Group-Repo

Nutritional Food Database Analysis and Visualization Tool

Project Overview

The Nutritional Food Database Analysis and Visualization Tool is a desktop application designed to empower users with comprehensive nutritional information and analysis capabilities. This software aims to address the challenge of making informed dietary choices by providing an intuitive interface for exploring and understanding nutritional data.

Key features include:

1. Food search functionality with detailed nutritional information display
2. Interactive visualization of nutrition breakdowns using pie charts and bar graphs
3. Advanced filtering options based on nutritional content ranges and levels
4. Side-by-side comparison of multiple food items
5. Personalized meal planning based on user-defined nutritional goals and preferences

The application utilizes the Comprehensive Nutritional Food Database, offering detailed nutritional information for a wide range of food items. It's designed to cater to health-conscious individuals, dieters, nutritionists, and dietitians, providing a powerful tool for dietary analysis and decision-making.

Our team is developing this tool as part of a group project, focusing on creating a user-friendly, efficient, and informative application that can significantly impact users' understanding of their dietary choices.

Team Members

- MadH3r3K8 [Kate]
- IWibawa [Ogi]
- narakkal-nelson [Naveen]

Project Structure

- `Project Plan.md` : Detailed plan for the project development
- `Software Design Document.md` : Comprehensive design specifications
- `README.md` : This file
- `Diagrams/` : Folder containing all project diagrams and charts

Recent Updates

- Reorganized project structure: Moved all diagrams to a dedicated "Diagrams" folder
- Updated Project Plan to align with the latest Software Design Document
- Revised Software Design Document
- Implemented Work Breakdown Structure (WBS)
- Continuous updates to Project Plan and Software Design Document

Development Process

Our team is following an iterative development process, with regular updates to project documentation and design artifacts. We're using Git for version control, with all team members contributing to various aspects of the project.