React Project: **Food lookup**

# Project Overview

The application offers a user-friendly interface with a search field designed for retrieving nutritional information from an extensive food database. The search functionality is dynamic, providing real-time results as users type. Upon locating desired food items, users can seamlessly click on them to include the selected items in the top table, which aggregates nutritional totals.

Additionally, users have the ability to add new food items to the existing database. To achieve this, a dedicated "Add" button is integrated into the user interface. When users click on the "Add" button, they are redirected to a new screen housing a form. This form prompts users to input all necessary details for the new food item. To maintain data accuracy, the form incorporates robust validation measures.

A screenshot of a computer

Description automatically generatedThe combined capabilities of live search and the option to add new items empower users with a comprehensive tool for managing and retrieving nutritional information within the application.

A screenshot of a computer

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# Technical Requirement

1. **Frontend Framework:** React.js

* Version: 18

1. **Backend Framework:** API Server

* **Note:** While the use of an API server is not mandatory, it is recommended for enhanced functionality. Consider implementing an API server to handle dynamic data and improve the overall performance of the application.

1. **Database:** Relational Database

* **Note:** A relational database is recommended for storing and managing data efficiently. While the project can be developed with static data on the client, integrating a relational database provides scalability and better data organization.

1. **Optional:** API Server and Database

* **Note:** While not mandatory, the inclusion of an API server and a relational database is strongly encouraged. This setup enables dynamic data handling, enhances user experience, and facilitates future scalability. However, the project can still be implemented with static data on the client for simpler scenarios.