

Around The World Report

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OUR MOTIVATION

We wanted to create a website where everyone can learn something about the countries and people that make up this world. No matter where you are, if you have traveled the world, not traveled at all, or something in between, we hope you learn something when visiting our site and carry that knowledge with you wherever you go.

1. PROJECT OVERVIEW

Our website aims to educate people about the world outside of their country, providing knowledge ranging from basic facts, demographics and geography to food and tourism. Users will be able to navigate through the different countries for each of these topics and also see how these countries relate to each other in terms of their location and culture. We hope that users will absorb this knowledge in a way that will allow them to better understand different cultures, be more aware of different perspectives and ways of life, and be more accepting of others, all in a fun and interactive manner. We also hope that our website will be useful to those wanting to travel the world and explore other countries!

2. USER STORIES

- **Mother of 4 wanting to try food**

“Hello. I am the mother of 4 children, and I want to plan a trip to reward them for doing well so far in class. On this trip, I want to treat them to the cuisine of the world. If I could easily see the different foods around the world, that would be nice.”

We place a picture of the main dish of each country on the food and tourism page for that country and we hope that should help in this scenario! We will look into maybe adding pictures of more dishes for each country in the future.

- **Journalist looking to sightsee**

“Hello. I am a Journalist, and I am writing a piece about countries with the best views. My company is giving me an amount of money to visit these places to report about them first hand. I would like to be able to see the locations where they have places that I can sightsee, such as parks and famous spots in the area.”

We have attached a tourism video for each country on the food and tourism page, and we have also listed some of the more popular tourist attractions for that country.

- **People wanting to learn about people**

“Hello. A friend and I wanted to go to a particular country to see if we could better learn the people there. We want to learn the language, learn about the people, and know about the locations where a guide could take us around the area. Being able to see these things together would be nice!”

We have listed basic facts about the country on the demographics page for that country, including the main languages spoken there. Furthermore, we have some popular tourist locations listed on the food and tourism page, which we hope should help with this!

- **Oppressed writer inspired by the ocean**

“Hello. I am looking to work in a foreign country as a writer. I want to work somewhere where the government is not oppressive, since I want to express myself freely, but I also like to use the ocean as an inspiration. Being able to see if a country

is an island nation would be nice to fit my needs.”

We have some information regarding the water area of the country and the surrounding oceans on the geography page for that country. However, we will look into specifically categorizing a country as an island nation! As for the type of government, we have that listed under the demographics page.

- **Rich oil baron wanting to buy things**

“Hello. I am a rich oil baron billionaire hoping to start a tourism business in a wealthy country. I need some way to launder this money. Anyways, I would like to be able to sort the various locations by their GDP so that I may be capable of milking the most amount of money out of the people. On top of this, I will also be purchasing and constructing local restaurants in the area, so weeding out the areas devoid of restaurants or people would be nice.”

We will be adding functionality for sorting countries by their GDP in the next few phases. In terms of the number of restaurants or people in a specific country, we currently have population data listed under the demographics section, but we will look into adding more data about restaurants in the food & tourism section!

3. RESTful API

We created a basic structure/documentation for our API with Postman, declaring endpoints to retrieve data for all instances of each of the 3 models, as well as paths for specific instances of each model. We also created specific schemas for each instance of demographics, geography and food & tourism.

<https://documenter.getpostman.com/view/17755632/UUy396JB>.

4. MODELS

BASIC INFO & DEMOGRAPHICS

- Country Name (**sortable/searchable**)
- Capital (**searchable**)
- Flag
- Population (**sortable**)
- World Share (**sortable**)

- Language(s) **(searchable)**
- Time zone
- Primary religions **(searchable)**
- GDP **(sortable)**
- GDP per capita **(sortable)**
- Currency **(searchable)**
- Driving side
- Calling code
- Government type

GEOGRAPHY

- Country Name **(sortable/searchable)**
- Longitude **(sortable)**
- Latitude **(sortable)**
- Continent **(searchable)**
- Region
- Land Area **(sortable)**
- Water Area **(sortable)**
- Adjacent oceans **(searchable)**
- Adjacent countries **(searchable)**

FOOD AND TOURISM

- Country Name **(sortable/searchable)**
- Main dishes **(searchable)**
- Main fruits **(searchable)**
- Main vegetables **(searchable)**
- Main attractions **(searchable)**
- Number of tourists (arrivals) **(sortable)**
- Amount of food exported **(sortable)**
- Revenue from tourism **(sortable)**
- Weather **(sortable by temperature)**

5. TOOLS

- ReactJS
- React Bootstrap
- Namecheap

- Postman
- GitLab
- AWS Amplify
- APIs and Data Sources
 - <http://countrylayer.com/>
 - <https://www.bigdatacloud.com/>
 - <https://documenter.getpostman.com/view/1134062/T1LJjU52>
 - <https://developers.google.com/youtube/v3>
 - <https://www.indexmundi.com/facts/indicators/ST.INT.ARVL/rankings>

6. HOSTING

We selected and obtained a pretty URL from the hostname provider Namecheap. We collectively decided on the name “around-the-world” because it’s memorable and short, but it still aptly describes our project. On Namecheap, the top-level domain “.me” was the only free option, so we decided to go with that. We deployed our React app to AWS using Amplify, and we chose GitLab as our Git host, as per the instructions. We added “around-the-world.me” to AWS and let it verify that we were the owners of the domain. Finally, we configured the DNS settings of our domain on Namecheap to add the AWS provided CNAME and ALIAS records. By doing this, we got a TLS/SSL certification and enabled https support for our website. The website is accessible at both <https://www.around-the-world.me> and <https://around-the-world.me>.

7. GITLAB

<https://gitlab.com/mehuldar/aroundtheworld>