Cultured Foodies Technical Report

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Mission

Cultured Foodies was designed to bring the world of cuisine, culture, and current events to life in one website. Our website will provide rich visuals and cultures from all over the world -- giving users country demographic data, dishes and recipes from cultural cuisines, country and dish-related news, and more. With popping visuals and a streamlined UI, we hope to give people rich and cultural food for thought.

1. User Stories

Phase 1 User Stories

- ❖ Phase 1: User Story 1 (Make page titles more descriptive)
  - ➢ As a user, it would be really helpful to have a descriptive title name for when I have multiple websites open.
- ❖ Phase 1: User Story 2 (Add calorie count per serving to recipe instance page)
  - ➢ As someone who is trying to lose weight, it would be nice to know the calorie information for recipes.
- ❖ Phase 1: User Story 3 (Add pictures to the about page)
  - ➢ As a visual learner, it would be nice to be able to see pictures of all the developers on the About page. It would allow me to connect with them better.
- ❖ Phase 1: User Story 4 (Add flags to country page)
  - ➢ As someone interested in exploring recipes from different countries, it would be helpful to have a picture of each flag for the countries listed, to help distinguish between them.
- ❖ Phase 1: User Story 5 (Add picture for recipe)
  - ➢ As a food blogger, I want to make sure that what I am eating will look nice on my Instagram page. A picture of what the recipe will look like will be helpful.

Phase 1 Customer Stories

- ❖ Navigation Bar
    - ➢ As a user of the website, I would like to see a navigation bar to surf the different models and instance pages on the website. It would be more appealing for the navigation bar to be space-themed (in terms of font and color). Make sure the navigation is in a user-friendly location.
- ❖ Logos
    - ➢ As a user, I would like to see the logos of the tools that were used in the process of building the website. It would make your about page more UI presentable and eye-catching. Also, as a user, one would be able to quickly recognize the tools by the logos.
- ❖ As a user of the website, I would like to see a title of the website on the home page
    - ➢ It would be beneficial to get a general idea of what the website is about when clicking on the landing/home page. You could have some text displaying a summary of the website (space theme) or display the website's name in a more eye-catching way. Also, I would like to see the Splash page when first clicking on aboveearth.me and see the About Us page in a different tab (would need a navbar). Thanks :)
- ❖ Images for expeditions
    - ➢ As a user, I would like an image on an expedition page such as the space-craft. It would help me identify the aspects of an expedition. Also, it would be more visually appealing in terms of representing the data related to the space-craft.
- ❖ As a user of your website, I would like to click on a logo of an agency to see more details about that agency
    - ➢ As a user of the website, I would like to see the agency logo on the expedition page and be able to click on the agency logo to see more detailed information about that agency. This would be a fun way to access your instance page about each agency.

2. Restful API

Our Postman API can be found here.

Countries Endpoints
- GET All Countries
  https://culturedfoodies.me/api/countries?language=<string>&timezone=<string>&currency=<string>&sort=<string>&q=<string>

- GET details about a country
  https://culturedfoodies.me/api/countries/:countryId?id=<string>

Dish Endpoints
- GET All Dishes
  https://culturedfoodies.me/api/dishes?name=<string>&diet=<string>&mealType=<string>&calories=<long>

- GET details about a dish
  https://culturedfoodies.me/api/dishes/:dishid?id=<string>

News Article Endpoints
- GET All Dishes
  https://culturedfoodies.me/api/news?q=<string>&language=<string>&sort=<string>&country=<string>&topic=<string>&source=<string>

- GET details about a dish
  https://culturedfoodies.me/api/news/:newsid?id=<string>

3. Models

Country:
- ❖ Name
- ❖ Alpha3Code
- ❖ Capital
- ❖ Region
- ❖ Subregion

- ❖ Population
- ❖ Language
- ❖ Native Name
- ❖ Time zone
- ❖ Borders
- ❖ Currencies
- ❖ Translations
- ❖ Flag

Dish:
- ❖ Label
- ❖ URL
- ❖ Image
- ❖ Source
- ❖ Diet Labels
- ❖ Health Labels
- ❖ Cautions
- ❖ Ingredient Lines
- ❖ Ingredients
- ❖ Calories
- ❖ Total Time
- ❖ Cuisine Type
- ❖ Meal Type
- ❖ Dish type
- ❖ Total Nutrients

News Article:
- ❖ Summary
- ❖ Country
- ❖ Author
- ❖ Link
- ❖ Language
- ❖ Title
- ❖ Rights
- ❖ Topic
- ❖ Published Date

❖ ID

- Countries: Name, Capital, Population, Region, Lat°Lon, Size (sq km)
- Dishes: Label, Meal Type, Dish Type, Cuisine Type, Health Label, Source
- News: Number, Title, Country, Language, Author, Publish Date

4. Tools

❖ AWS S3- Used as a cloud hosting platform.
❖ GitLab- GitLab Repository and CI/CI platform.
❖ Postman- API and streamline collaboration platform.
❖ React- A JavaScript library for building user interfaces.
❖ BootStrap- Front-end development.
❖ NameCheap- Domain name registrar.

5. Hosting

We used NameCheap to get our domain name and added CNAME records from a certificate using AWS Certificate Manager for culturedfoodies.me and www.culturedfoodies.me. We used an S3 bucket from AWS to host our frontend React project and created a CloudFront distribution connected to our S3 bucket. Using our issued certificate, we were able to link our CloudFront distribution to our NameCheap domain and add a CNAME record that allows our domain name to point to our CloudFront distribution. We also added a URL redirect record so that our bare domain name would redirect to HTTP.

6. GitLab

Our GitLab repo can be found here.