Lab Task: Two

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The classes and interfaces that were designed for this scenario are the following-

- AddToVocabularyBehaviour **<<interface>>**
- GenerateSentenceBehaviour **<<interface>>**
- LowercaseAdd
- UppercaseReversedAdd
- RandomGeneration
- OrderedGeneration
- SortedGeneration
- SentenceGenerator
- Helper

The assumptions made for the designs were:

1. Random Sentence Generator (RSG):
    a. The words are turned to lowercase before storing in vocabulary.
    b. Random selections will not have repetitions.
    c. Picked words are randomly ordered.
2. Sorted Sentence Generator (SSG):
    a. The words are turned to lowercase before storing in vocabulary.
    b. Random selections will not have repetitions.
    c. The words are sorted lexicographically.
3. Ordered Sentence Generator (OSG):
    a. All the words in the vocabulary are selected in their input order.
    b. The words are reversed and turned to uppercase before storing in vocabulary.
4. The generated sentences might be meaningless.
5. A single word will not have spaces in it.
6. Inputs will be valid strings and can contain numbers.
7. Words in the vocabulary will be lost upon changing the type of sentence generator.
8. The input words are assumed to contain only English alphabets.
9. The console menu provides an interface to select a Sentence Generator, add words to the vocabulary and generate sentences with them.