

**파이썬 프로그래밍및실습**

# **Developing a food recommendationfunction**

**Proposal**

Date : 23/11/03

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# **1. Introduction (16 pt)**

## **1) Background (14 pt)**

Food is something you have to eat every day, but each time you choose a menu, it takes a lot of time to choose a satisfactory menu. This leads to a decrease in breakfast preparation time, lunch breaks, and work hours while thinking about meals. We need a program that automatically recommends food to solve the problem of wasting time through eating concerns and to select a more satisfying menu.

## **2) Project goal**

The goal is to recommend food menus to customers so that they can spend less time worrying about food at mealtimes and choose more satisfying menus.

## **3) Differences from existing programs**

Existing programs recommend food lists that are already finished and cannot be edited. It is highly likely that foods that do not suit individual preferences will often be recommended. We have a difference from the existing program in that by applying a customization method in which customers directly add menus, words they want to leave, allergies, etc., they store only the information they need to make customized recommendations for that customer.

## **2. Functional Requirement**

### **1) Function 1 : Menu Recommendation Function**

- Explanation: The Function to recommend a meal menu based on customer preferences.

#### **(1) Detailed function 1 : Select Category**

- Explanation: Allows you to select the category in which you would like to be recommended for food.

#### **(2) Detailed function 2: Save Memo**

- Explanation: Save the words you want to leave on the recommended food, such as recipes, precautions, and allergies.

#### **(3) Detailed function 3: Save Preferences**

- Explanation: Leave a preference for the recommended food and allow it to be reflected in the new food recommendations.

### **2) Function 2: Menu editing function**

- Explanation: Ability to edit items or information on recommended food lists

#### **(1) Detailed function 1: Add Menu**

- Explanation: Add food and leave notes such as preferences.

#### **(2) Detailed function 2: Delete Menu**

- Explanation: Delete foods you don't want to be recommended again.

### **3) Function 3: File Storage Function**

- Explanation: Upload the newly entered information, such as preferences and notes, to the file.

3. Schedule

