

Front-End Developer Test

Napptilus Tech Labs



INDEX

INDEX	2
SUMMARY	3
Guidelines	3
Restrictions	3
Bonus	3
VIEWS DESCRIPTION	4
Main view	4
Detail view	5

SUMMARY

Our team at Napptilus Tech Labs just received a requirement to develop a web application to manage the *Oompa Loompa*'s crew of Willy Wonka's chocolate factory. The application will serve as a tool to help the company's Human Resources department. In the factory there's a lot of work and they need a tool to list workers, see their details and even filter by name and/or profession.

Therefore, the application should consist of two views. The first view should list the *Oompa Loompa* workers and be able to filter them. The second view should show the details of an *Oompa Loompa*. The views layout should stick to the designs shown in their respective view description (which can be found further in the document).

The application should be a Single Page Application so that the navigation is done always client-side, without completely refreshing the whole document.

The solution should be presented through a public repository that must include a *README* document where you explain how to execute the application. This test is aimed at knowing how you code a web application, the technical decisions you take along the process and the overall cleanliness of your code. We do not require the website to be complete, but it is always a bonus. [Happy coding!](#)

Guidelines

- The application will only be reviewed in the latest version of Google Chrome for desktop. It is therefore not necessary to take into account the particularities of other browsers nor that of small devices.
- Use of JS third party libraries is allowed.

Restrictions

- Use of AngularJS or Ember frameworks is not allowed.
- Use of Coffeescript is not allowed.

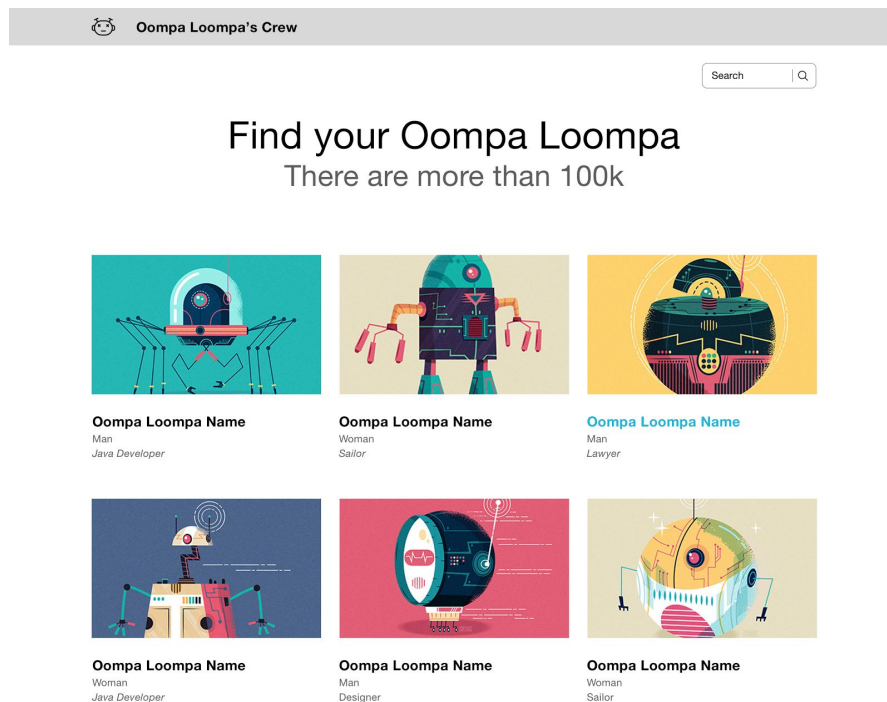
Bonus

- Implement tests.

VIEWS DESCRIPTION

Main view

URL: /



This view should show the list of *Oompa Loompas* that are available at the endpoint <https://2q2woep105.execute-api.eu-west-1.amazonaws.com/napptilus/oompa-loompas?page=1> where the *page* query param can be used to select the page to be retrieved.

The list must have an endless scroll, so that each page of *Oompa Loompas* is loaded as the user scrolls down.

Once the list is obtained for the first time from the external service, it must be stored in the client so that it is only requested if more than one day has passed since the last time it was requested.

The user can filter the list that has already received by profession and name (first and last name). No call is required in order to filter the list of *Oompa Loompas*, the filter will only take into account the already downloaded list. Filtering must have an immediate effect, so the items on the list will change as the user types characters on the filter.

The icons for the view can be obtained at:

https://s3.eu-central-1.amazonaws.com/napptilus/level-test/imgs/ic_search.png
<https://s3.eu-central-1.amazonaws.com/napptilus/level-test/imgs/logo-ump-loompa.png>

When an *Oompa Loompa* is clicked, the router must navigate to the [Detail view](#) page.

Detail view

URL: /{id}



Oompa Loompa's Crew



Oompa Loompa name

Man

Java Developer

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed lobortis, quam non dictum placerat, sapien est sagittis nisl, nec semper ex arcu eu magna. Nulla facilisi. Proin pulvinar lacus felis, lacinia convallis augue ultrices vel. Ut tincidunt consectetur felis ac blandit. Fusce ut euismod sapien, sed blandit ipsum. Integer dictum sem ut ligula placerat aliquet. Aenean malesuada dictum varius. Morbi a dui elementum, congue diam quis, lobortis erat. Curabitur sit amet turpis tortor. In venenatis porta tincidunt. Aliquam vel sagittis urna, eu elementum nibh.

This view should show the details of the selected *Oompa Loompa* according to the endpoint <https://2q2woep105.execute-api.eu-west-1.amazonaws.com/napptilus/oompa-loompas/{id}>, where {id} is the *Oompa Loompa* identifier.

Once the detail is obtained for the first time from the external service, it must be stored in the client so that it is only requested if more than one day has passed since the last time it was requested.

It must be taken into account that some episodes description include HTML and it should be shown interpreted (not escaped).

When the user clicks on the header icon, the website must go back to the [Main View](#).