



Hi,

As part of your process, we have prepared a small assignment for you. If you have any questions, feel free to contact us via ayal@trustedpartners.com

Task is to be completed within five days from when you receive it.

Good luck!

Specification:

- Create an API proxy through which you can:
 - o GET results, based on a query parameter, from DuckDuckGo (<http://api.duckduckgo.com/?q=x&format=json>) via GET
 - o GET should return a JSON response with an array of objects that consists only of a URL field and a title field for that URL
 - o In API, do a different endpoint that gets info about past queries with the corresponding past results from a stored procedure with "FromDate" input parameter, no UI is needed for this endpoint.
- Based on that API you will build, create a front-end which has following functionality:
 - o Submit query parameter to the API
 - o Show results on the page from the API where each title is a link and support paging
- API must be built with ASP.NET / ASP.NET CORE. You can use whatever library you want to use.
- Front-end must be built with React, Redux.
- You are free to use any other library as you want / see fit.
- Persist history of user queries in a MSSQL database. Define at least 2 tables: "UserQueries", "Results" and include real life scenarios: fields, primary keys, foreign keys and indexes. Include solution database as scripts in git repo (without the data)

Additional notes:

Once you are done with the assignment, push your code to a PRIVATE repo on github and email us the invitation link to ayal@trustedpartners.com

Git(Hub) repo should contain a README.md with clear instructions how to run the code with a (brief) technical overview.

Good luck.