For this assignment I am creating more structure around the TriageBot I am looking to create for this course. Beginning to note some areas of support for diagnosis as the eventual database I use will have limited data, so breaking up supported diagnosis into body areas is a start in that direction. As I also need to collect symptoms, beginning to create a mechanism to prompt a user for symptoms and collect those for use later.

While I initially looked at adding methods to convert lists to strings for outputting them, the join command does this much better in less code than additional methods.

Created structures with the following:

Lists:

A default listing of body areas, that maps to the body area dictionary

A symptom list that is prompted from the User, to use in a diagnosis

Dictionary: a selection of body areas that each have their own descriptions

Each List and Dictionary is scoped to the area is needs, the body areas are global as they will be used through the program, the symptom list is only needed in the collect method and can be sent to other methods as needed.

When testing the outputs should be showing the dictionary value from the body area, and the list of symptoms with a comma between each value, so multiple words show as individual symptoms

Testing the following:

|  |  |  |  |
| --- | --- | --- | --- |
| Triage | Body Area | Symptom | Display |
| Y | Ear | Ache, Swollen Ear Canal, Ringing | All displayed |
| Y | Nose | Stuffy, Runny, Sneezing | All displayed |
| Y | Throat | Sore, Coughing, Post Nasal Drip | All displayed |
| Y | Head | Fever, Headache, Throbbing Temples, Light Sensitive | All displayed |
| N | bye |  | Chatbot exited |