## **README**

- Following technologies are used for making of this app
  - o Frontend-ReactJS
  - Backend- NodeJS, Express
  - o Database- MySQL
- Backend
  - o APIs
    - /getTrainsInfo To get a List of all trains from a given city to another on a given date.
    - /bookTicket- To book multiple seats for a passenger for a given trainNo, source, destination, date
    - /checkSeatInfo To check how many seats are available for a given train and date
  - To handle multiple users booking ticket at same time, database transaction and locks have been used.
  - o Database table with their schema is on the next page
- For searching the trains you can use the following data

## Train 1-

Stops:- MMCT, ADI, SUNR, RJT, HAPA

## Train 2

Stops:- MMCT, ADI, SUNR

For testing, one can only book tickets starting from today to 08/04/2022 and cannot book ticket of previous day

- If one searches train from between the stops then also these trains are displayed.
- If one reverse the (from-to) stations, then it does not show these trains as it is different route.
- One can book a maximum of 6 seats at time and see bookings from my bookings.







