Basic flow of Anagrams application

User passes an input text file

File is placed in src\inputfile folder

readFromInputFile(String path)

Input file is read and validity of each word is checked

Iterate through collections of hashSet returned from hashMap and print values

No ← Check if Collection of set is empty → **Yes** → Show message input file is empty

getAnagrams()

dictionary.addWord(word)

Each word is added into dictionary

- For each word sort the characters in word (sorted anagrams are equal)

- Dictionary will be stored in hashMap

- Key of hash table will be sorted word

- Value of hash table will be a hashSet consisting of anagrams

- For every word from input file it is checked if there exist a key (sorted word) in hash map.

Returns HashSet, add new word to hashSet which will be anagram of existing word(s) in hashSet

Yes ← Check if Key exist in hashMap

No

Add hashSet to hashMap as value of the current key

Create a new HashSet. Add word to hashSet.