

# Goal

Build a small web app that generates a **set of 4 icons** that share a **consistent style** (e.g., “Pastels”, “Bubbles”, etc.) from a **single prompt**. Optionally accept brand colors to steer the palette.

## Inputs

1. “Prompt for Icon Set” (example: “Toys”)
2. “Preset Style” (select one)
3. (Optional) Color inputs

Preset Styles: Use these 5 styles for your presets:



Style 1



Style 2



Style 3



Style 4



Style 5

## Output

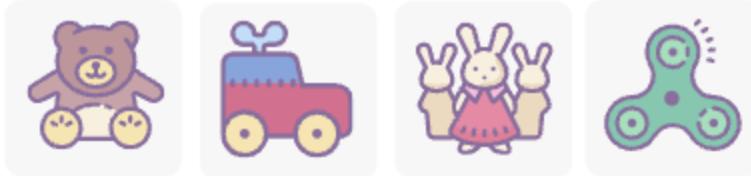
1. A grid of 4 **different** 512x512 PNGs - no repeated icons
2. Matching visual style and themed to the prompt - refer to the presets above
3. Downloadable PNGs/JPGs
4. Optional: Apply HEX color codes

## Example

*Input prompt: “Toys” Style: 1/2*

*Output: 4 different icons with toy related visuals, all in the same style (teddy bear, toy car, bunnies, fidget toy)*

*EXAMPLE Style: Style 1*



*EXAMPLE Style: 2*



## Image Generation API:

Use the [Replicate API](#) to access image generation models.

Please use this image generation mode: <https://replicate.com/black-forest-labs/flux-schnell>

Your API Token: r8\_YLJxtkLyiCXvdTQBfXvv9z4eSTnHMu52iz4eo

Do NOT use any other image generation model.

You may use **Node.js + React with TypeScript or JavaScript**.

You may use any other LLM APIs (chatGPT, Claude, Gemini) for related processing.

Please be mindful of the API token usage as they all incur a cost.

## Submission

Deploy somewhere and submit the URL to mia@venngage.com.

Do not spend more than 4 hours on this assignment.

## What we're evaluating

- Product outputs: coherent UX for prompt → consistent set of icons
- Code quality: modularity, tests, error handling
- API integration and reliability
- Consistency controls for the styles, palette control.