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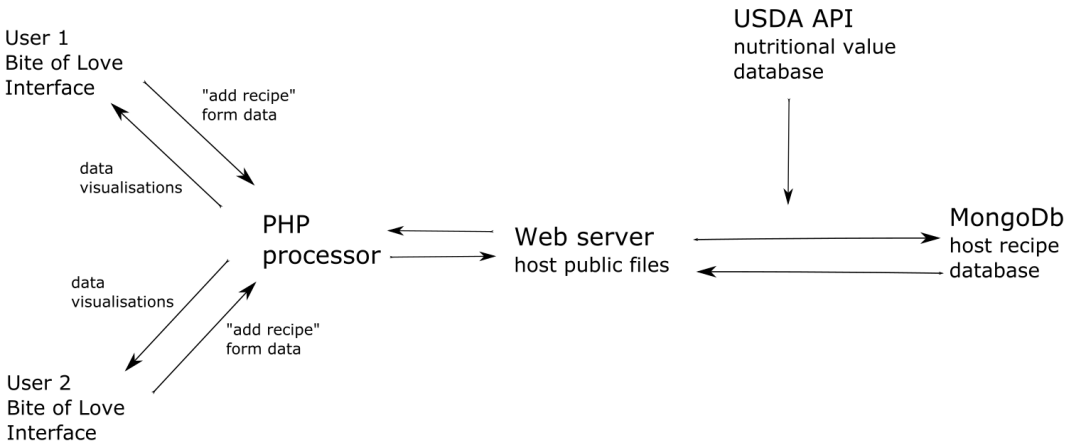
Prototype Report

Interactive prototype

- Clickable wireframe
- Mid-fidelity user interface
    - Github repository

Summary of project proposal

The goal of this project is to create a living database of culinary knowledge to explore the line between cultural identity, health and bias through the lens of food. With this project I hope to challenge the perception that eurocentric cuisine is healthier than others and put the focus on showcasing the health properties of the ingredients rather than the type of cuisine itself. The chosen audience for my project is young adults who are open to culinary explorations and who are interested in connecting to other people through food. They want to learn new things and also share their knowledge with others through the database.



Data flow through the overall system

Visual Identity

We have created a visual identity for the project and found a name “Bite of Love”. A moodboard and colour palette were produced and typefaces were chosen. Overall we wanted to go with a friendly and warm atmosphere. Warm colors will complement food pictures added by users and make them look more appealing.

Moodboard

Chosen colour palette

Features

Feature	Purpose	Completed	To do
Main navigation	Intuitively navigate through the different pages of the web project. User friendly layout helps user to understand what he can do.	Most pages are created and linked together	Add about page to explain the purpose of the project. Add illustrations to home page.
Data collection form	Collect recipe data from users and make sure they are not bots	Front-end only	Connect to MongoDb and add reCaptcha library
Search	Browse through criteria in database to find what the user is looking for	Front-end only	Write search algorithm and connect to MongoDb
Filtering	Additional filter capacity for search results	Front-end only	Write filter algorithm for search results
Recipe data display	Display recipe (tags, ingredient list and process)	Front-end only	Connect to MongoDb storing recipe and USDA API
Nutritional data visualization	Calculate nutritional value according to listed ingredients and visualise them as a chart	Front-end only	Connect to USDA API to calculate serving sizes and retrieve nutrient data. Display geographic location of dishes.
Recipe comparison	Compares the ingredients from similar recipes and suggest healthier recipes according to given criteria	Front-end only	Research criteria to evaluate health value of a recipe. Write comparison algorithm.

Selection of API and 3rd party libraries

- MongoDb library
    - To store recipe data entered by visitors through the “Add recipe” form

- ReCaptcha API
    - To filter out bots trying to access the database

- Food Data Central API
    - Database of food and their nutritional value by the U.S Department of Agriculture

- Chart.js and Google Charts library
    - To produce charts for the data visualization