

Tech test - Nina 2022

Front-End

For this test you will need knowledge about those topics

- HTML
- CSS
- Typescript
- Rest API
- Angular
- Angular Material
- JSON Server
- UX

Our objective

At NINA you will use Data all the time. So, you will need to know how to work with it.

This project will be a simple application that will allow us to understand how do you use, store and show data.

The problem

Imagine that we are a company that deliver products.

We used to store some information in books, but we decided to change it to a database.

Me, as manager, I want to use this database and make some operations with it.

You, as developer, will help me to make this application.

We haven't any data, so, you will need to create some data to test this application.

The solution

Using Angular you will create an management system that will allow us to:

- Create new Colaborators
 - Colaborator is an User that will have those attributes:
 - Name (string)
 - Role (deliverer, driver, manager, administrator)
 - Status (active, vacation, inactive)
 - Created At (date)
 - Updated At (date)
 - Deliveries made (number)
 - Deliveries in progress (number)
- Edit Users (name, role, status) - (This operation will update the Updated At attribute.)
- Delete Users
- Show all Users (You can use a table or any other way to show the list)
- Filter Users
 - by ID
 - by Name
 - by Email
 - by Role
 - by Status
 - by Created At
 - by Updated At
 - by Deliveries made
- Sort Users
 - by ID
 - by Name
 - by Email
 - by Role
 - by Status
 - by Created At
 - by Updated At
 - by Deliveries made
- List pagination
 - Show 10 Users per page
 - Show 30 Users per page
 - Show 50 Users per page
- Search Users
 - by Name
 - by Email
 - by Role
 - by Status
 - by Created At
 - by Updated At
- Favorite Users

- Login with email and password
- Logout
- Change password

Optional but recommended (we use a lot of this features):

- Charts to show the Users by Role
- Charts to show the Users by Status
- Charts to show the Users by Deliveries made
- Charts to show the Users by Deliveries in progress

We recommend to use Chart.js but you can use any other library.

The chart type will be chosen by you.

This application will be a simple CRUD application. The JSON server will work as your Back-End (it just take a few minutes to configure and you will be ready to start).

Don't worry about database, JSON Server does it for you.

To make it easier, we recommend you use Angular Material: <https://material.angular.io/>

But you can feel free to use bootstrap or create your own style.

The design of this application need to be simple and clean. Will be a differential if you use Figma or any sketch tool of your preference to develop and documentate it.

Design will be really important for your avaliation. Don't need to be perfect, but it will be good to have a good design.

Tip: We at Nina use Purple (#731aeb) as our primary color.

Avaliation

- The main goal of this project is to show how do you work with data, that way, we need to understand your thoughts, insights and ideas. To do that, we need documentation of the code.
- Design is important, but not the most important.
- The code need to be readable and easy to understand.
- Organization of your files and folders.
- We want to know if you had any difficulties and how you solved them. (We don't know about everything in the development world, we know that you will face some problems, so we need to know how do you solve your difficulties, it is most important to us than the result).

The end

We want to know about you, so, tell us at the readme what you learned with this project, the tools that you used for the first time and the challenges that you faced. We will be very happy to see your work.

If you don't finish this all features of this project, we will evaluate what you did anyways and we will give you a feedback.

If you have any questions, please contact us at: dev@ninamob.com

Good luck, and have fun!

OBS: English is really important, so, please, use it on your code and documentation.

If you don't speak English, you can try to translate this project to portuguese using <https://deepl.com/translator>