

--> Create a Bus ticket booking Application Using Django and MongoDB with the following criteria:

1. Passenger Registration and Login pages

2. Passenger Membership types: a. Elite b. Premium c. Normal, should select only in the register page.

3. Add atleast 50 to 70 bus details to the database with the following criteria:

a. every bus should have unique bus number with the city/state code

for example: if the city name is Vijayawada(source stop), then the bus number will be 'VJ6521'

b. There should be 6 types of buses:

- a. AC sleeper
- b. Non-AC sleeper
- c. AC Multi Axle Semi sleeper
- d. AC seater
- e. Super Luxery
- f. Deluxe

4. When the passenger logged in with his registered Username and Password, The next page should contain passenger details with his auto generated Id followed by the fields SOURCE, DESTINATION, and DEPARTURE to search for the buses.

5. Availability of buses for the passenger('based on their Membership type'):

a. Elite -- AC sleeper, Non-AC sleeper, AC Multi Axle Semi sleeper, AC seater

b. Premium -- Non-AC sleeper, AC Multi Axle Semi sleeper, AC seater

c. Normal -- AC seater, Super Luxery, Deluxe

6. a) If the user selects any of sleeper buses(AC sleeper or Non-AC sleeper) of the available ones,

A sleeper bus layout should be displayed(15 berths lower, 15 berths upper)

b) If the user selects any of seater buses(AC seater, Super Luxery, Deluxe, AC Multi Axle Semi sleeper) of the available ones,

A seater bus layout should be displayed.

7. User can select any number of seats/berths, The next page should contain the seats that selected by the passenger to book and a submit button to book the tickets.

8. When the user press the book tickets button, the e-ticket should be generated with the following details:

a. Passenger Name

- b. Bus number and Bus type
- c. SOURCE to DESTINATION
- d. Departure date and time
- e. Booking date and time

9. If any other passenger tries to book the seats which are already booked, just show that those seat numbers are not available.

Note:

--> Seat numbers need not to be in the database

--> Every page should be different from other page

--> Dont include register and login pages

--> Passenger credentials entered in the login page should be validated with the credentials that are in the registered details.