Innovent Integrated Solutions

Scope

The scope of the test is to create REST apis (Create and Get) for vehicle operations.

The tasks are divided into as follows -

- Store the count of vehicles based on their vehicle type (SUV,Sedan etc).
- The vehicle type can be further divided into vehicle categories ie STANDARD, STANDBY and WHEELCHAIR.
- Each vehicle category can have its own schedules of operation (Start time and end time) for each day of the week.
  - Eg- Monday - 8am - 6pm
- Each schedule can have its own route along with timings and coordinates for the same.
  - Eg- 11 am to 2 pm (Abu Dhabi to Dubai)

Guidelines

- You should provide a database diagram for the task.
- You must use typescript for the project.
- Database functions to be facilitated through an ORM (Sequelize is preferred).
- Request validations must be added (ZOD is preferred).

Bonus Points

- OOP considerations.
- Adding tests for the APIs.
- Adding documentation for the APIs.
- Using the best coding practices.