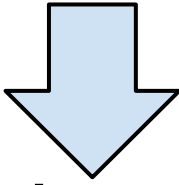
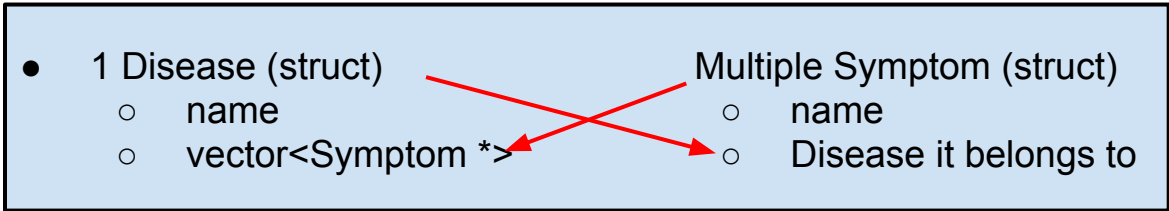
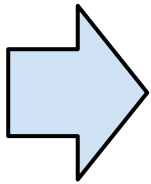
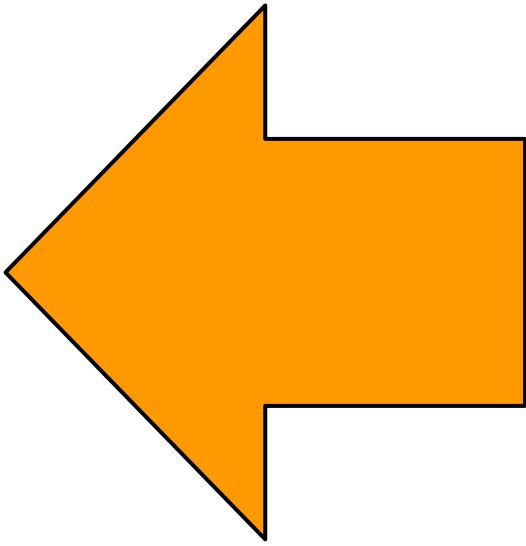


Disease1 name \t symptom1 \t symptom2...
Disease2 name \t symptom1 \t symptom2...



VectorContainer<Disease *>

(a.k.a vector<Disease *>)



Part 1: Initialization

User inputs "I have a high fever"

high fever

For loop will loop through diseases, in turn going through symptoms, to see if it can find matches.



VectorContainer<Disease *>

Brain tumour	Common cold	Liver failure	Mad Cow Disease
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vector<Symptom *>

Headache	Nausea	High Fever
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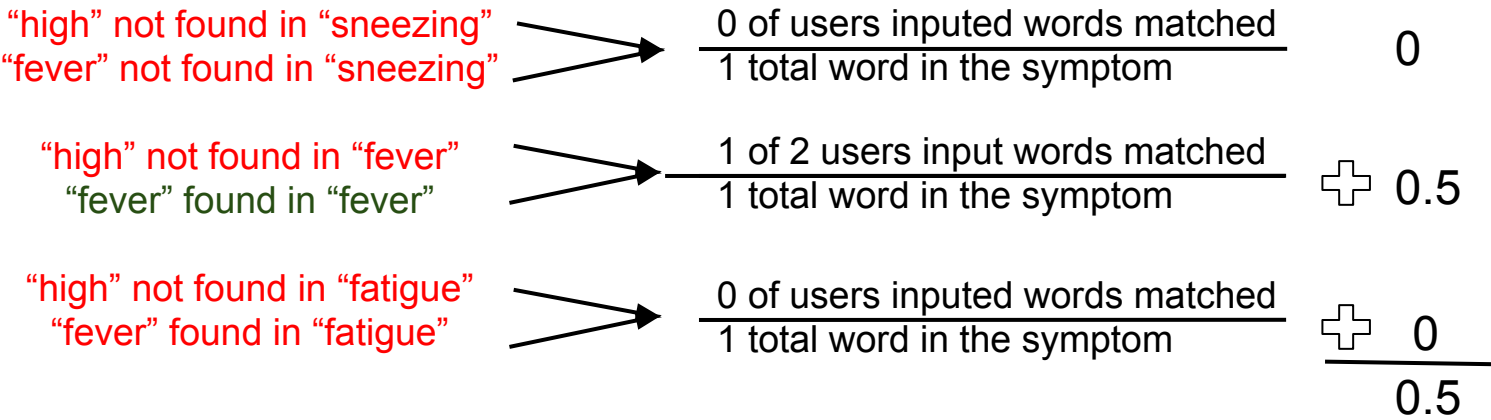
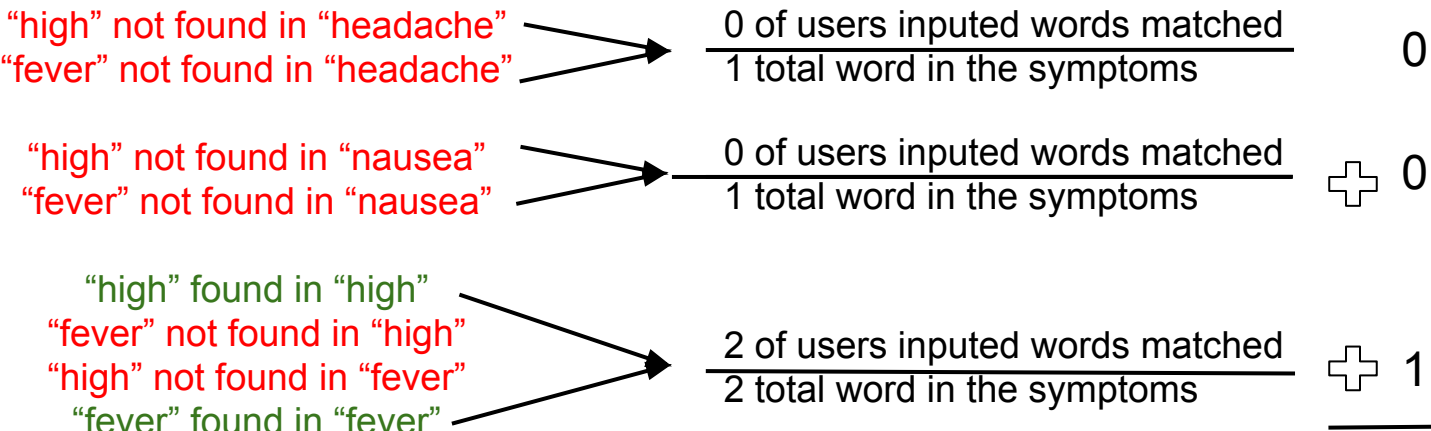
(Sneezing, fever, fatigue)

(Abdominal pain, vomiting)

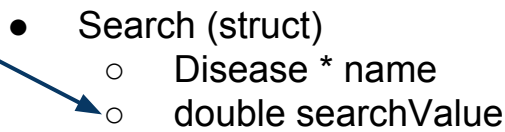
(Becoming a cow)

Because searchValue = 0, we don't add these to the return vector

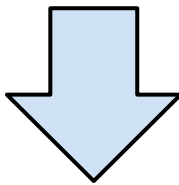
Here, we will split the user input into individual words, remove words like "I", "have" etc and then compare each word that the user typed in ("high" first and then "fever") with each word in symptoms



1 Because this value is > 0 this means that the search was successful

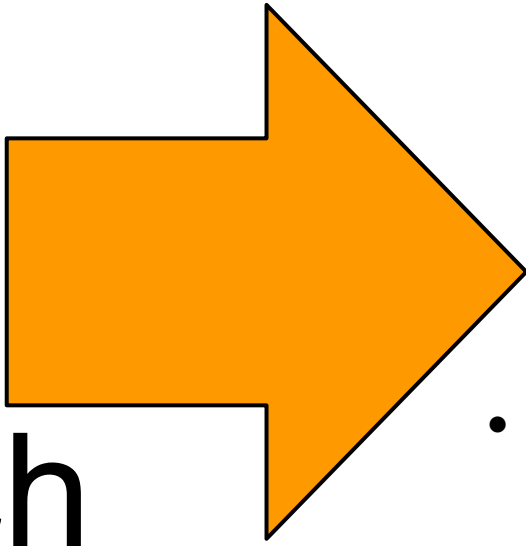
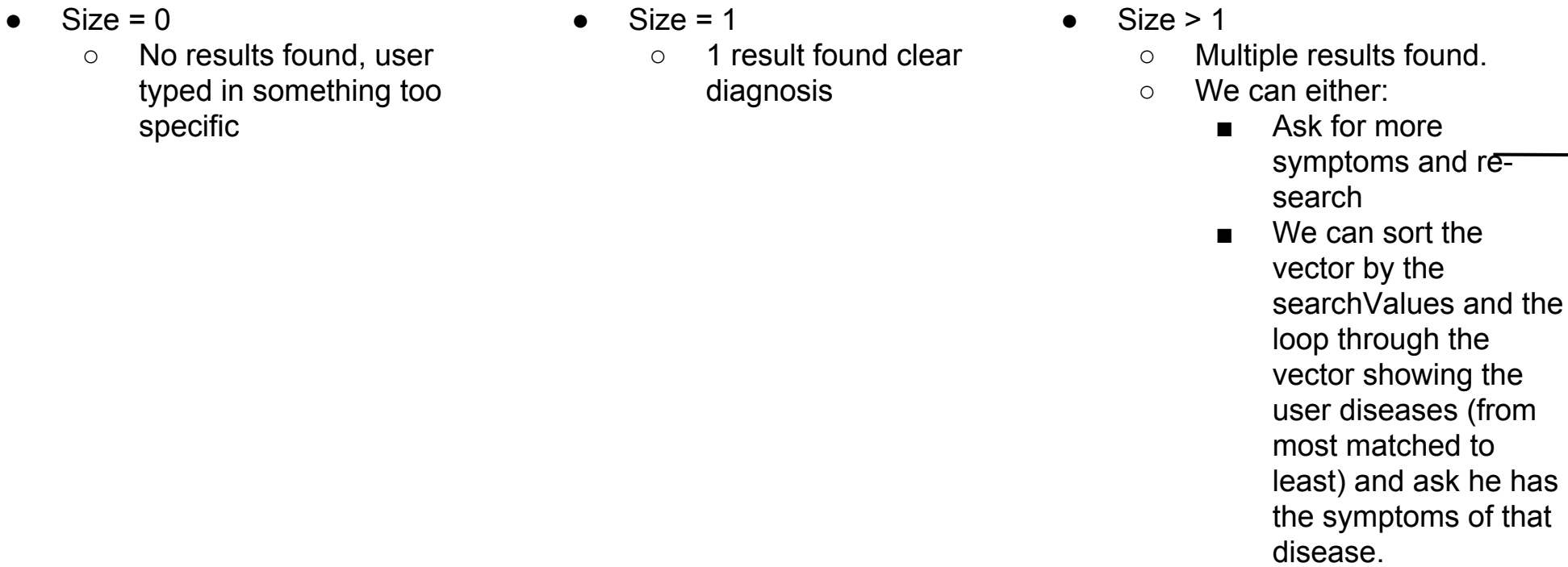


Added to a vector to return:
VectorContainer<Search *>



VectorContainer<Search *>

(a.k.a vector<Search *>)



Part 3: Post-Search