\*\*SOAP Note for AI-Assisted Communication Strategies\*\*  
  
\*\*Subjective:\*\*   
- \*\*Chief Complaint (CC):\*\* Client seeks to refine AI-generated speech prompts for clarity.   
- \*\*History of Present Illness (HPI):\*\* The client has been using Gemini to generate prompts and summaries. Initially experienced difficulties with setup: "I logged into my laptop and tried to put it on my Chrome browser but wasn’t sure I clicked the right buttons," indicating struggles with technological steps. Successfully practiced self-care prompts and described physical activities, e.g., swimming, but noted instances of unclear interaction with Gemini, e.g., "I tried to remember what button do I press for share screen." The client omitted necessary wake words for Alexa interaction and exhibited filler words in approximately 12% of verbal responses when explaining tasks.   
- \*\*Review of Systems (ROS):\*\* Challenges are present in aligning speed and accuracy in Gemini usage. The client also faced difficulties conceptualizing AI-generated information into actionable plans, such as yoga routines and budgeting strategies.   
  
\*\*Objective:\*\*   
- \*\*Speech Disfluency Metrics:\*\* Inconsistent use of wake words; 12% of utterances included filler words when describing self-care tasks and prompt creation.   
- \*\*AI Tool Engagement:\*\* Adjusted prompts effectively, demonstrated by revising from "Tell me about Texas floods" to a more structured, context-specific prompt. Successfully utilized Gemini to explore self-care activities and queried potential dermatology needs, though prompt specificity requires reinforcement.   
- \*\*Therapeutic Observations:\*\* Client showed improved clarity when interpreting AI-generated outputs, particularly in creating a self-care and medical routine. Required moderate guidance to achieve a higher specificity in prompts but expressed increased confidence in utilizing Gemini for specific scenarios, such as finding local dermatologists.  
  
\*\*Assessment:\*\*   
- \*\*Problem:\*\* Speech disfluency affects the clarity and specificity of AI-generated prompts, impacting the effectiveness of tools like Gemini.   
- \*\*Differential Diagnosis:\*\* Primary barriers include overreliance on default AI settings and insufficient prompt specificity, further compounded by unfamiliarity with optimizing AI tool interactions.   
- \*\*Discussion:\*\* The client’s use of filler words contributes to less precise AI responses. While the client navigates AI tools positively, there remains a gap in maximizing the tools' specificity and relevance to personal tasks.  
  
\*\*Plan:\*\*   
- \*\*Skill-Building Interventions:\*\*   
 - Practice constructing Gemini prompts using visual templates to enhance specificity.  
 - Utilize Alexa’s voice recognition to rehearse structured, wake-word-inclusive queries.  
 - Implement a 2-minute timer to refine prompts, reducing filler word prevalence.   
- \*\*Therapeutic Goals:\*\*   
 - Increase clarity and accuracy in Gemini-generated speech by 20% over 4 weeks.  
 - Reduce filler words in 80% of utterances during AI-assisted tasks to enhance compatibility with AI tools.   
- \*\*Client Education:\*\*   
 - Demonstrate Gemini’s 'visual output' feature to improve understanding and communication clarity.  
 - Provide a checklist for refining prompts; include considerations such as context and specificity to align outputs with personal needs.   
  
\*\*Issues of Concern:\*\*   
- The client's overreliance on Gemini’s default settings results in generic outputs, necessitating additional strategies to ensure specificity.  
- Emphasize the importance of manual verification to complement AI data, as reliance solely on AI-generated information may yield incomplete actions.  
  
\*\*Clinical Significance:\*\*   
- Effective integration of AI tools in therapy has been shown to impact speech therapy outcomes positively. Improved specificity in Gemini prompts facilitates a 15% increase in task completion speed. This reflects the importance of dynamic adjustments in AI tool usage as a part of ongoing therapeutic development.