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CSCE 240

Project 3 - UI Documentation

My project 3 incorporates the information processed into QnA objects by my prog2 submission. This was done using information from https://www.w3schools.com/java/java_regex.asp. For project two, I misinterpreted the directions and had already integrated a UI. This meant that my prog2 and prog3 submissions look rather similar. To improve upon the last submission, I added separation between query/responses using “- - - - -”. I also had the chatbot label its Strings with “Chatbot: “ to further increase clarity.

Old Prog2 System Example:

```
What disease are you looking for information about? (input Scabies)
scabies
What questions do you have about scabies?
  Enter STOP to exit chat
what is scabies
Scabies is a skin condition in people caused by the human itch mite. The mite burrows into the upper layer of skin to live and lay eggs.

Would you like more info? say <more information> or <no>
more
From webMD:
Scabies is not an infection, but an infestation. Tiny mites called Sarcoptes scabiei set up shop in the outer layers of human skin. The skin does not take kindly to the invasion. As the mites burrow and lay eggs inside the skin, the infestation leads to relentless itching and an angry rash.

who can get it?
Scabies is found worldwide and can spread rapidly under crowded conditions where close skin-to-skin contact is frequent. Child-care facilities, nursing homes, extended-care facilities, and prisons are often sites of scabies outbreaks. Scabies is more common in long-term travelers than in those who travel for less than 8 weeks at a time.
Animals do not have scabies and cannot spread scabies to people.
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^ Above is an example of my old output for questions and responses in prog 2. There is little distinction between user and system and it can be difficult to tell when it is appropriate to ask the next question.

New Prog3 System Example:

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Chatbot: What questions do you have about scabies?
Enter (q)uit to exit chat
what is it?

Chatbot:
Scabies is a skin condition in people caused by the human itch mite. The mite burrows into the upper layer of skin to live and lay eggs.

Would you like more info? say <more information> or <no>
more

Chatbot:
From webMD:
Scabies is not an infection, but an infestation. Tiny mites called Sarcoptes scabiei set up shop in the outer layers of human skin. The skin does not take kindly to the invasion. As the mites burrow and lay eggs inside the skin, the infestation leads to relentless itching and an angry rash.
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^ Above is an example of my new prog3 system handling conversation. Chatbot lines are clearly labeled and the end of each response ends with a dashed separation.

My project has also added functionality for “tell me everything” by looping through my arraylist of QnA objects. Entering “q” or “quit” now works to exit user out instead of “STOP” to better reflect instructor requirements. In future projects, I would like to rely less on hardcoding.