```
# Define a dictionary of symptoms and corresponding illnesses
illnesses = {
  "fever": "You may have a viral or bacterial infection.",
  "cough": "You might be suffering from a respiratory infection or allergies.",
  "headache": "There are various causes for a headache, such as stress, tension, or migraines.",
  # Add more symptoms and illnesses as needed
}
# Function to process user input and provide an appropriate response
def process_input(symptoms):
  response = ""
  for symptom in symptoms:
    if symptom in illnesses:
      response += f"{symptom}: {illnesses[symptom]}\n"
      response += f"{symptom}: Unknown illness\n"
  return response
# Main program loop
print("Welcome to the Medical Expert System Chatbot!")
print("Please describe your symptoms or medical concern.")
while True:
  user_input = input("User: ")
  user_symptoms = [symptom.strip().lower() for symptom in user_input.split(",")]
  bot_response = process_input(user_symptoms)
  print("Chatbot: " + bot_response)
  print("Is there anything else I can help you with? (yes/no)")
  continue prompt = input("User: ")
  if continue_prompt.lower() != "yes":
    break
print("Thank you for using the Medical Expert System Chatbot. Take care!")
```