

Homework description:

1) Implement RESTful API, where is possible to query information about users and cars. API endpoints:

- GET /users
- GET /users/1
- GET /users/1/cars
- GET /cars
- GET /cars/1

2) Searching and sorting should be implemented in the front-end (using respective framework capabilities) OR in the back-end as /cars and /users root endpoints. Justify your selection with few words.

Example:

- GET /users?find=Teet&sort=name:asc

3) Make simple unit tests

Additional information:

- The data is read only (modifying/deleting is not needed).
- Data can be stored either in database, separate file or read from static variable.
- Project should be in version control system (Github, bitbucket etc.).
- Using MVC approach is preferred.
- Results can be displayed in JSON format but creating a simple UI using some front-end framework (React.js, AngularJs etc.) is a big plus.
- Using any additional technique (asynchronous requests, clean code/- architecture) or technology (queueing system etc.) you feel would help to demonstrate your skills better would be a plus.
- The JSON structure and data is on the next page in this document (see below).

Please share with us your respective version control repository link. So, that we can download the source code, test and review it.

```
[{
  "id": 1,
  "name": "Teet Järveküla",
  "cars": [{
    "id": 1,
    "make": "Lada",
    "model": "2101",
    "numberplate": "123ASD"
  }, {
    "id": 2,
    "make": "Kia",
    "model": "Sorento",
    "numberplate": "534TTT"
  }]
}, {
  "id": 2,
  "name": "Pille Purk",
  "cars": [{
    "id": 3,
    "make": "Skoda",
    "model": "Octavia",
    "numberplate": "999GLF"
  }, {
    "id": 4,
    "make": "Kia",
    "model": "Sorento",
    "numberplate": "555TFF"
  }]
}, {
  "id": 3,
  "name": "Mati Kaal",
  "cars": [{
    "id": 5,
    "make": "Lada",
    "model": "2101",
    "numberplate": "445KKK"
  }, {
    "id": 6,
    "make": "Audi",
    "model": "A6",
    "numberplate": "997HHH"
  }]
}, {
  "id": 4,
  "name": "Küllli Kukk",
  "cars": [{
    "id": 7,
    "make": "BMW",
    "model": "760",
    "numberplate": "444RRR"
  }, {
    "id": 8,
    "make": "Audi",
    "model": "A6",
    "numberplate": "876OUI"
  }]
}, {
  "id": 5,
  "name": "Teet Kruus",
  "cars": [{
    "id": 9,
    "make": "BMW",
    "model": "740",
    "numberplate": "112YUI"
  }]
}]
```