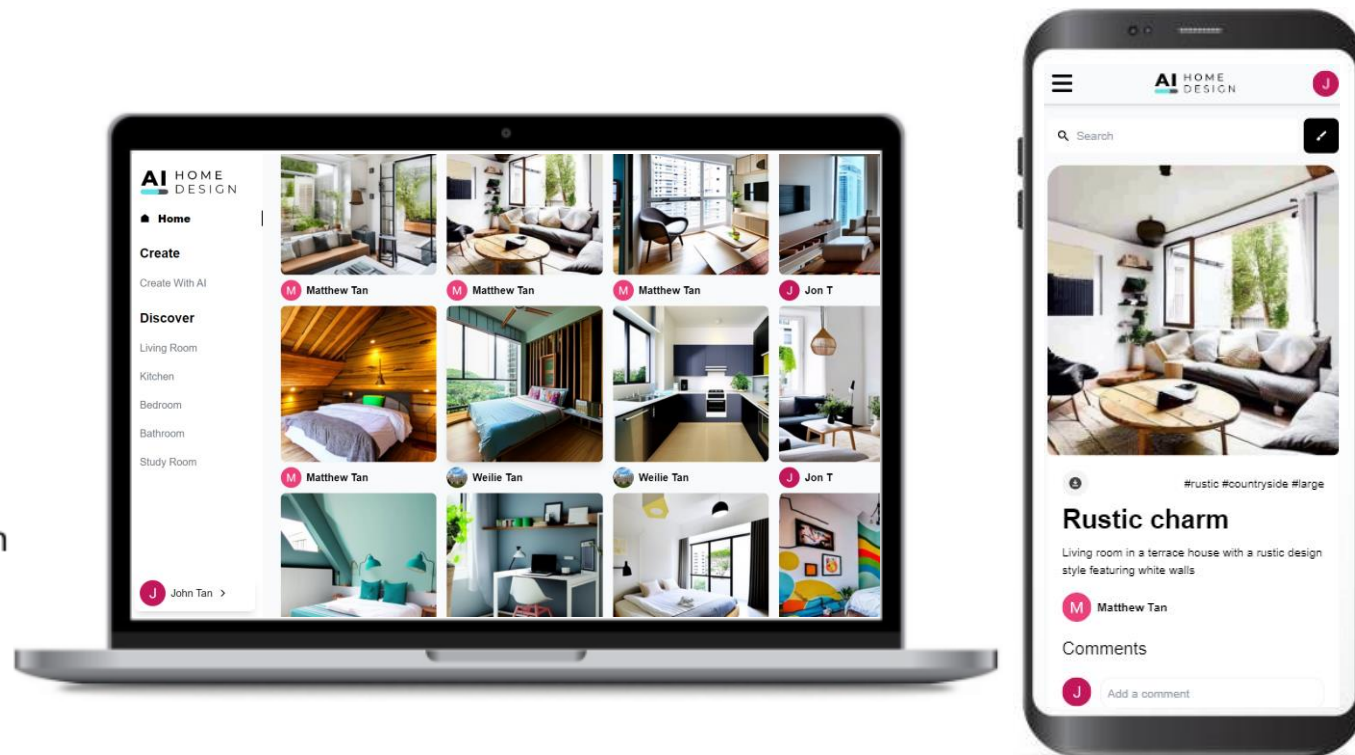


AI HOME DESIGN

Envision your dream home with
generative AI.



Today, the home renovation journey is painful and complex.

Design ideation

Contracting a designer

Discussion

Iterating different style

Execution of idea

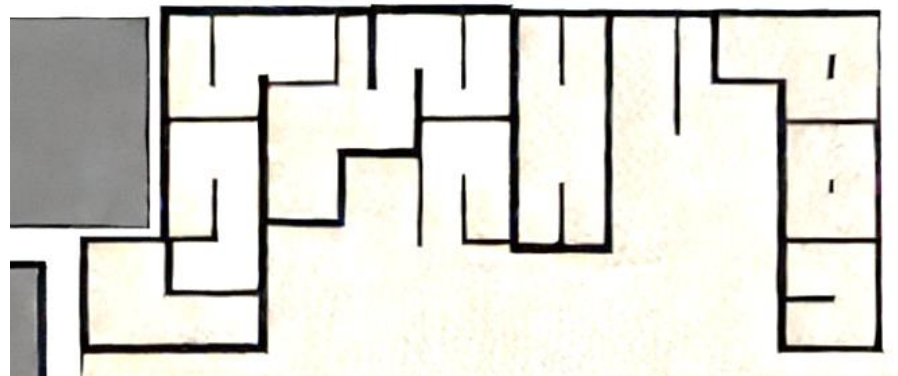
You just can't think of any ideas.



The interior designer you hired just doesn't get what you want...and the home is poorly designed.



You have a better idea, but can't iterate as the space is already fixed.

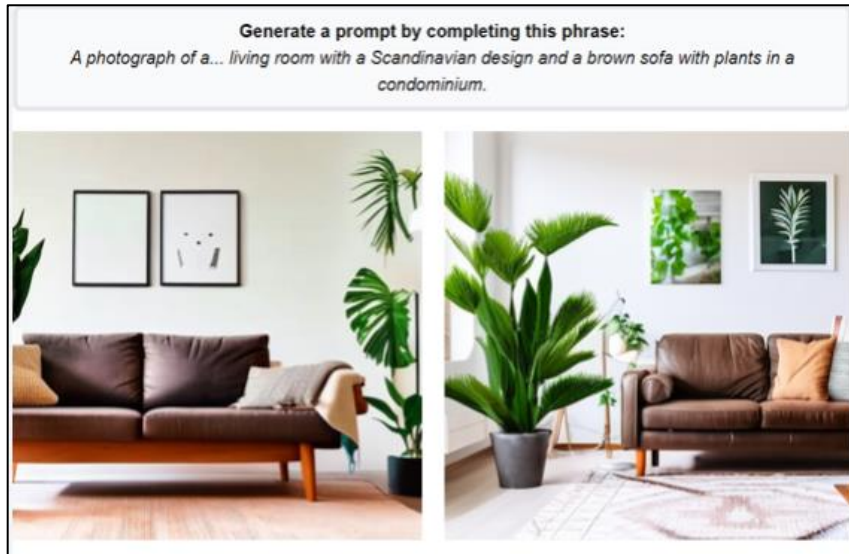


Even if you settled on a design you want, how do you execute it?

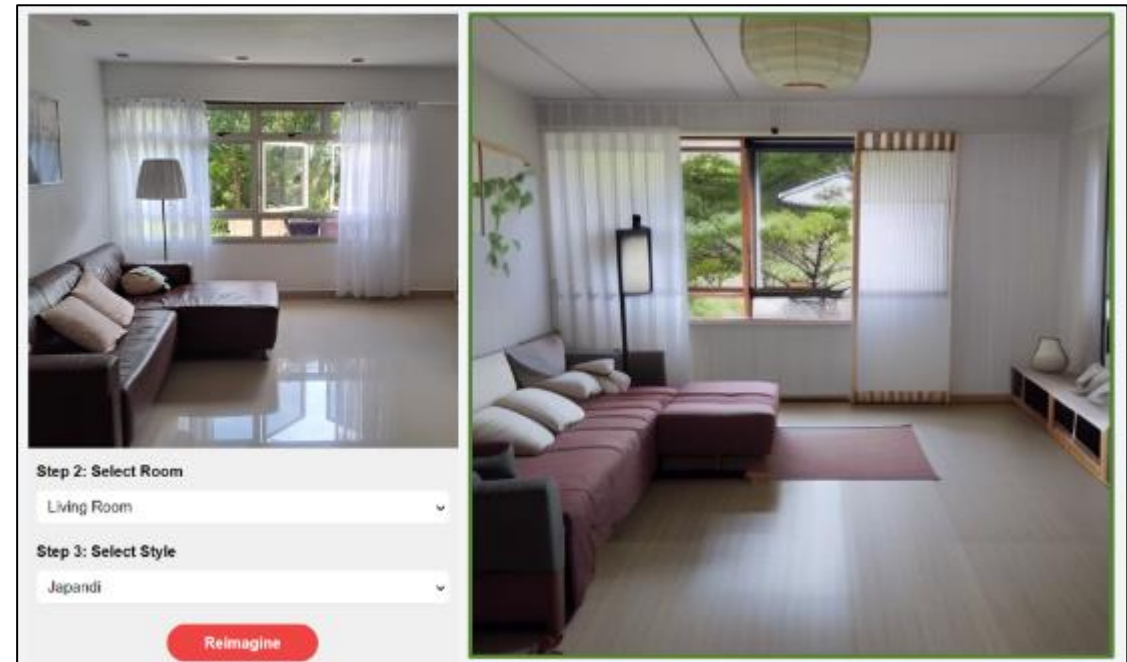


AI Home Design eases that pain.

A tool that lets users *ideate with Stable Diffusion*, share their creations in a *community platform*, and *identify furniture to purchase using YOLOv5*.



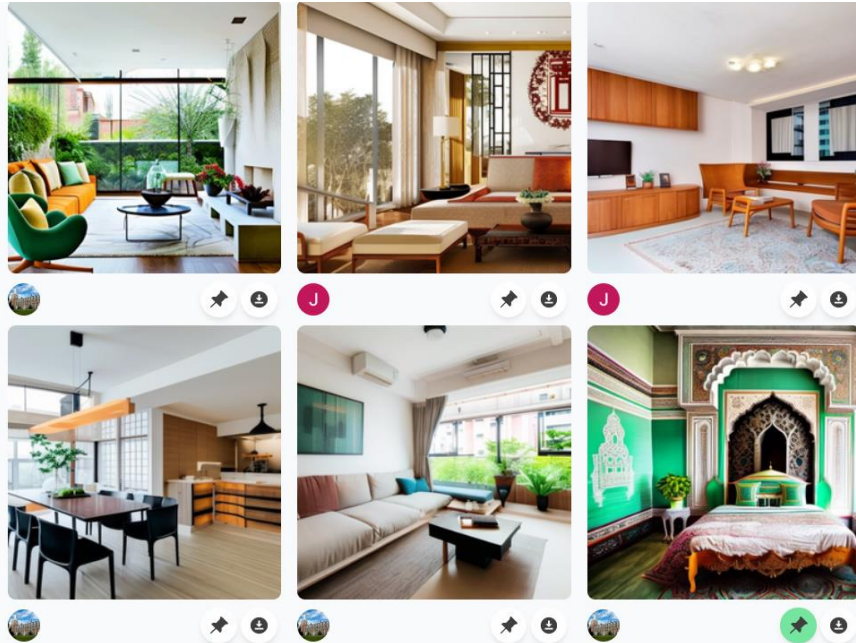
Design with Stable Diffusion
text-to-image.



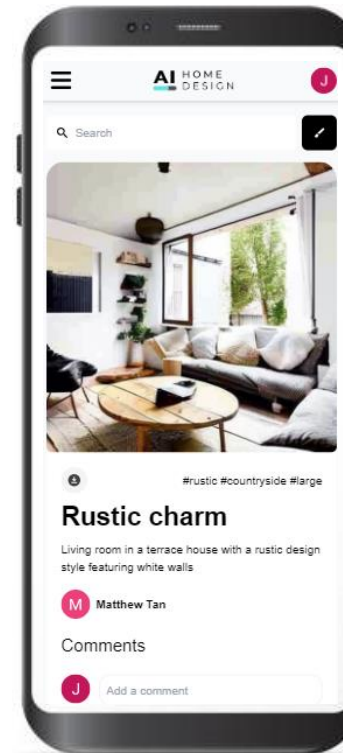
Reimagine with Stable Diffusion image-to-image.

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Share ideas with others



Never be tongue-tied in your discussions again – just show the picture!

AI Home Design eases that pain.

A tool that lets users *ideate with Stable Diffusion*, share their creations in a *community platform*, and *identify furniture to purchase using YOLOv5*.



Recreate this look

Using AI object recognition, you can identify products similar to those in this picture. You can then shop for these items.

Trigger AI object recognition

vase

bowl

couch

potted plant

Items



Use YOLO to recognise items in the Stable Diffusion generated picture. Get outbound links to shop for them.

Why is AI Home Design different from other generative AI interior apps out there?



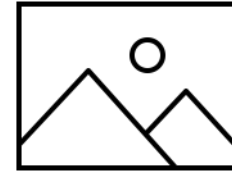
Integrated problem solver

Addresses multiple pain points along the **whole homeowner user journey**, and not just single-use-case potshots. New modules can be added as new pain points are uncovered.



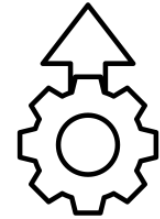
Collaborative approach in use of AI

This app's starting point is not how to replace designers, but how can I **better connect homeowners to designers, merchants,** etc. This makes it B2B collaboration friendly.



Every image an asset

Because of its social platform nature, every image becomes **increased surface area for monetization.** Consider this: **all users** can buy items from **all images.** This increases exponentially with the image count.



Promising upgrades

New upgrades will involve a cocktail of models e.g. Segment Anything, YOLOv8 for **more diverse and creative use cases** (see next slide)

Sneak peek into upcoming features...

- An educational bot teaching tenets of design to homeowners (ChatGPT)
- Inpainting to change colours/items – and even allowing others to suggest such changes to your images! (CLIP/Stable Diffusion)
- Conversational aide to reduce misunderstandings between homeowners and home décor professionals (ChatGPT)
- Recommendations to other types of merchants (traditional ML classifiers)
- Or, you (the Lablab.AI community) could have a hand in shaping this – do raise your suggestions to me 😊

NOTE:

If I am fortunate enough to win, I hope to channel some of the winnings/potential monetization from my app to support home-based retrofitting for individuals with physical or movement disabilities. Do let me know if you are aware of any such charities.

Thanks!