

Python Programming and Practice

Anagram generator & interpreter

Proposal

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1. Introduction

1) Background

Anagram is a literary device that fosters fun by hiding clues in words or sentences in mystery novels. There are difficulties in generating and interpreting anagram because anagram has to be created by changing the order of spelling one by one. To solve this problem, we need a program that automatically makes anagram and recommends it to our customers.

2) Project goal

It aims to create a program that finds words corresponding to words input by users in English dictionaries and recommends them.

3) Differences from existing programs

Existing programs supported anagram of words mostly in English and not Korean. And it simply mixed up the spelling of words and didn't just extract the combination of meaningful words. We will support Korean Anagram and only recommend combinations of meaningful words, so there is a difference from existing programs.

2. Functional Requirement

1) Function to choose between English and Korean

- 영어와 한국어 중에서 생성할 애너그램을 선택함

2) Function to receive and save words from users

- Receive words from the user and save them one letter each in the list

(1) Save English words in lowercase on the list

(2) Hangeul stores consonants and vowels separately

3) Save words in a word dictionary

The word dictionary is stored in the txt file. Save the words in the vocabulary dictionary one letter at a time in a two-dimensional list.

(1) Hangeul stores consonants and vowels separately

4) The ability to output corresponding words from a word dictionary

- Prints the saved words if they correspond to the word dictionary saved in 2)

(1) Check correspondence by calculating the number of characters between words

(2) It also implements a function that allows multiple words to correspond to one word

3. Schedule (참고: 간트차트)

업무		11/3	11/10	11/17	11/23	12/10	12/17
제안서 작성		----->					
기능1	세부기능 1		----->				
기능2	세부기능 1,2			----->			
기능3	세부기능			----->			

	1						
기능4	세부기능 1					----->	
	세부기능 2					----->	