Please finish the below coding test, upload to public **github**, and send us back the github link

Appreciate that the code will meet the requirements:

- 1. Well-structure maven project
- 2. Proper unit test with high test coverage
- 3. Consider OO with proper design pattern
- 4. Use some Java8 new feature if possible (advantage option)

** IMPORTANT **

Please do **NOT** put any wording onto github related to HSBC as cyber security issue, otherwise it would be considered as **FAILED** the code test.

Given a valid sentence without any spaces between the words and a dictionary of valid English words, find all possible ways to break the sentence in individual dictionary words.

Example:

#Stage 2 - new requirement to be implemented:

If user provide a customized dictionary of valid English words as additional input, and the program will only find in the user customized dictionary

```
E.g.: the user customized dictionary
{ i, like, sam, sung, mobile, icecream, man go, mango}
```

#Stage 3 - new requirement to be implemented:

If user provide a customized dictionary of valid English words as additional input, and the program will find all the valid words in the both dictionaries

```
E.g.: the user customized dictionary
{ i, like, sam, sung, mobile, icecream, man go, mango}
```