IT 214 : Database Management Systems

Project Description

Title: Railway Management System

Team Details

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1) User:

Email id → Full name
Email id → Password
Email id → Age
Email id → Gender
Email id → Mobile
Email id → City
Email id → State

2) Train:

Train id → Train Name
Train id → Train Type
Train id → SeatsClass1
Train id → SeatsClass2
Train id → SeatsClass3
Train id → FareClass1
Train id → FareClass2
Train id → FareClass3
Train id → AvailableDays
Train id → SorceID
Train id → DestinationID

3) Employee:

EID → EName
EID → Category
EID → TrainID
EID → StationID
EID → Phoneno
EID → EmailID
EID → Address

4) Train Status:

{TrainID,AvailableDays} → Bookedseats1
{TrainID,AvailableDays} → Bookedseats2
{TrainID,AvailableDays} → Bookedseats3
{TrainID,AvailableDays} → Waitingseats1
{TrainID,AvailableDays} → Waitingseats2
{TrainID,AvailableDays} → Waitingseats3
{TrainID,AvailableDays} → Availableseats1
{TrainID,AvailableDays} → Availableseats2
{TrainID,AvailableDays} → Availableseats3

5) Passenger:

PNR → PName
PNR → Gender
PNR → Age
PNR → SeatNo
PNR → Class
PNR → Fare
PNR → SourceID
PNR → DestinationID

6) Route:

{TrainId,Stopnumber} → StationID
{TrainId,Stopnumber} → SorceDestination
{TrainId,Stopnumber} → ArrivalTime
{TrainId,Stopnumber} → DepartureTime

7) Station:

StationID → StationName

8) Reservation:

{EmailID,TrainID,Availableseats} → PNR
{EmailID,TrainID,Availableseats} → Reservedstatus
{EmailID,TrainID,Availableseats} → ReservationDate

All the Relations are in BCNF form.