

White Panda Backend Development Internship Task

This section tries to test your understanding of Node and NoSQL Database concepts. You are strictly advised to use NoSQL/MongoDB for DB operations and Node for writing REST APIs.

Problem Statement:

Consider the following description\requirement given by a Car Rental agency-

“Our company owns several Cars in various cities available for rent on a daily basis. Every Car has vehicle number, model, seating capacity, rent per day etc. People make reservations/booking for these cars. Booking status of these cars include the customer details, issue date (the date on which car is given on rent) and return date (the date on which customer returns the car) of the car.”

You have to make a basic system have the following **three** features –

- Add new cars
- Book a specific car based on its availability.
- Show the available cars that are available to book on a date, time, seating capacity or other filters.
- Using Car Model (only) show the details of a particular car and its currently active booking.
 - Update/Delete a Car from the system and ensure that the car should is not already booked.

You are expected to use the MVC architectural concepts -

- Define **Classes (Model)** for every Entity, mentioning the right data

types, getters, setters, etc.

- Write the program logic in the **Controller** files using the above-defined Models.
- Use the right HTTP method for performing an action/operation.
- Implementing an API Authentication **would be a bonus**.-

Deadline for the task would be 24 hours.