

Geoblink exercise

Front End

Requirements:

- Write Javascript code that is clean, maintainable, modular and easy to read.
- Use good architectural practices and patterns (e.g. MVC) and avoid anti patterns (e.g. hard coding variables).
- Clean HTML and CSS markup.
- Correct use of libraries.
- You can choose the framework to use for the Front End (e.g. Angular, React, Vue), but you have to explain in a short paragraph why you think it's a good choice and why you think it's better than other options out there.

Nice to have (not required, but you will get extra kudos)

- Tested code (unit test, integration tests or end to end tests).
- Deliver the exercise in a personal Git repository.
- Components built using a responsive design.

Exercise:

- Create a component for the framework of your choice that displays a drop down menu with a filterable list of countries similar to the one from appendix A.
- We will evaluate positively the accuracy reproducing the designs and the creativity if there's anything you have to design.
- Avoid any backend development/dependency. Create a mocked communication with a fake server running in Node.js that returns the JSON in appendix B.
 - **Important!** Data must be loaded asynchronously.

Not required, but you will get extra kudos if you also implement these extras:

- Add support for filtering elements of the list (see appendix C).
- Add support for selecting multiple items of the list (see appendix D).

State ▼

State ▼

- Alabama
- Alaska
- Arizona
- Arkansas
- California
- Colorado
- Connecticut
- Delaware

Arizona ▼

Backend JSON response:

```
{
  "AL": "Alabama",
  "AK": "Alaska",
  "AZ": "Arizona",
  "AR": "Arkansas",
  "CA": "California",
  "CO": "Colorado",
  "CT": "Connecticut",
  "DE": "Delaware",
  "DC": "District Of Columbia",
  "FL": "Florida",
  "GA": "Georgia",
  "HI": "Hawaii",
  "ID": "Idaho",
  "IL": "Illinois",
  "IN": "Indiana",
  "IA": "Iowa",
  "KS": "Kansas",
  "KY": "Kentucky",
  "LA": "Louisiana",
  "ME": "Maine",
  "MD": "Maryland",
  "MA": "Massachusetts",
  "MI": "Michigan",
  "MN": "Minnesota",
  "MS": "Mississippi",
  "MO": "Missouri",
  "MT": "Montana",
  "NE": "Nebraska",
  "NV": "Nevada",
  "NH": "New Hampshire",
  "NJ": "New Jersey",
  "NM": "New Mexico",
  "NY": "New York",
  "NC": "North Carolina",
  "ND": "North Dakota",
  "OH": "Ohio",
  "OK": "Oklahoma",
  "OR": "Oregon",
  "PA": "Pennsylvania",
  "RI": "Rhode Island",
  "SC": "South Carolina",
  "SD": "South Dakota",
  "TN": "Tennessee",
  "TX": "Texas",
  "UT": "Utah",
  "VT": "Vermont",
  "VA": "Virginia",
  "WA": "Washington",
  "WV": "West Virginia",
  "WI": "Wisconsin",
  "WY": "Wyoming"
}
```

Colorado
Connecticut

State ▼

State ▼

- Alabama
- Alaska
- Arizona
- Arkansas
- California
- Colorado
- Connecticut
- Delaware

Arkansas x Delaware x ▼

- California
- Colorado
- Connecticut
- District Of Columbia
- Florida
- Georgia
- Hawaii
- Idaho