Design a class which receives a list of words in the constructor, and implements a method that takes two words *word1* and *word2* and return the shortest distance between these two words in the list. Your method will be called *repeatedly* many times with different parameters.

**Example:**  
Assume that words = ["practice", "makes", "perfect", "coding", "makes"].

**Input:** *word1* = “coding”, *word2* = “practice”

**Output:** 3

**Input:** *word1* = "makes", *word2* = "coding"

**Output:** 1

**Note:**  
You may assume that *word1* **does not equal to** *word2*, and *word1* and *word2* are both in the list.