PROJECT

FOOD BUDGET CALCULATOR AND ANALYZER

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DATA STRUCTURE USING C

Project Aim

The aim of the Food Expense Calculator project is to provide a user-friendly command-line tool that helps individuals manage and track their food expenses while dining out.

Functionality

Budget Setting: Users can enter their budget at the beginning of the program.

Town Selection: Users can choose between two towns, Kalamassery and Edappally, to access different food menus.

Food Selection: Users can select from a list of food items available in the chosen town and specify the quantity they wish to order.

Expense Tracking: The program keeps track of the total expense as the user selects items.

Write Data Structure Used for the Implementation

The primary data structure used in the implementation of this project is a singly linked list. The linked list is used to store the selected food items and their quantities.

Reason for choosing the specific data (answer for the above question) structure for the

Implementation

A linked list is chosen as the data structure for the following reasons:

Dynamic Size: A linked list allows for the dynamic addition and removal of food items, which is essential as users can select items in varying quantities.

Memory Efficiency: Linked lists only allocate memory for the selected food items, making efficient use of memory resources.

Similar Solutions Present

There are several expense calculators present today and it is not so unique in terms of functionality. But what I did was I made it done for two local nearby town areas. The project is straight forward compared to other available expense calculators.

Novelty in the Project

Well, without making it a normal food expense calculator with limited options I used ternary

operator to set two specific local towns which shows two different menus.