ARGUS Vehicle Inventory Exercise

Introduction

We would like to have a UI and backend in order to manage our vehicle fleet.

Mission

We would like to create an end-to-end web application that will help us manage our vehicles. The Backend should be written in any server language you like (preferably node.js) and expose a REST API, the frontend should be a client side Single page application written using any MV* framework (React, Angular, Vue.js,). You can either use a boilerplate, or write your code from scratch (for both FE and BE), whatever works for you.

Requirements

- Users should be able to see a list of all vehicles in the inventory.
- Users should be able to add/edit/delete/view a vehicle with all fields according to the model definition below.
- Users should be able to see a map with all their vehicles according to their last geolocation point
- We want to see a good UX/UI for the above user operations.

Submission guidelines

- Publish your code on Github/Bitbucket etc. (Please don't send a zip file)
- Deploy your code somewhere (for example on AWS, Heroku etc).

Vehicle model definition

- Vehicle ID (UUID)
- Vehicle name (String)
- Time Created (Epoch timestamp)
- Car Type (Enum) [SUV, Truck, Hybrid]
- Last Successful Connection (Datetime)
- Last geolocation point [Point]

Bonus points

- Logging.
- User Input Validation.
- Unit testing.
- Docker for deployment :)
- Persistentency on the Server side.

Feel free to use any external open source dependencies. (UI / Backend frameworks are allowed)

You can either use a boilerplate, or write your code from scratch (for both FE and BE), whatever works for you.
Feel free to contact me with any questions.