**Flux AI Image Generator.txt**

What does this do?

* **User Interaction:** A web form lets users input a custom prompt (e.g., “Prompt to flux”) and choose an artistic style from a dropdown menu (options like Hyper-Surreal Escape, Neon Fauvism, etc.).
* **Set Up Style Prompts:** Depending on the user’s style choice, dedicated nodes prepare a detailed style prompt filled with creative keywords and rendering details.
* **Route by Style:** A switch node directs the workflow to the correct style prompt based on the user’s selection.
* **Call the Inference API:** The combined user prompt and style prompt are sent to a Hugging Face inference API (using models like FLUX.1-schnell) to generate an image.
* **Upload the Image:** Once generated, the image is uploaded to an S3-compatible storage (Cloudflare R2) for hosting.
* **Serve a Webpage:** The workflow then responds by serving a styled webpage that displays the generated image, the style used, and even thumbnails of recent renders.
* **Error Handling:** If the image generation fails (which might happen about 10% of the time), it responds with a friendly error message prompting the user to refresh and try again.