

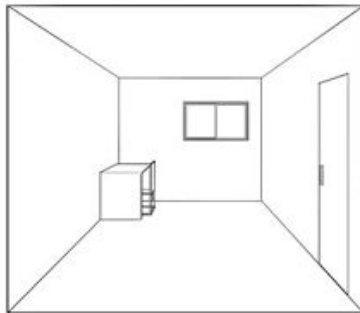
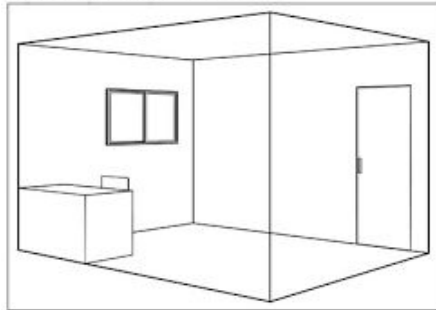
Reality Transformer Proposal

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1. Introduction

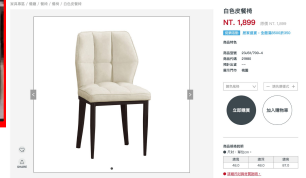
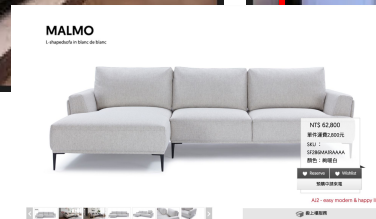
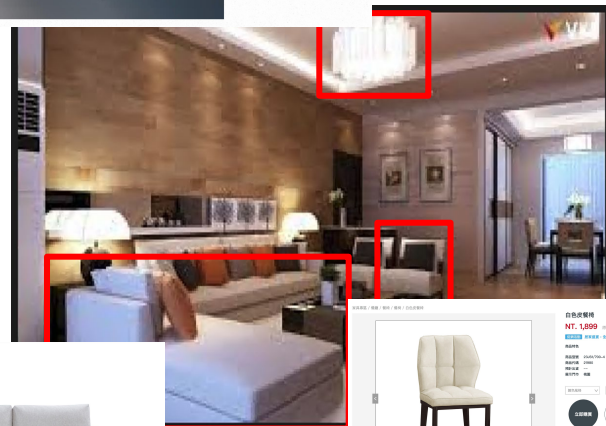
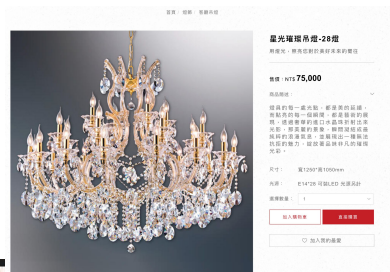
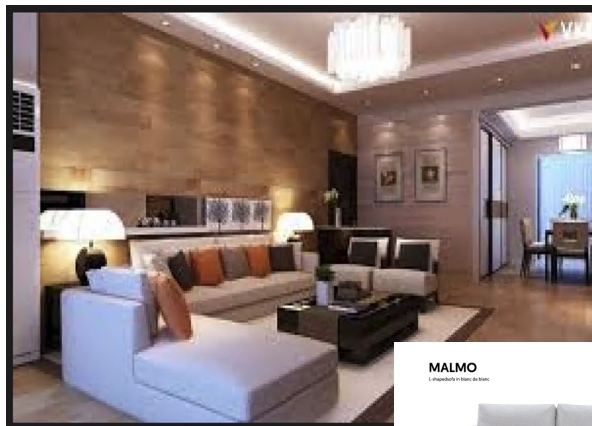
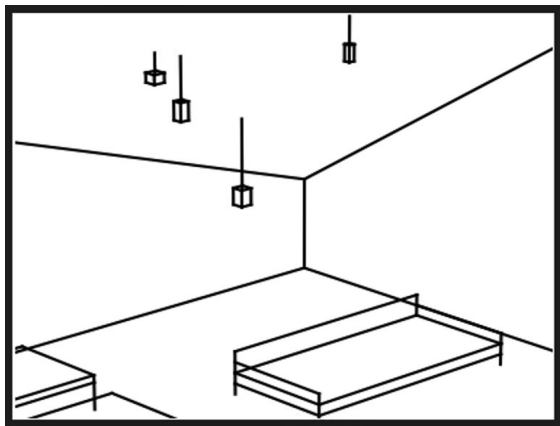
Original Target

- Use CycleGAN to convert sketch to rendered image

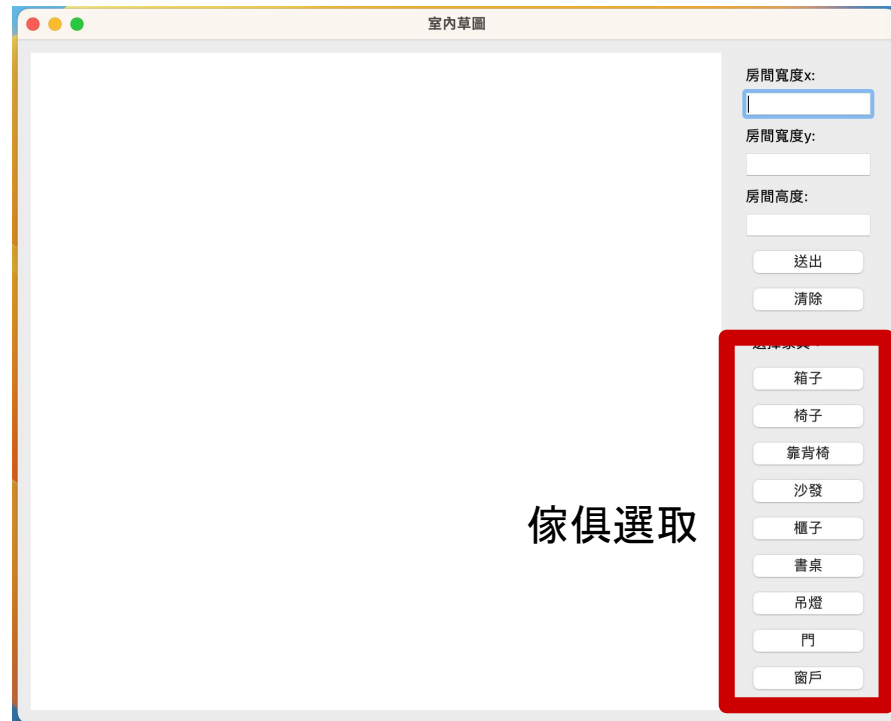
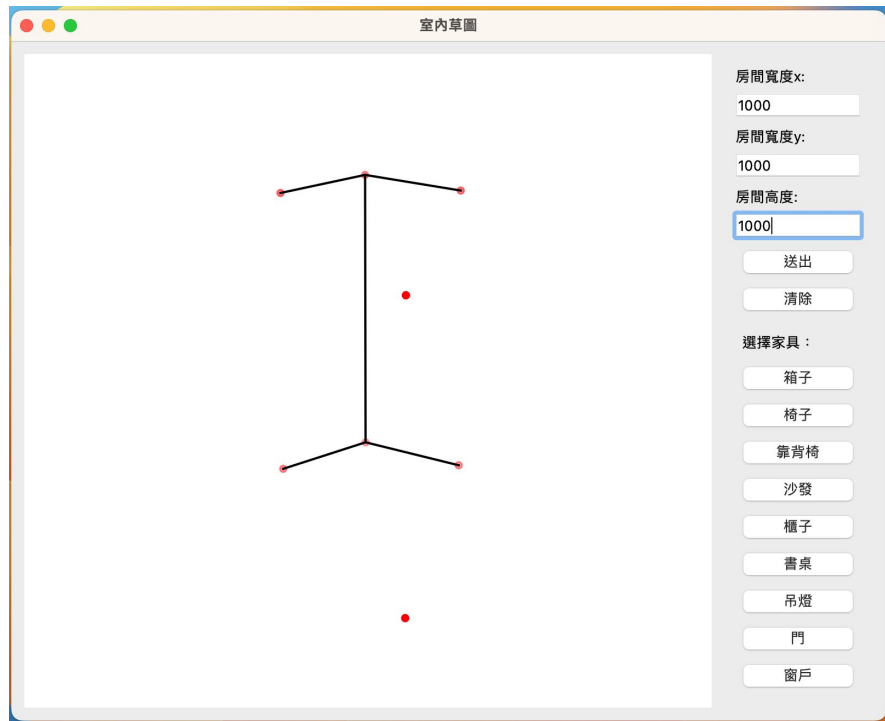


Modified Target

- Sketch → Render → Market



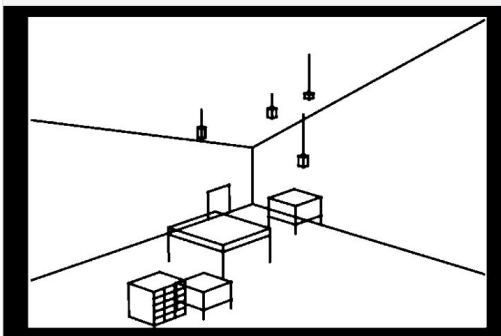
GUI



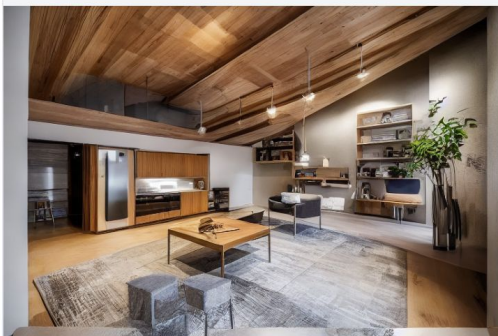
2. Methodology and Preliminary Results

ControlNet

- Stable-diffusion based image generator



Input image



Nortic style



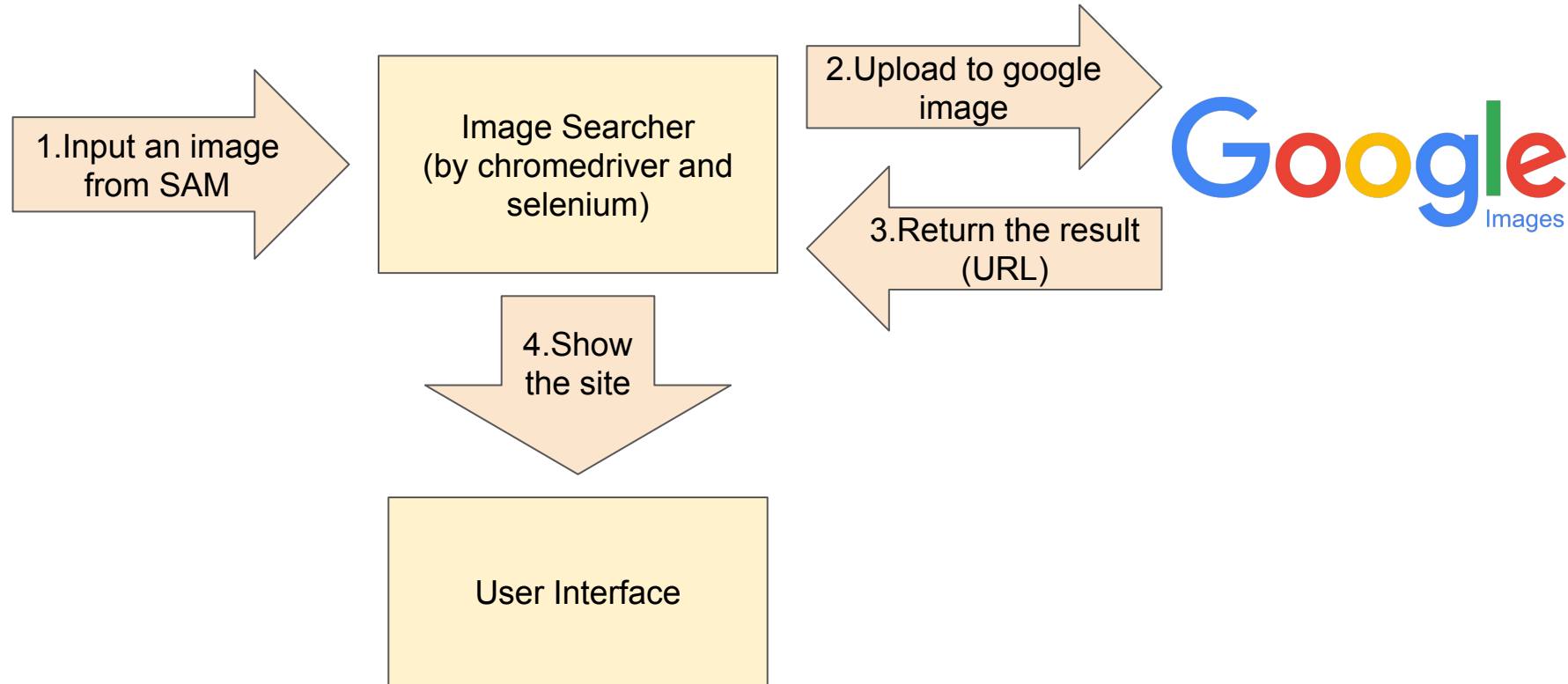
Japanese style

Segment Anything Model (SAM)

- Powerful tool to segment foreground objects



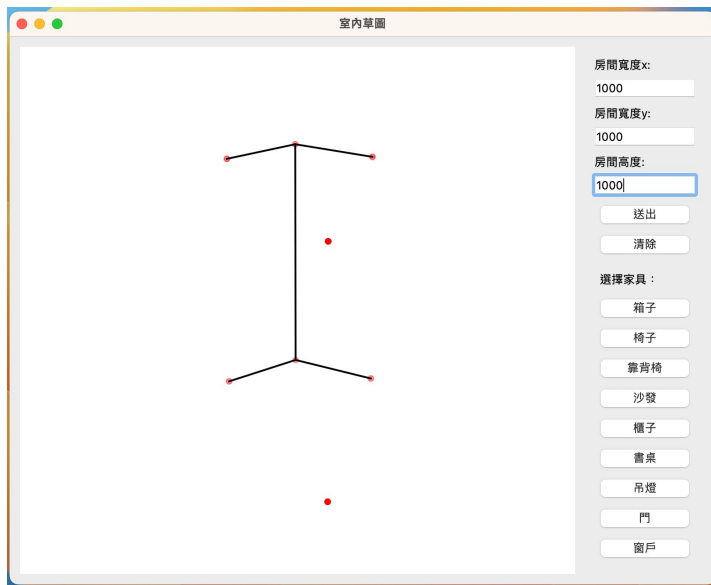
Google Search By Image



3. Future Works

User GUI

- Python pyqt
- GUI connect with ControlNet



SAM

- SAM is so strong that it segments a chair into several elements

→ Adjust SAM parameters and work on a mechanism to unite neighboring segment



Thanks for your attention!