## **Assignment 5**

## **Task 1:**

## **AI Image Generator Comparative Research DALL·E vs. Midjourney**

### **Example Prompt**

*"A steampunk city under moonlight with flying airships and glowing lanterns."*

### **1. Image Quality**

| **Feature** | **DALL·E (OpenAI)** | **Midjourney** |
| --- | --- | --- |
| **Details** | High-quality images with accurate object rendering | Exceptionally artistic and high-resolution visuals |
| **Strengths** | Great at realistic or semi-realistic images | Superior in artistic, dreamlike, and imaginative scenes |
| **Weaknesses** | Occasionally lacks fine artistic detail | May over-stylize or exaggerate elements |

### **2. Prompt Accuracy**

| **Feature** | **DALL·E** | **Midjourney** |
| --- | --- | --- |
| **Interpretation** | Interprets prompts logically and precisely | Sometimes prioritizes aesthetics over prompt logic |
| **Control** | Offers tools like inpainting/editing for refinements | Less control; results vary based on artistic choices |

### **3. Style Flexibility**

| **Feature** | **DALL·E** | **Midjourney** |
| --- | --- | --- |
| **Range** | Good range (realism, cartoons, sketches, etc.) | Very wide range with strong artistic bias |
| **Customization** | Accepts styles (e.g., "in Van Gogh style") | Extremely strong stylization and visual coherence |

### **4. Usability**

| **Feature** | **DALL·E** | **Midjourney** |
| --- | --- | --- |
| **Access** | Web-based via ChatGPT or OpenAI site | Access via Discord server (text-based commands) |
| **Ease of Use** | Simple UI, drag-and-drop, inpainting available | Requires learning command formats on Discord |

### **5. Licensing & Terms**

| **Feature** | **DALL·E** | **Midjourney** |
| --- | --- | --- |
| **Ownership** | Users can use and sell generated images | Users retain rights, but subject to subscription level |
| **Use Cases** | Suitable for commercial use under fair terms | Commercial use allowed (with Pro plans); restrictions apply |
| **Limitations** | No explicit content; moderation in place | Artistic freedom, but moderation policies exist |

* Use **DALL·E** for **prompt control**, **realistic images**, and **easy access**.
* Choose **Midjourney** for **artistic, high-impact visuals** and **style diversity**.

## **Task 2:**

Generate concept art for an educational topic

