T-Talk It Through (8mins)

Input

- dictionary: String array
- input: String

↓

Objective

- find out if the string can be segmented into space seperated sequence of words contained in the dictionary

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Output

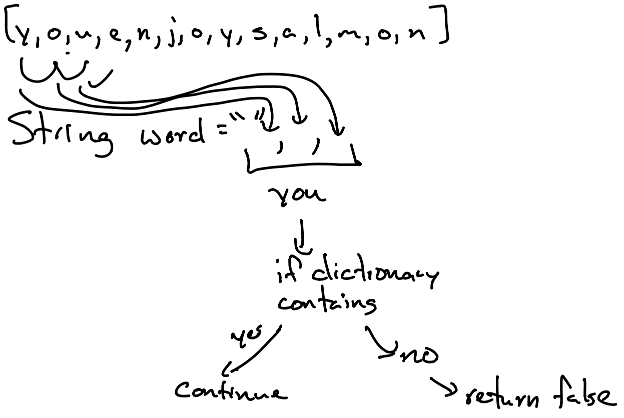
- if all the words are contained in the dictionary: boolean

Case

Null Input: throw exception
empty input: return false
empty dictionary: return false

Ex

dictionary = {pear, salmon, foot, prints, footprints, leave, you, sun, girl, enjoy}



E-Examples (4 mins)

dictionary = {pear, salmon, foot, prints, footprints, leave, you, sun, girl, enjoy}

Input String: " you enjoy "
output: true (segmented as "you enjoy")] example 1

Input String: " youleavefootprints"
output: true (segmented as "you leave footprints/foot prints"] example 2

Input String: "salmonenjoyapples"
output: false (apples not in dictionary)

B-Brute Force (12 mins)

```
String word = "";

foreach(char c in user Input){
   word.Insert(word.Length, e);
   if(dictionary.Contains(word)){
      word = "";
   }
}
if(word.Length != 0){
   return false;
}

return true;
```

O-Optimise (incomplete)

Could not find a soln

took 20 mins in optimise

44 mins to this point