Angular Developer Assignment

Hello,

As we enjoyed the first interview with you, it is time to see your coding skills. This is the assignment for you:

In backend folder, there is prepared local RestAPI server. You can run it by going into the folder (cd backend) and run these two commands “npm install”, “npm start”.
Then server will be available at http://localhost:5001/

Frontend folder is empty and this is the place for your angular application.

1. Please, create a new angular app that contains two routes „/“ and „/cars“.

„/“ route is *ABOUT* page with static text content:

Simple app that allows viewing cars, adding new cars and removing them.

Figure 1 - Template of About page

„/cars“ route is *CARS* page with dynamic content:

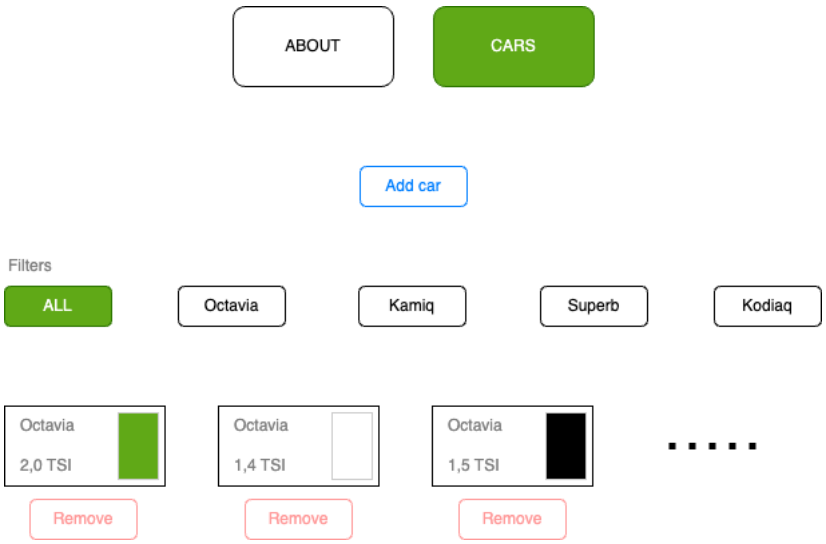

Figure 2 - Template of Cars page

2. Both pages have the same navigation highlighting current (active) route in a visible way.

3. CARS page contains/enables:

- Viewing fetched cars from server
    - Use Flex or Grid for displaying cars
    - Display loading state while fetching cars
- Each car in the list shows it's model and engine in text format, color is represented by colored html element
- Each car can be removed
- Filter (All cars or individual models – only one filter can be active at the same time)
    - Display text „no cars" when there is none in selected category (Kodiaq at the start of backend server has no cars in a list, until you add some via form)
- Adding new cars - A button with title „Add car", which is showing form, where three inputs are needed (model, engine, color). The shown form has final submit button named „Add". Form design and structure is totally up to you and it's not included in the template above.

You don't have to match the design 1:1, but you can you it as template
There is no need to persist data.

Server Rest API points are visible on http://localhost:5001/ when backend is running. Just open it in a browser.

Available API points:

- GET /api/cars - Gets a list of all cars
- POST /api/cars - Adds a car to the list (body: { model: 'string', engine: 'string', color: 'string' })
- DEL /api/cars/:id - Removes a car from the list (provide id of car you want to remove to the end of the URL)

Please, create a private GitHub repository on the first day of the assignment and commit frequently. Add us as watchers **kumprji1, zhannaux** so we can see your repository from the beginning in order to see the progress and clone your code after completion of the assignment.

To full fill your assignment you have time to our next meeting, where you will present what you have achieved.

Happy coding!