
+ status : status
+ train_no : int
+ name : string
+ type : string
+ display()
+ check_avbi()
+ reserve()

RAC
+ PNR : int
+ display()

CNF
+ PNR : int
+ display()

Ticket
+ ticket_no : int
+ PNR : int
+ no_of_passenger : int
+ status : status

Passenger
+ passwd : string
+ name : string
+ email : string
+ age : int
+ search()
+ book()
+ delete()
+ pay()

makes

E-Ticket
+ amt : float
+ type : string
+ is_available : boolean

Payment
+ amt : float
+ type : string
+ is_available : boolean

<<enumeration>>
status
+ delay
+ stopped
+ Accepted

manages
train_no
1..*
1..*
0..*
1..*