

Python programming and practice

Lunch menu recommendation

Proposal

Date : 2023.11.03

Name : 정승현

ID : 221186

1. Introduction

1) Background

These days, college students have budget constraints, and college students always eat at limited restaurants during lunch break, so choosing a lunch menu every day has become such a difficult task. To solve this difficult situation, a program is needed to recommend lunch menus according to the user's budget and cooking needs on the day.

2) Project goal

If college student users enter the food category and budget they want to eat, the goal is to randomly inform them of food and restaurants that fit the food category and budget.

3) Differences from existing programs

Existing programs simply enter the food category that users want to eat and randomly recommend menus, so there is a problem of recommending menus at ridiculous prices or difficult-to-eat menus. We ask users to enter not only the food category they want to eat but also the user's budget, and randomly recommend menus that take into account categories and budgets. And considering college student users who are sensitive to calories, writing calories next to random menus helps them select lunch menus. In this regard, menus can be recommended to users more realistically, and there is a difference from

other programs.

2. Functional Requirement

1) Function 1 (Recommended function of menu)

- Description: It randomly recommends food within the food category that users want.

(1) Detailed function 1 (User's desired food category input)

- Description: Users will choose the category of food they want to eat.

For example, choose between Korean, Chinese, Japanese and Western food.

In addition, it randomly recommends food and restaurants according to the user's selected category.

(2) Detailed function 2 (Randomly display calories on the recommended menu)

- Description: For those who are sensitive to calories, write calories next to the randomly recommended menu to help you select the menu.

2) Function 2 (Recommended features based on price range)

- Description: The ability to recommend menus within the price range that users want

(1) Detailed function 1 (User enters maximum price)

- Description: When a user enters the maximum price he or she can pay, they randomly recommend restaurants and menus that fit below the

maximum price.

3) Function 3 (Review and rating functions)

- Description: Users may leave reviews and ratings at the restaurant after finishing their food, and may not recommend or recommend the restaurant to other users.

3. Schedule

업무		11/3	11/9	11/30
제안서 작성		submission of a proposal		
기능 1	세부기능1		Set up a virtual restaurant with different food categories and create a code that recommends food according to user input	
	세부기능2		Create calories in randomly recommended foods.	
기능2	세부기능 1			Code creation that recommends menus below the maximum price for

				your budget.
기능 3	세부기능 1			Code creation to create reviews of restaurants used by users.
기능 +a	Add code if it has better features, and modify any parts that are not executed or need to be modified from time to time.			