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 - providing 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.
  - **Estimated time:** 40 minutes
  - **Actual time:** 30 minutes
  - **Assumptions:**
    We need to edit the Tab name of the web page depending on the page we're currently on. The 'About Page' would be titled 'About'.
  - **Implementation:**
    We looked at React-dom documentation and just had to edit the Tab name in a *useEffect* webhook. The main challenge was finding documentation for this.
- 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.
  - **Estimated time:** 3 hours
  - **Actual time:** 5 hours
  - **Assumptions/Thoughts:**
    This task would involve using the 'Dish' API we found to get dishes data for 3 specific instances. It would require setting up an instance page

that's redirected from the 'Dishes' grid page. We then need a decently formatted 'Dish' page with the calories count displayed.

- 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.
  - **Estimated Time:** 1 hour
  - **Actual time:** 3 hours
  - **Assumptions**:
    This take would require us to align 6 grids for all members and display profile pictures.
  - **Comments:**
    It took much more time than we thought to format 6 grids with a circular profile picture. We went through many styling configurations and Row/Cols documentation to get this done.
- **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
  - **Estimated time:** 2 hours
  - **Actual time:** 1 hour
  - **Assumptions/Thoughts:**
    This task would involve using the 'Country' API we found. We made the assumption our API would have a URL to a flag image (which it luckily did). This was the same process as User Story #2 (but display an image instead of text), so we got to reuse most of the code from 'Dishes/Dish' files.
- **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.
  - **Estimated Time**: 2 hours
  - **Actual time:** 1.5 hours
  - **Assumptions/Comments:**

This story would be User Story #4 but replicated for ‘Recipe’ models. We would just need to retrieve the ‘Recipe’ data and change the data we are displaying.

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).
- 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. Each model has the option to GET ALL instances of that model with optional query parameters and the option to GET ONE INSTANCE by the object id.

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 News Articles
  https://culturedfoodies.me/api/news?q=<string>&language=<string>&sort=<string>&country=<string>&topic=<string>&source=<string>

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

3. Models

Country:

- ❖ Name
- ❖ Capital
- ❖ Population
- ❖ Latitude/Longitude
- ❖ Size (sq km)
- ❖ Region
- ❖ Subregion
- ❖ Alpha3Code
- ❖ Time zones
- ❖ Bordering Countries
- ❖ Translations

Dish:

- ❖ Meal Type
- ❖ Dish Type
- ❖ Cuisine Type
- ❖ Health Label
- ❖ Source
- ❖ Dietary Labels
- ❖ Calories
- ❖ Total Energy (kcal)
- ❖ Ingredients
- ❖ Food restrictions

News Article:

- ❖ Title of news article
- ❖ Country
- ❖ Language
- ❖ Popularity rank of news source
- ❖ Published date
- ❖ Name/Title of news source
- ❖ URL of news source
- ❖ News article summary
- ❖ Author
- ❖ News source publisher description

Filterable/Sortable Attributes:

- **Country:**
  Name, Capital, Population, Latitude/Longitude, Size (sq km)
- **Dish:**
  Name, Meal Type, Dish Type, Cuisine Type, Health Label, Source
- **New Article:**
  Title, Country, Language, Popularity of News Source (Rank), Publish Date

Searchable Attributes:

- **Country:**
  Region, Time Zones, Population, Translations, Borders
- **Dish:**
  Diet Labels, Food Restrictions, Calories, Ingredients, Total Energy(kcal)
- **News Article:**
  Author, article Summary, news source URL, news source title, news source description

Media:

- **Country:**
  - Map of country, Image of Flag
- **Dish**
  - Image of Dish, YouTube Video

- **News Article**
    - Image from article, Image of author

Connections:

- **Country:** Connects to a dish because countries have dishes for their culture's cuisine. Connects to a news article because there are food-related news articles about a certain country.
- **Dish:** Connects to a country because dishes belong to certain cuisines (sushi is Japanese cuisine). Connect to a news article because a certain dish can have news articles about it.
- **News Article:** Connects to a country because each news article belongs to a particular country. Connects to a dish as each dish has new articles associated with them as well (for example, news about Burgers).

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.