

## Garage take-home assignment – Fire truck invoice generator

Thank you for interviewing with Garage! Instead of multiple rounds of Leetcode, we think it's best to test on problems that our team tackles daily. That'll give both you and us a good idea of what it would be like to work together.

Please keep all information in this assignment confidential, we appreciate it!

### Context

- We've been growing the number of fire trucks listed and sold on the site and have to develop new features to support this growth.
- If you go on any of the available truck listings on our site, you'll notice a few call-to-action buttons below the pricing section.
- We use these call-to-action buttons to make it easier for potential buyers to get answers to common requests they have for us.

### New feature

- We want to flesh out the *Get PDF invoice* call-to-action button.
- Before buying a truck, many fire departments ask for a paper invoice to give to their board to receive final approval.
- You can look up examples of what invoices look like, but generally they have basic information on the truck: title, description, price.
- Ideally, someone can click on the *Get PDF invoice* button on any fire truck listing page and have the PDF invoice downloaded or emailed to them.

### Assignment

- Spin up a simple site in NextJS that has a text field input.
- We should be able to paste in a link to one of Garage's fire truck listings to get access to a PDF invoice of the truck that you programmatically create.
- Figure out what API route we use to get info on the listing.
  - Hint: it accepts field `id` which is the UUID found after `/listing` on any of our listing URLs.
- Style both the site and the invoice PDF to your best discretion!

### Submission

Email me with a publicly-accessible link to the site and a GitHub repo with the code for it.

### FAQs

- What should I do if I have questions?
  - Feel free to email me at [alaz@withgarage.com](mailto:alaz@withgarage.com) for any questions! I'm happy to help as best as I can.
- How long should this take me?
  - Please be reasonable with the amount of time you spend on this. I'd say it should take roughly 3-5 hours at the most.