Locus.ai

Atilla Çolak

March 24, 2023

1 Introduction

Locus.ai is a web application for everyone, from an aspiring artist or an author who seeks inspiration to a game master in a good old RPG game. Locus.ai utilizes OpenAI GPT-3 and StableDiffusion. All you have to do to get started is to input a story. Locus.ai will return a list of concept images for your story. One of these images could be a character in that story or a scene. The limit is your imagination and what story you provide. No data is collected from your story either, so you can use it with peace of mind.

2 Issues

In the current version, Locus.ai might instantly return the message "There are no images to display" "... Try again...". This is because after some time spent idle, the StableDiffusion model needs to be loaded. So if you encounter this problem, re-running your story once or twice should give you a proper result.

3 Methodology

Below you can find the preset queries we used for getting our results.

1. Gpt-3:

   (a) Please generate a detailed list of all the objects, scenes, and persons mentioned in the following story. Your list should include specific descriptions of each item, and each item should be separated with a dash (-) for clarity. The story is provided as user input in here, Please use your knowledge and creativity to provide a comprehensive and engaging list: *"user story input"*

2. Stable Diffusion prompts:

   (a) Design Style is D&D: mdjrny-v4 style, A photorealistic concept art like a dungeons and dragons *"object/scene from story"*. d&d, highly detailed, detailed fantasy, cinematic, realistic, full body, face included, detailed face, character design, cinematic character concept comic book cover, high fantasy, by rutkowski by William O'Connor, Larry Elmore, Justin Gerrard, trending art, Trending on Artstation.

   (b) Design Style is comic: mdjrny-v4 style, retro comic style artwork, highly detailed *"object/scene from story"*, comic book, symmetrical, vibrant, comic book cover, peter mohrbacher.

   (c) Design Style is 3D Art: mdjrny-v4 style, cute little something like a *"object/scene from story"*, smooth lighting, soft smooth pastel colors. ultra detailed, depth of field, vibrant details, hyperrealistic, unreal engine, unreal 5, daz, high quality, 8k, pop surrealism, modern disney style, pixar style, square image.

   (d) Design Style is Hyperrealistic: display *"object/scene from story"* with perfect composition, hyperrealistic, high quality, mdjrny-v4 style,insanely detailed and intricate, octane render, unreal engine, 8k, by greg rutkowski and Peter Mohrbacher and magali Villeneuve, trending art, trending on artstation, sharp focus.