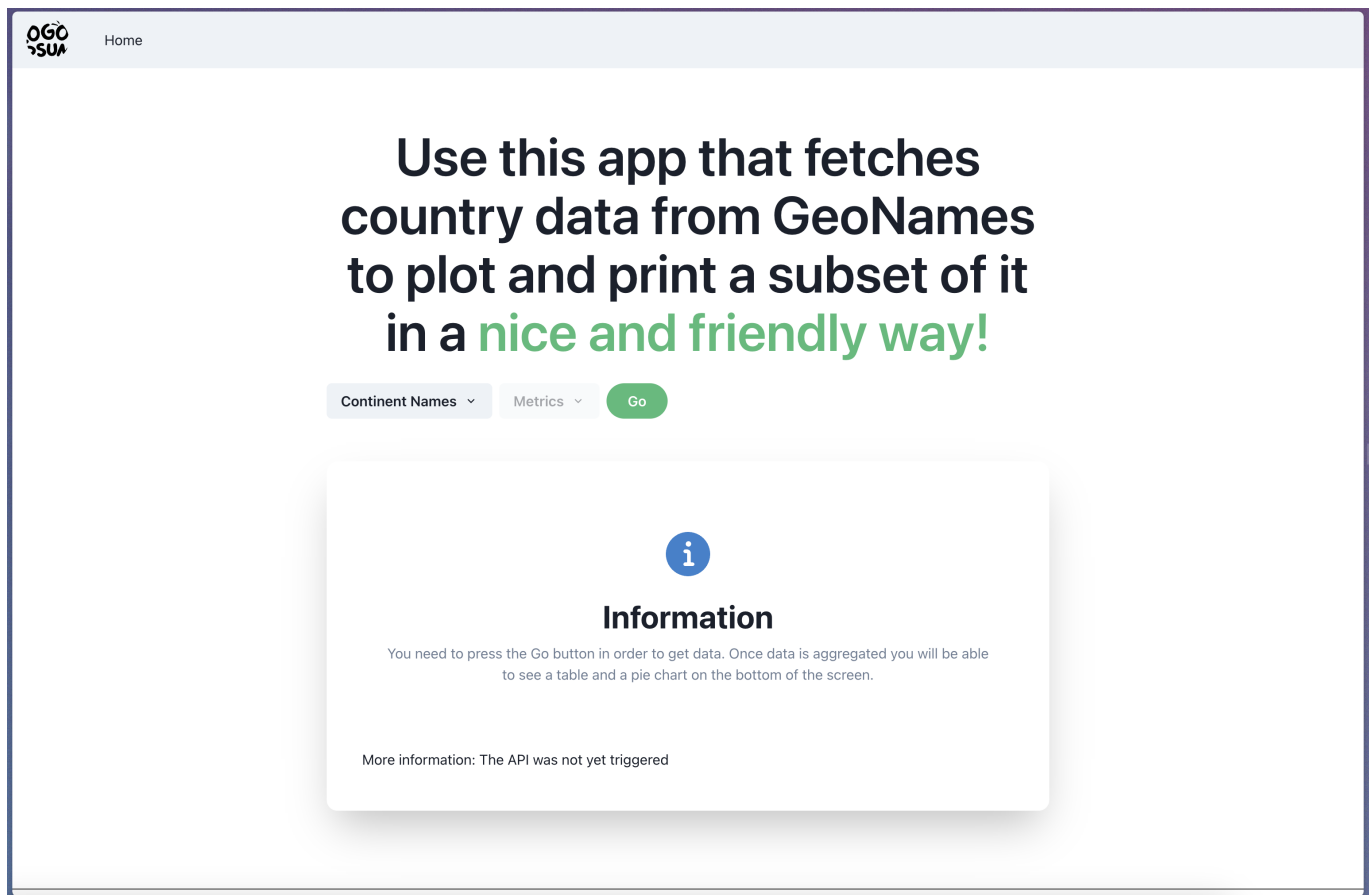


frontend_case_study



status not all requirements

📌 Getting Started

This is a [Next.js](#) project bootstrapped with [create-next-app](#) command line.

Step 1:

Download or clone this repo by using the link below:

```
https://github.com/mohamis/frontend_case_study
```

Step 2:

Go to project root and execute the following command in console to get the required dependencies:

```
npm install
```

Step 3: Run the project using dev command

```
npm run dev
```

The app should be available on <http://localhost:3000>, open it using your browser to see the result.

If you need to make modifications, the page auto-updates as you edit the file.

🤖 **API routes** can be accessed on <http://localhost:3000/api/hello>. This endpoint can be edited in [pages/api/hello.ts](#), for now it only return data from <http://api.geonames.org>.

The [pages/api](#) directory is mapped to [/api/*](#). Files in this directory are treated as **API routes** instead of React pages.

🚀 Features:

- Minimalist design using Chakra UI Chakra UI - A simple, modular and accessible component ...<https://chakra-ui.com>
- API calls
- Api route under [pages/api/hello.ts](#)
- Fetch data from <http://api.geonames.org/>
- Table view for displaying data from the API.
- Pie Chart dynamically rendered based on the table
- Conditional rendering
- Metrics change the rendering of table
- Result number render a new chart
- Disabling some features if api was not triggered

🧰 Libraries & Tools Used

- [NextJS](#)(for routing and API management, performance and fast access)
- [VSCode](#)(My code editor)
- [ReactTable](#)(For table management)
- [chakraUI](#)(Minimalist design and component)
- [highcharts](#)(Used for pie chart)

👁 Consideration check-list

A) Once website is loaded: ✅

B) Button 'Go' click functionality ✅

C) Changing value of any filter will automatically re-plot the chart and update the table results ✅

🏠 Reflection on my work

Unfortunately at the end of the day, I have seen that I didn't understood that the values under the table in the column ("population") needs to be displayed as percentages.

I followed the instructions from the pdf sent for the case study but I didn't offered a complete work.

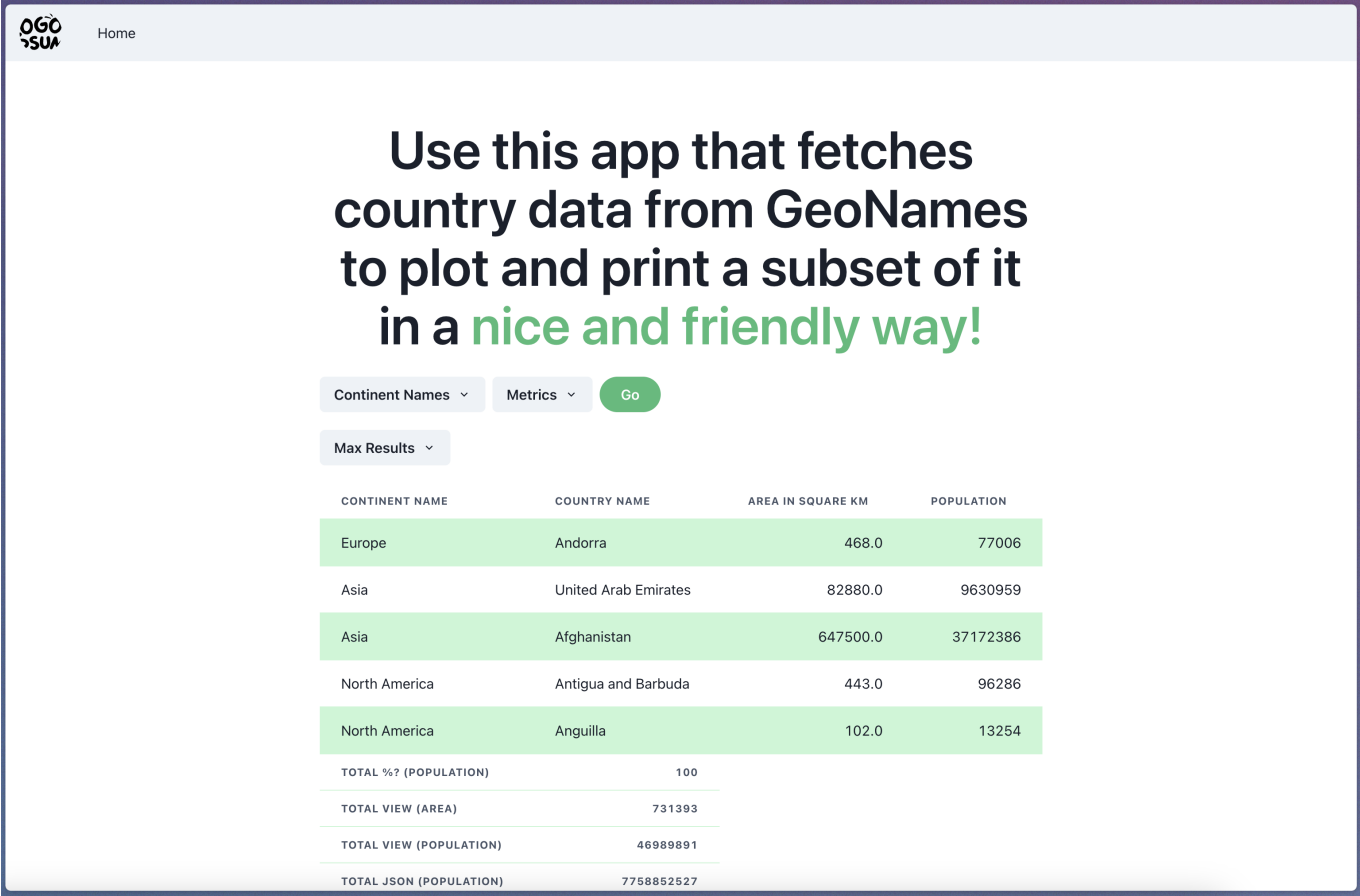
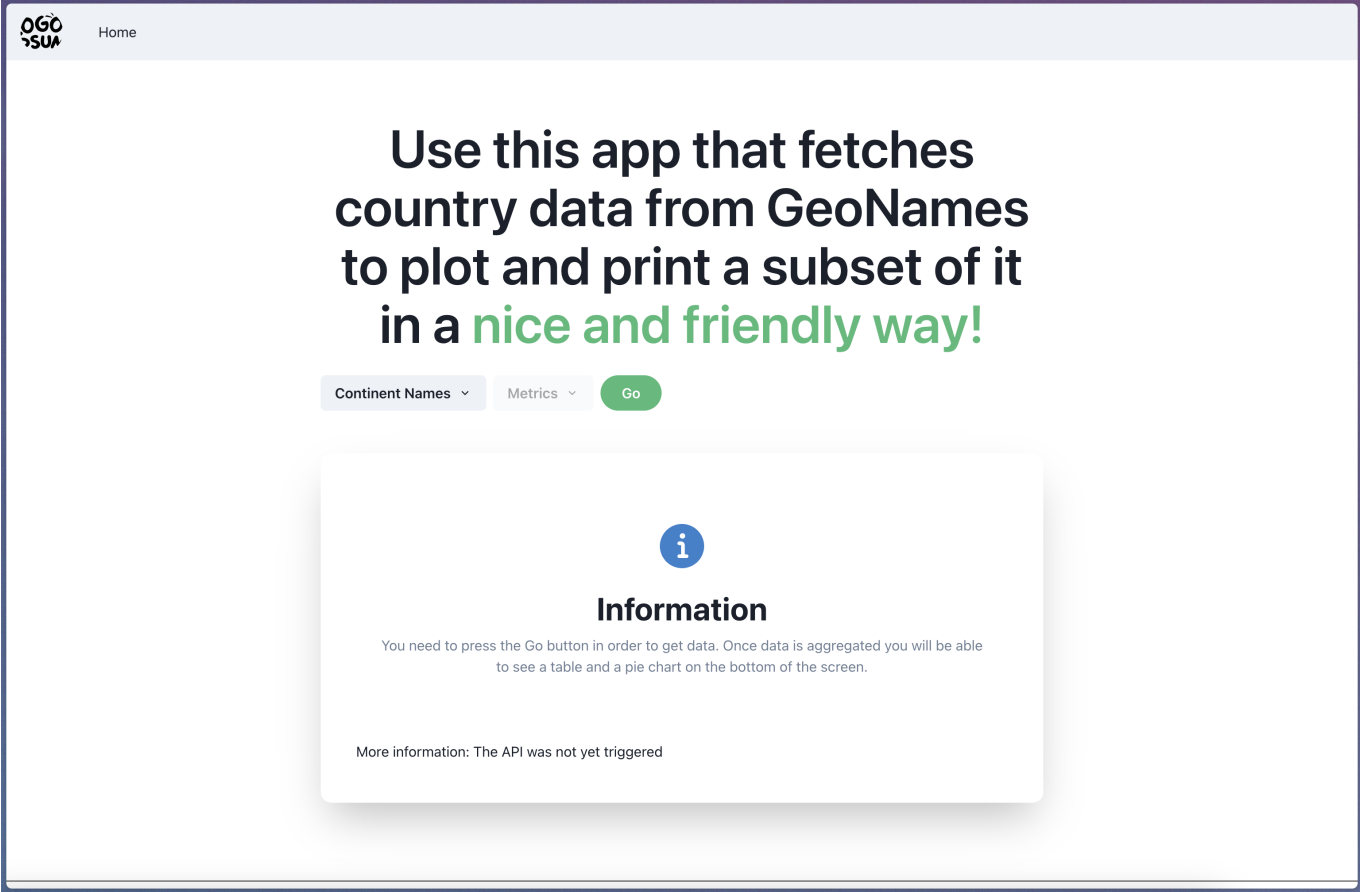
You will find that I tried my best to code clean, but in the rush, I have made some bad decisions on the code and architecture of my project...

I try as much as possible to avoid rerendering the application on data changes. If you find any bugs or problems, please let me know.

△ I have deliberately chosen to add the 200 results options to the dropdown menu, so we can see the data.



Screenshots



Learn More

To learn more about Next.js, take a look at the following resources:

- [Next.js Documentation](#) - learn about Next.js features and API.
- [Learn Next.js](#) - an interactive Next.js tutorial.

You can check out [the Next.js GitHub repository](#) - your feedback and contributions are welcome!