

Geoblink exercise

Front End

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.

Front End



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.

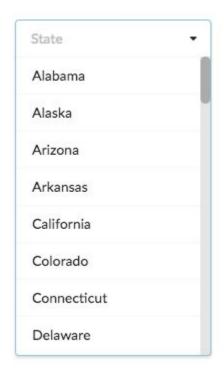
Not required, but you will get extra kudos if you also implement these extras:

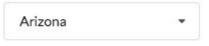
- Add support for filtering elements of the list (see appendix C).
- Add support for selecting multiple items of the list (see appendix D).

Appendix A











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"
```

Appendix C







Appendix D





