

# Frontend Developer Test

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## Scenario:

- The client has requested to create a site where they can view all the country data.
- The client wants to view the site in both list view and card view.
- The client should be able to search for a specific country.
- The client also should be able to filter by region
- The client can view more detail about the country by clicking on any of the country card or list.
- The site should be responsive by mobile and laptops
- The client also request if the site have a dark theme and user can choose between dark and light theme
- As a developer, you are required to fulfill these requirements

## Screens:

You can have a better view by clicking on this link

<https://xd.adobe.com/view/3c79ebbf-bd29-4732-bfcb-48c4516de852-692a/>

Countries Card View


Dark Mode

Search for a country


Filter By Region

- Africa
- America
- Asia
- Europe
- Oceania


Table Card




**Afghanistan**  
Population: 27,657,145  
Region: Asia  
Capital: Kabul




**Åland Islands**  
Population: 28,875  
Region: Europe  
Capital: Mariehamn




**Albania**  
Population: 2,886,026  
Region: Europe  
Capital: Tirana




**Algeria**  
Population: 40,400,000  
Region: Africa  
Capital: Algiers




**American Samoa**  
Population: 57,100  
Region: Oceania  
Capital: Pago Pago




**Andorra**  
Population: 78,014  
Region: Europe  
Capital: Andorra la Vella





**Angola**  
Population: 25,868,000  
Region: Africa  
Capital: Luanda

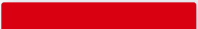


**Anguilla**  
Population: 13,452  
Region: Americas  
Capital: The Valley









Card View With Search and Filter

Countries Table View













Dark Mode

Search for a country

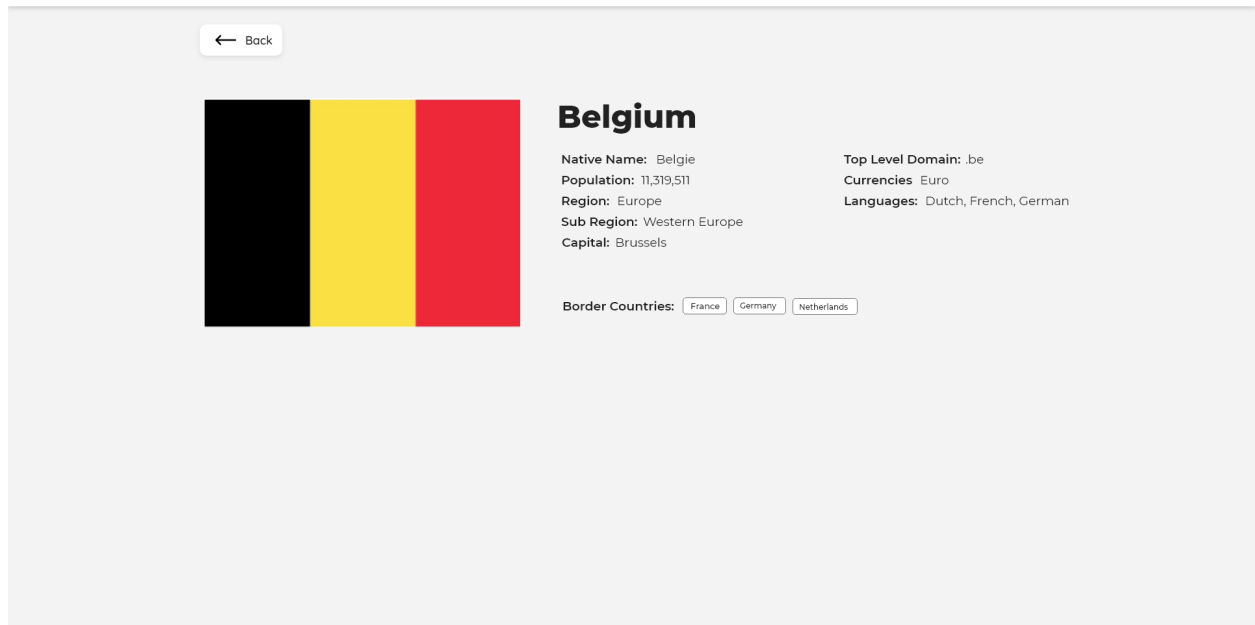
Filter By Region

- Africa
- America
- Asia
- Europe
- Oceania

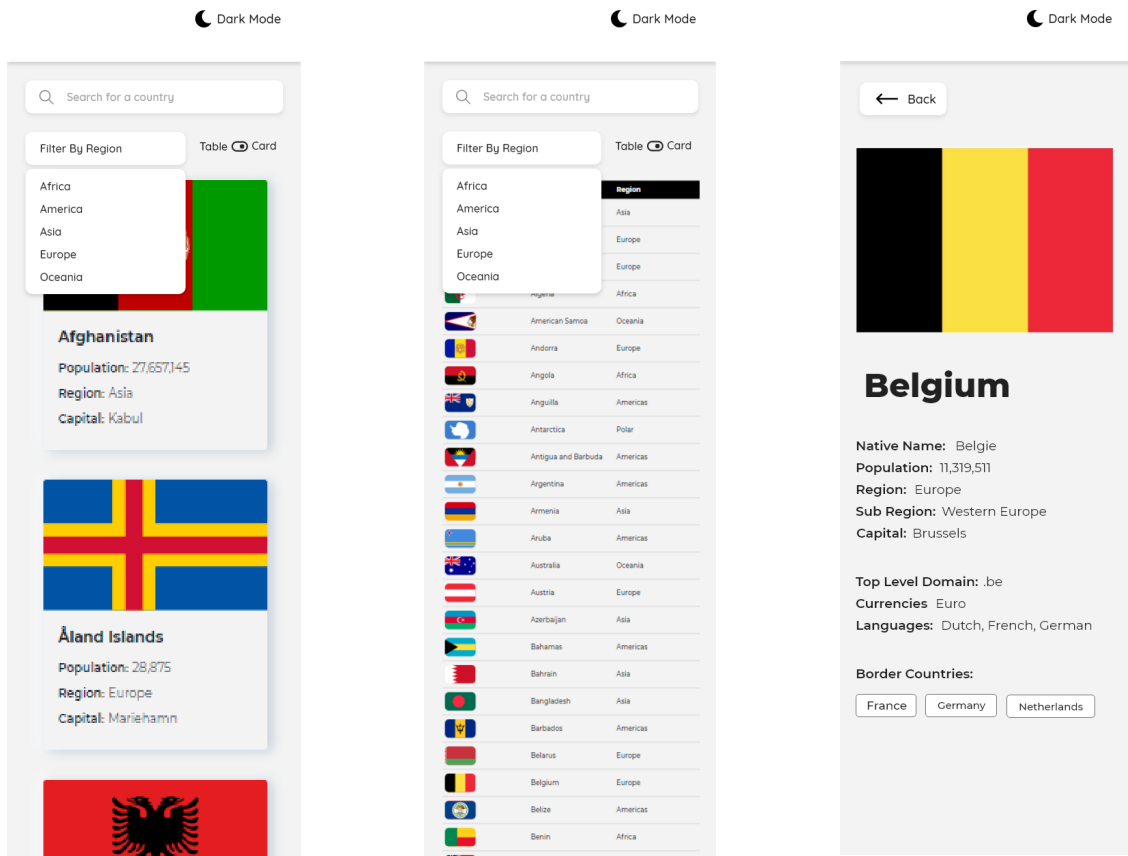
Table Card

	Population	Region	Capital	Country	Currency
	27,657,145	Asia	Kabul	Afghanistan	ؔ
	28,875	Europe	Mariehamn	Åland Islands	EUR
	2,886,026	Europe	Tirana	Albania	L ALL
	40,400,000	Africa	Algiers	Algeria	د.د DZD
	57,100	Oceania	Pago Pago	American Samoa	\$ USD
	78,014	Europe	Andorra la Vella	Andorra	€ EUR
	25,868,000	Africa	Luanda	Angola	Kz AOA
	13,452	Americas	The Valley	Anguilla	\$ XCD
	1,000	Polar		Antarctica	\$ AUD £ GBP
	86,295	Americas	Saint John's	Antigua and Barbuda	\$ XCD
	43,590,400	Americas	Buenos Aires	Argentina	\$ ARS
	2,994,400	Asia	Yerevan	Armenia	AMD

List View With Search and Filter



## Another Page to show chosen Country Details



## Mobile View Screens

## Requirement:

- For this test, you are required to
  - ❖ Create two screens, one a list view and another one a card view
  - ❖ You are required to integrate with a get API (<https://restcountries.com/v3.1/all>) to get all the country data
  - ❖ With the data, you will need to populate the list and card view as shown in the image above.
  - ❖ The site should be able to toggle between the list view and also the card view
  - ❖ The user should be able to search for a country using an input field
  - ❖ User should be able to filter countries by region
  - ❖ User can click on a country to see more detailed information on a separate page
  - ❖ The site should be responsive between laptop and mobile devices
  - ❖ You can add animation or tweak the design with your creativity
  - ❖ The user can toggle the color scheme between light and dark mode
  - ❖ Include unit testing to the search, filter and toggle functionality (*optional*)
- You can use any JavaScript framework/library on the front-end such as React or Vue.
- You also have the complete control over which packages you use to do things like make HTTP requests or style your project.
- Once you are done, you must push your project to a git repository (Github or Gitlab)
- You must email us the git repository link and instructions on how to set up the project.
- The project should run without any failure.

## Objectives:

- We want to see if you
  - ❖ Are able to create components from scratch or import from a library
  - ❖ Able to integrate and fetch data from an api call
  - ❖ Able to write function that only does one purpose
  - ❖ Able to use the DRY and KISS principle
  - ❖ Understand the fundamental of routing and able to use dynamic routing
  - ❖ Understand how flex box and grid style works
  - ❖ Able to use theming
  - ❖ Able to use bootstrap
  - ❖ Able to create a clean folder structure
  - ❖ Could write good commit messages and good documentation
  - ❖ Able to use git
- The time given is 7 days, but extensions may be given because we want to see your best code. So don't worry too much about the time limit.
- If you couldn't understand some of the terms used in this document, you can google it up. None of us knows everything and the best way to learn is by googling.

Wish you all the best and hope to hear from you soon.