Final Assignment - AI Application

Come up with a unique problem that you'd like to solve using AI prompt engineering and problem formulation strategies. Pick something specific and important to you. Make it fun! Here are some examples:

- "I want to create a personalized meal plan that accommodates my dietary restrictions and fitness goals."

- "I want to create a D&D campaign that is balanced, engaging, and includes custom quests for my friends."

- "I want to develop a cooking plan that helps me learn and master new recipes from different cuisines each week."

- "I want to build a museum in Minecraft that helps teach actual history or science."

- "I want to start a YouTube channel."

- "I want to develop a coding project that turns my favorite character into an interactive chatbot."

- "I want to organize a book club."

- "I want to develop a schedule that balances my productivity and recreation time."

- "I want to create a budget plan that helps me save for a car."

- "I want to plan a family vacation that accommodates different age groups and interests."

- "I want to organize my digital files and photos in a way that makes them easily accessible and secure."

- "I want to learn a new language in one year."

Try to pick something appropriately challenging. Not so tough that you'll get discouraged, but tough enough that you'll actually learn something and get something valuable out of the project.

Instructions:

1. **Choose Your Problem**: Pick a unique and personal problem to solve. Make sure it's challenging but still achievable.
2. **Formulate Your Problem**: Apply principles of problem formulation. Define your problem clearly and break it down into manageable parts before interacting with AI.
3. **Work with AI**: Use ChatGPT or Gemini (and any other AI model that might be helpful; for example, text-to-image models) to help solve your problem. Incorporate prompt engineering strategies, such as being clear and precise, iterating, providing examples, and using role-based prompting.
4. **Document Your Process**: Take screenshots of your conversations with the AI model, including the prompts you used and the responses you received.
5. **Reflect on Your Experience**: Write a brief reflection on your project. Include:
   - What you hoped to accomplish.
   - Whether you accomplished your goal. (It's okay if you didn't; if you bit off more than you can chew, just send me what you did get done.)
   - Any roadblocks you encountered.
   - What you learned from the experience.

Submission:

- Compile all your screenshots and written reflection.
- Email everything to the tech coach at hayden@neurodevmentoring.com.