Task 1: Prompt Categorization

1. **'Generate a logo for a tech startup using neon colors.'**
    - **Category:** Visual Prompt
    - **Reasoning:** The request is for a visual output (a logo), and it specifies style elements (neon colors). It is not asking for text explanation but rather an image-based design.
2. **'Explain blockchain to a 5-year-old.'**
    - **Category:** Instructional Prompt
    - **Reasoning:** This is an educational/instructional task that requires simplifying a complex concept (blockchain) for a child audience. The focus is on explanation, not visuals.
3. **'You are a UX designer. Suggest improvements to this app layout.'**
    - **Category:** Conversational + Instructional Prompt
    - **Reasoning:** It frames a role ("You are a UX designer") and seeks advice/suggestions (instructional guidance). Since it mimics a real-life dialogue with a UX expert, it also has a **conversational** aspect.

Task 2: Refinement Practice

Here we take vague prompts and refine them for clarity and effectiveness.

1. **Original:** “Make a video.”
    - **Refined:** “Create a 20-second animated video showing a rocket launching into space, with countdown audio and dramatic background music.”
2. **Original:** “Write a story.”
    - **Refined:** “Write a 300-word short story about a time traveler who accidentally lands in the future where AI controls all transportation systems.”

3. **Original:** “Design a website.”

    - **Refined:** “Design a landing page for an online bookstore with a warm color palette, a search bar at the top, featured books section in the middle, and customer reviews at the bottom.”

4. **Original:** “Draw a picture.”

    - **Refined:** “Generate a digital illustration of a futuristic city at night, with flying cars, neon signs, and glowing skyscrapers.”

5. **Original:** “Explain science.”

    - **Refined:** “Explain the process of photosynthesis in simple language for middle-school students, using real-life examples and a short step-by-step explanation.”

Task 3: Prompt Design Exercise

1. **ChatGPT (text-based):**
   “Write a motivational speech for college students preparing for their first hackathon, focusing on teamwork, innovation, and overcoming self-doubt.”

2. **DALL·E (image-based):**
   “Generate a digital painting of a floating island in the sky, with waterfalls falling into the clouds and a small village on top.”

3. **SORA (video-based):**
   “Create a 15-second cinematic video of a desert transforming into a lush green forest, showing raindrops falling, seeds sprouting, and animals returning.”

4. **Coding/Logic:**
   “Write a Python program that takes a list of numbers and outputs both the prime numbers and their sum.”

5. **Education/Training:**
   “Design a 10-question interactive quiz for high school students about renewable energy sources, with multiple-choice answers and instant feedback.”