FRONT END DEVELOPMENT

Congratulations! You are through to the next round of the application process at DTT!

During this round, we would like you to participate in a front end test. Through this test, you should demonstrate that you are capable to contribute to DTT and her clients on a professional level. We work for strong international brands, such as ING, Philips, Rabobank, FOX Sports and KPMG.

Details, quality of deliverables and going the extra mile to satisfy the customers are crucial. This is what DTT stands for. This is also what we ask from you during this test.

THE TEST

It is your job to create an appealing website with one of the most common front-end frameworks available. Use your favourite IDE to develop a high-end application. The application must fulfill the requirements below, other than that there are no limitations to the application. Be creative, be precise and most importantly: log your hours in the hours log.

Below a few steps to get you started:

1. Start with reading the documentation of VueJS framework + TypeScript thoroughly.
2. Decide which public API you will use (see info).
3. Read the documentation and info links below to gather the required knowledge.
4. Start developing!

Requirements

- Application is built with the VueJS framework + TypeScript.
- Application is properly structured according to the VueJS framework
- Application is written according to the TypeScript standards, HTML(W3C) and CSS(W3C) coding standards.
- Code is properly documented, indented and readable.
- Application is visually appealing regarding the chosen topic (pubic API).
- Application needs to contain the following:

1. Menu
    1. The menu contains a Home button, categories button and a random button.
    2. Menu is fixed while scrolling.
2. Homepage
    1. The homepage shows 10 records from a public API of choice.
    2. All items should be clickable to link to their detailpage.
    3. There must be a sorting option.
3. Detailpage
    1. Shows all the details retrieved from the public API regarding the selected record.
    2. Detail page shows 3 relevant other items on this page based on provided data from the   chosen public API.
4. Footer
    1. Footer contains at least a *generated sitemap*.
5. Randomizer page
    1. Randomizer page shows a random item.
    2. Randomizer page contains a button to show another random item.

- All pages within the application must be fully responsive.

Info
- Public API: Public API: https://github.com/davemachado/public-api
This API is an example, you can choose your own API to develop your application.
- Test tool: Postman (or anything similar)
- Documentation:
1. https://vuejs.org/v2/guide/
2. https://github.com/xfiveco/html-coding-standards
3. https://github.com/xfiveco/css-coding-standards

Questions?
If you have any question regarding the requirements of the assignment, or if you are stuck on a problem for too long, please don't hesitate to contact us.

More DTT
Feel free to have a look at all our apps at: https://en.d-tt.nl/app-developer-amsterdam.