

Assignment 05: Assignment and practice of AI Image Generator

Task 1: Comparative Research – AI Image Generators

Task: Compare two AI image generators — **DALL·E (by OpenAI)** and **Midjourney**

Example Prompt Used: *"A steampunk city under moonlight with flying airships and glowing lanterns."*

1. Image Quality

- **DALL·E:**

Produces clean, coherent images with a balanced composition. The resolution is good, but fine details may sometimes appear soft or slightly unrealistic in complex prompts.

- **Midjourney:**

Known for stunning visual quality and artistic flair. Outputs are high-resolution, rich in texture, and often resemble professional digital art.

Winner: *Midjourney* — excels in producing visually striking, polished images.

2. Prompt Accuracy

- **DALL·E:**

Interprets prompts with high accuracy, especially for real-world objects and clear descriptions. Handles literal prompts well.

- **Midjourney:**

Creative and expressive, but may interpret prompts more abstractly. Sometimes adds stylistic elements not explicitly requested.

Winner: *DALL·E* — better for literal and factual prompt interpretation.

3. Style Flexibility

DALL·E:

Versatile across different styles (realistic, cartoon, minimal), though results may lean toward a more "neutral" style unless clearly specified.

Midjourney:

Extremely flexible and stylized. Easily generates artwork in surreal, fantasy, steampunk, cyberpunk, and painterly styles with rich aesthetics.

Winner: *Midjourney* — offers a wide range of artistic styles and creative output.

4. Usability

- **DALL·E:**
User-friendly interface (available via ChatGPT or Bing). Simple to use with drag-and-drop or text prompt. No installation needed.
- **Midjourney:**
Runs via Discord, which may be confusing for beginners. Requires understanding of Discord commands and queues.

Winner: *DALL·E* — easier to access and use, especially for beginners.

5. Licensing & Terms

- **DALL·E:**
Allows users to use, modify, and commercially exploit images. OpenAI owns the model, but grants full rights to users for their creations.
- **Midjourney:**
Paid users get commercial rights. Free users must credit Midjourney and cannot use images commercially. Images are often public by default.

Winner: *DALL·E* — more open and flexible licensing for all users.

Conclusion

Feature	Winner
Image Quality	Midjourney
Prompt Accuracy	DALL·E
Style Flexibility	Midjourney
Usability	DALL·E
Licensing & Terms	DALL·E



IMAGE GENERATED WITH DALL-E



IMAGE GENERATED WITH MIDJOURNEY

Task 2: Visual Design Project

Chosen topic - Create a poster for a fictional event or product



Practice Activity (If No Direct Access)

If I do not have access to Midjourney or paid AI tools, I can still complete my visual design tasks by using free or available alternatives. For example:

- I can use **DALL·E in ChatGPT** to generate creative visuals, illustrations, or posters based on prompts I write.
- I can also use **Canva AI tools**, which allow me to create posters, presentations, and graphics with built-in AI design assistance.
- After generating visuals, I can **take screenshots or download the images** to save them for my project.
- These images can then be used to **simulate a story, poster, or presentation**, depending on the assignment's requirements.