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Tables

Ticket

bookings_history

AC

Users

pnr_train

SL

102

105

104

101

103

Train

Booking_system

Admin

pnr_train

- pnr=>PK
- train_id

Users

- username =>PK
- email =>Unique
- address
- phone
- CC
- password

ticket

- pnr
- date
- name
- age
- gender
- coachNo
- berthNo

bookings_history

- username
- pnr

Admin

- db_username =>PK
- db_password

Train

- db_train_no=>PK
- db_Sleeper
- db_AC

Booking System

- db_trainNo=>PK
- db_AC=>PK
- db_Sleeper
- db_date

sl

- db_berthNo =>PK
- db_berthType

ac

- db_berthNo =>PK
- db_berthType

101

- db_coachType => PK
- db_BerthNo =>PK
- db_bookStatus
- db_coachNo =>PK
- db_date =>PK

102

- db_coachType => PK
- db_BerthNo =>PK
- db_bookStatus
- db_coachNo =>PK
- db_date =>PK

103

- db_coachType => PK
- db_BerthNo =>PK
- db_bookStatus
- db_coachNo =>PK
- db_date =>PK

104

- db_coachType => PK
- db_BerthNo =>PK
- db_bookStatus
- db_coachNo =>PK
- db_date =>PK

105

- db_coachType => PK
- db_BerthNo =>PK
- db_bookStatus
- db_coachNo =>PK
- db_date =>PK

Booking system Procedure

Booking agent
Registeration
[Table : Users]

Checks: Same
username and email
can't register twice

Booking agent
Login
[Table : Users]

Only registered users
can login

Go to user
dashboard

Enter details :
- Trainid
- Date of Journey
- Number of Passengers
- Type of Coach: AC/Sleeper

- Trainid entered by booking agent should be released by admin on date of journey
- No. of available seats should be more or equal to the no. of passengers in the selected coach
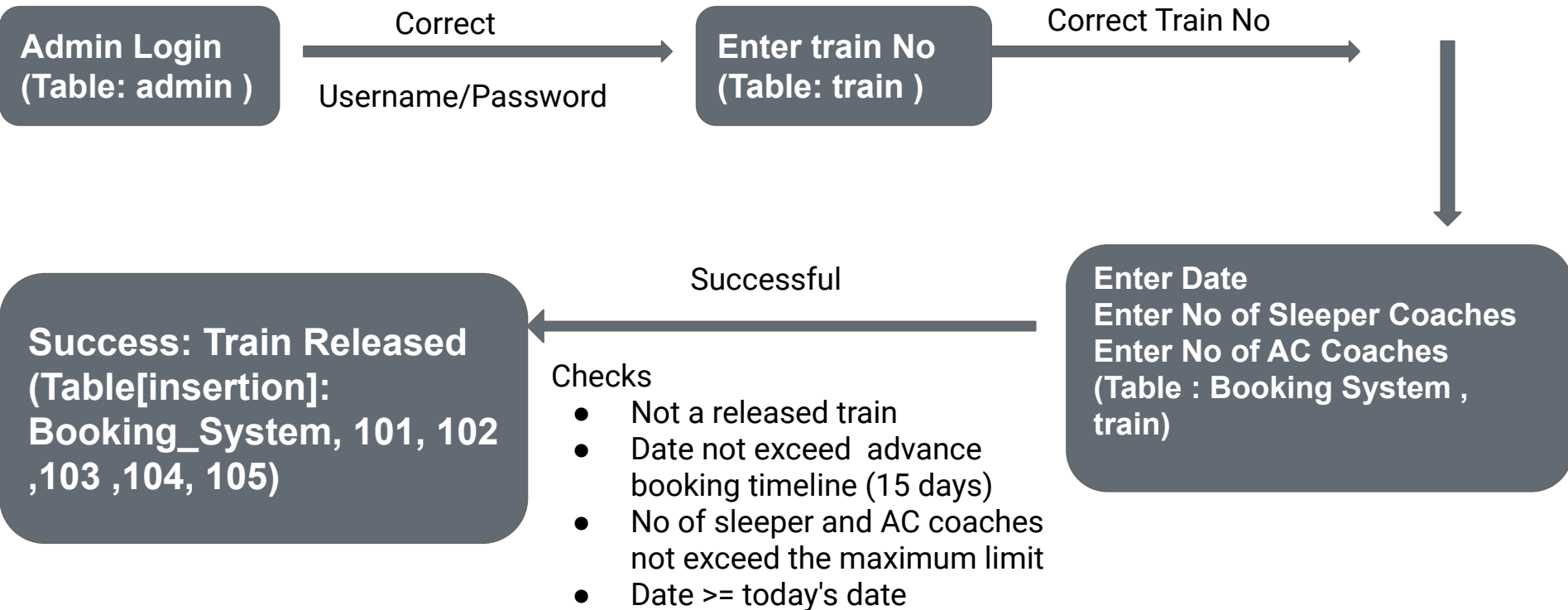
Enter details of passengers:
- Name
- Age
- Gender
[Table : ticket]

A unique PNR is
generated and ticket
is displayed

TICKET BOOKED

Train Release Procedure

Admin Login (Table: admin) → *Correct Username/Password* → **Enter train No (Table: train)** → *Correct Train No* →

Enter Date Enter No of Sleeper Coaches Enter No of AC Coaches (Table : Booking System , train)

← *Successful* ←

Success: Train Released (Table[insertion]: Booking_System, 101, 102 ,103 ,104, 105)

Checks
- Not a released train
- Date not exceed advance booking timeline (15 days)
- No of sleeper and AC coaches not exceed the maximum limit
- Date >= today's date

Thank You