Entities And Attributes:

1. User

* Represents the people who use the website to book train tickets.
* user\_id (PK) .
* Name .
* Email .
* Phone .
* Password .

1. Train

* Represents trains available for booking.
* train\_id (PK) .
* train\_number .
* train\_name .
* source\_station .
* destination\_station .
* departure\_time.
* arrival\_time .

1. Station

* Represents railway stations where trains start, stop, or end
* station\_id (PK) .
* station\_name .
* location .

1. Booking

* Represents a reservation made by a user.
* booking\_id (PK) .
* user\_id (FK) .
* train\_id (FK) .
* seat\_number .
* travel\_date .
* booking\_status .
* payment\_status .

1. Payment

- Tracks the payment made for a booking.

* payment\_id (PK) .
* booking\_id (FK) .
* payment\_method .
* amount .
* payment\_date .
* payment\_status

1. Ticket

-Digital or printed proof of booking.

* ticket\_id (PK) .
* booking\_id (FK) .
* issue\_date .
* qr\_code / ticket\_number .

**Relationships:**

* A **User** can have multiple **Bookings**.
* A **Booking** is associated with one **Train** and one **User**.
* A **Booking** generates one **Ticket**.
* A **Booking** has one **Payment**.
* A **Train** starts and ends at **Stations** (source and destination).
* A **Train** can have multiple **Bookings**.

ER\_Digram :

