1. Functional requirements
   * + - * Able to login and signup
         * Fetch/search trains from A 🡪 B
         * Show available seats
         * Book seat
         * Downloading/ fetching the tickets

After Requirement gathering , first thing to do is prepare LLD.

1. LLD
   1. Entities (All the physical things in the Application)
      1. USER
2. String Name
3. String HashedPassword
4. List<Tickets> tickets Booked
5. String userId
   * 1. TICKET
6. String ticketId
7. String userId
8. String source
9. String destination
10. Datetime dateOfTravel
11. Train train
    * 1. TRAIN
12. String trainId
13. String trainName
14. DateTime departureTime
15. DateTime arrivalTime
16. List<List<Boolean>> seats

After writing the entites , we have to write business logic that how the booking system is going to work, that business logic is called service.

1. SERVICE
   1. User Booking Service
2. LoginUser (User User)
3. SignUp (User user)
4. fetchBooking (User user)
5. CancelBooking (User user)
6. BookTicket(String a, String b)
   1. Train Service
7. searchTrain(String a, String b)
8. getSeatsAvailable(Train train)