Ideation and collaboration between humans, more humans, and Al

Alex Lobos
Director
School of Design

Agenda

Learning ideas

Design process

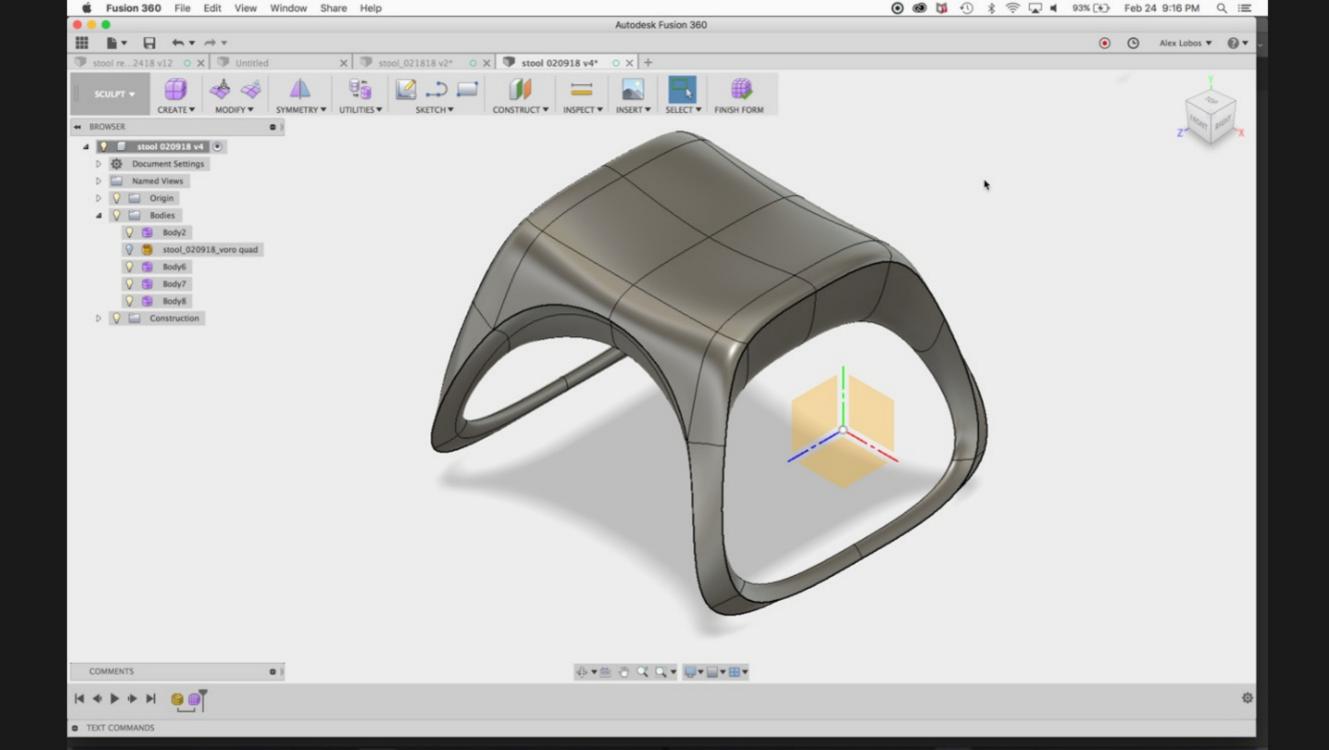
Collaboration H2H > Miro

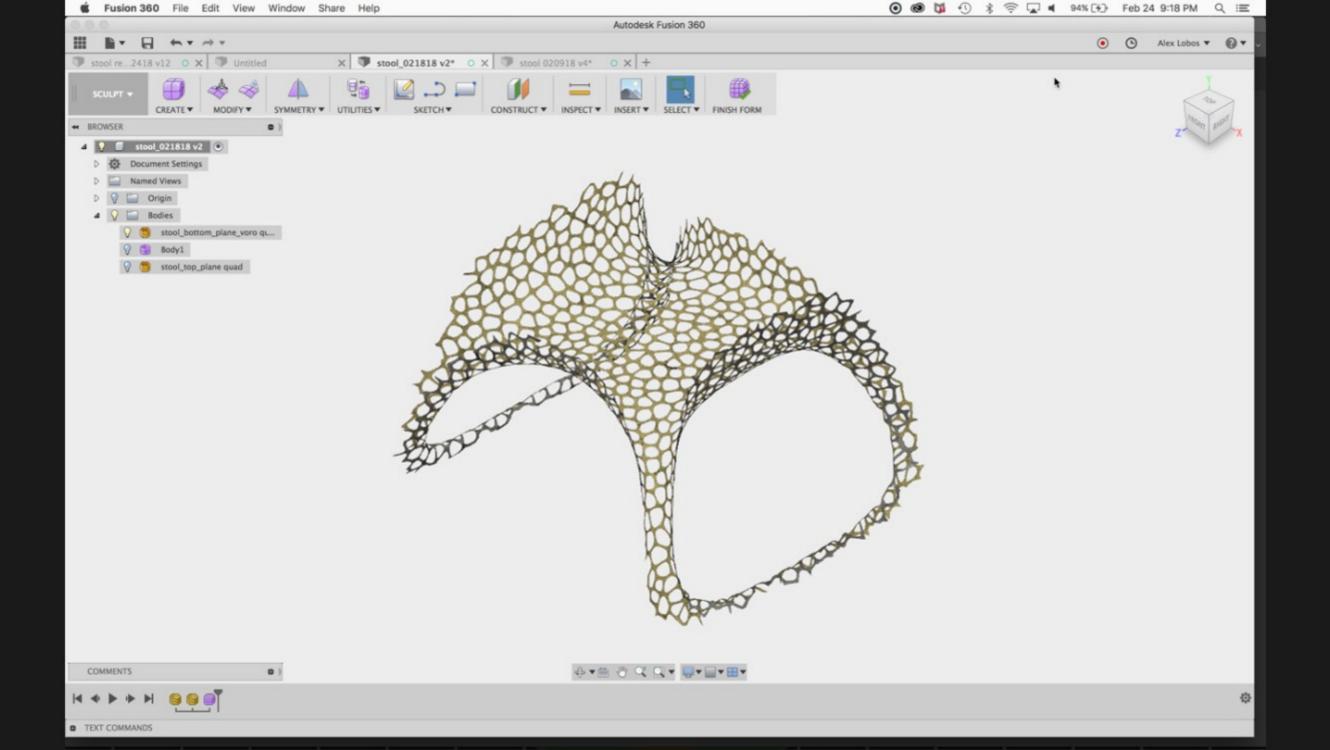
Collaboration H2AI > ChatGPT & Vizcom

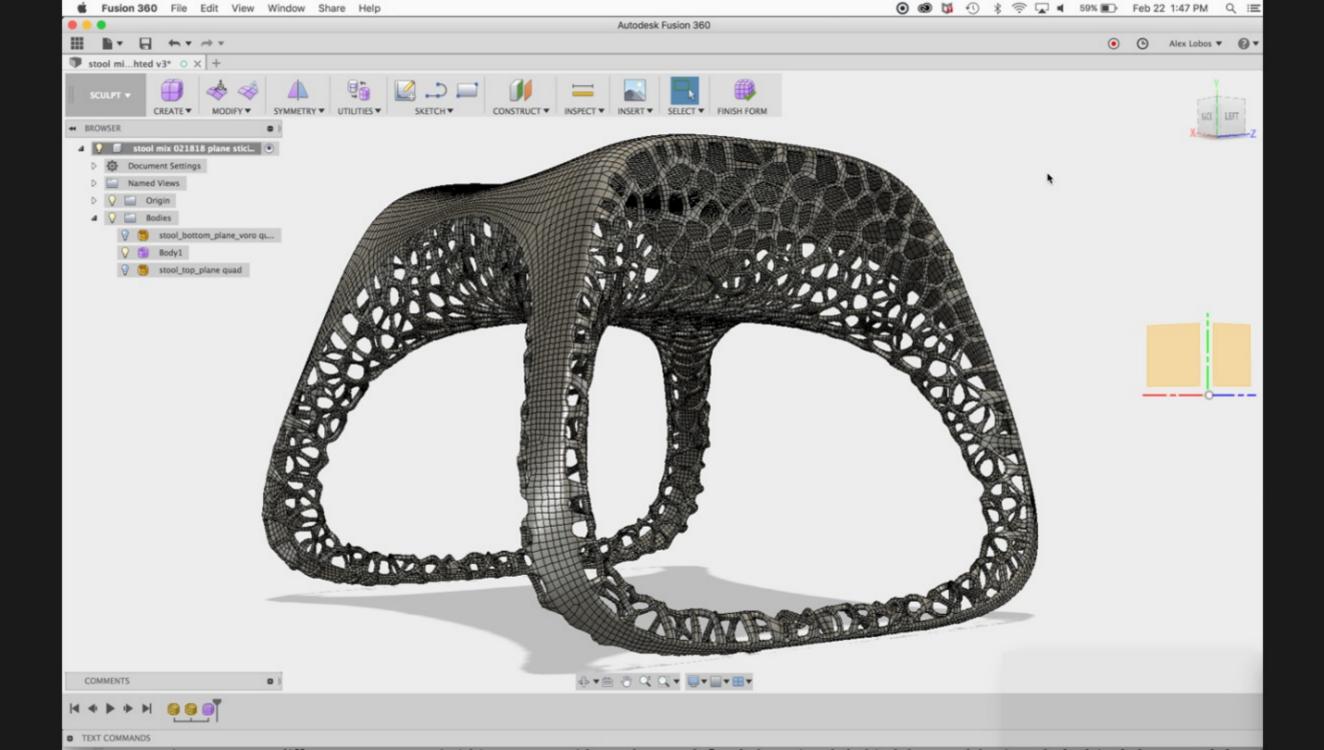
Discussion











Going beyond Automation

Handling tedious and complex tasks is just the beginning



Think of Al as a Collaborator

Both provide ideas and complementary skills



Two Key Concerns

Two Key Concerns



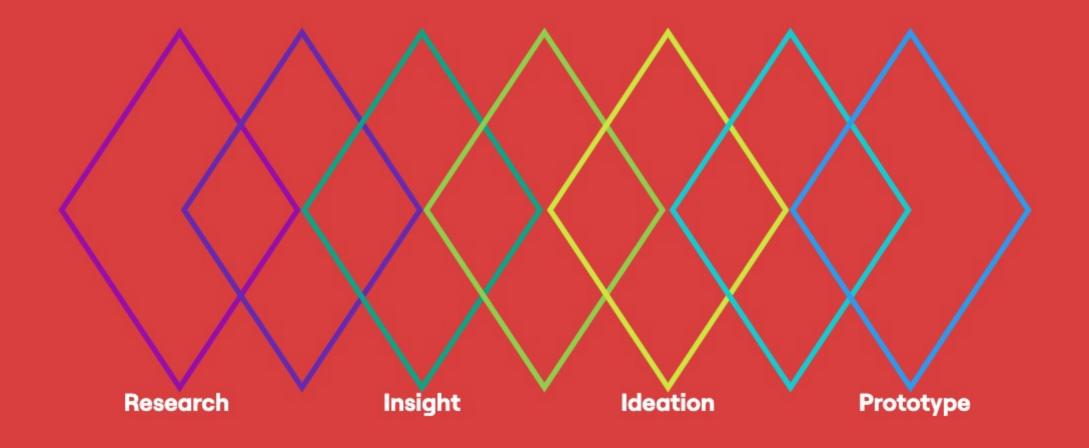
Ownership

Two Key Concerns



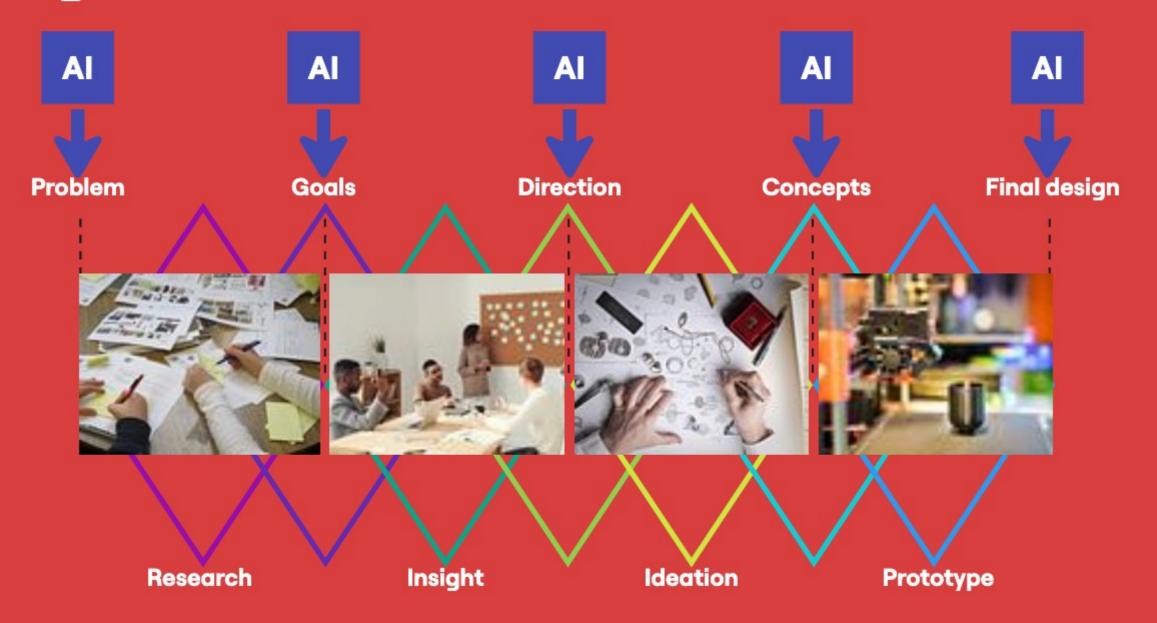
Creativity

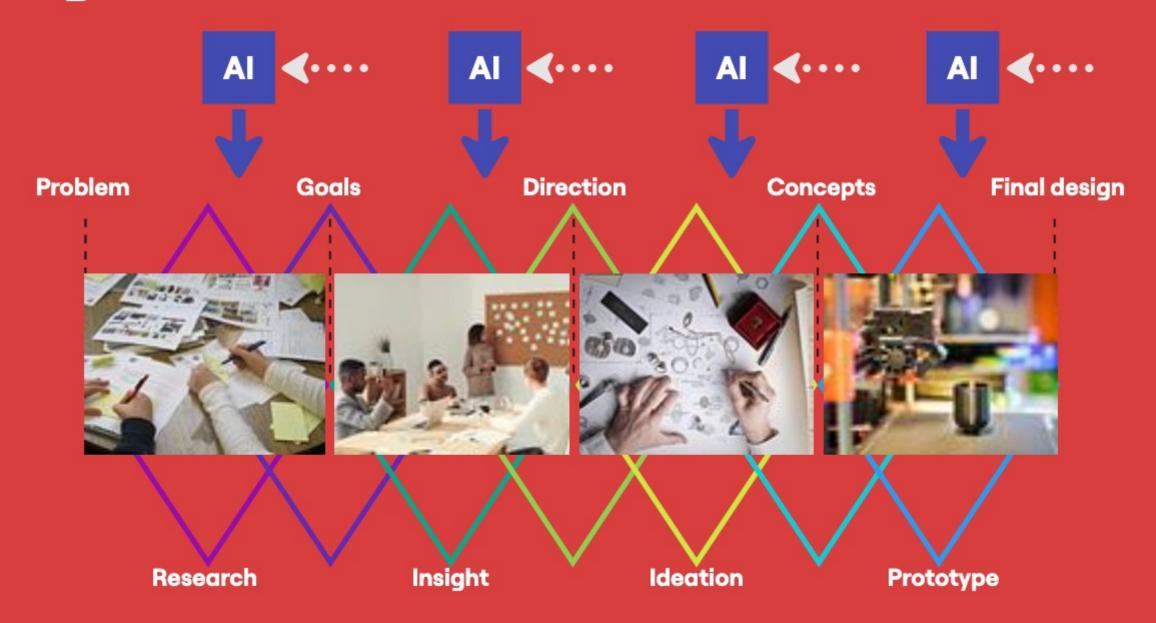
Al's role in the design process











H2H



H2AI



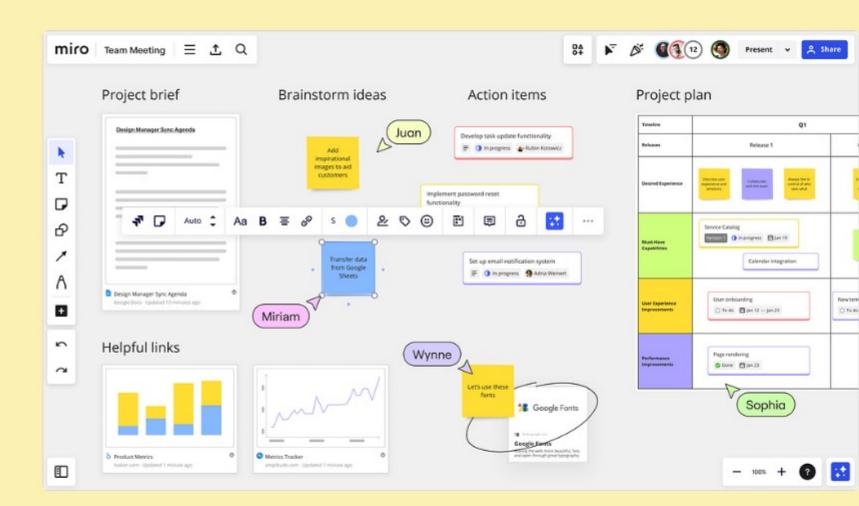


Collaboration H2H

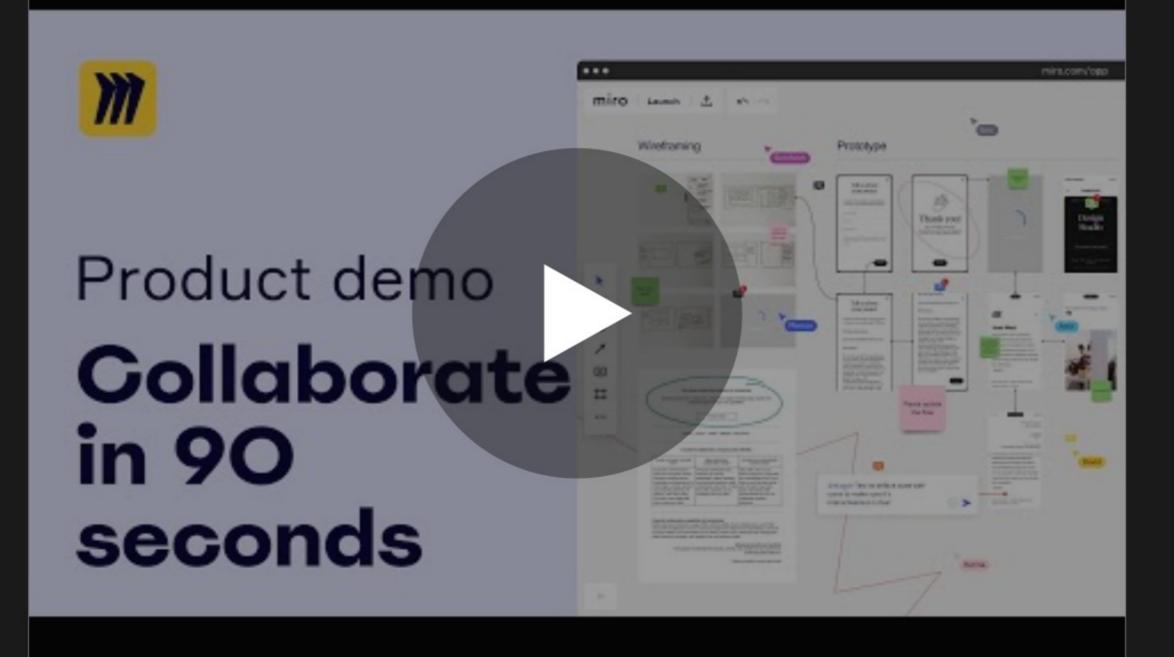


What is Miro?

Whiteboard app Real-time Collaborative



https://youtu.be/5sPM5dmudHk



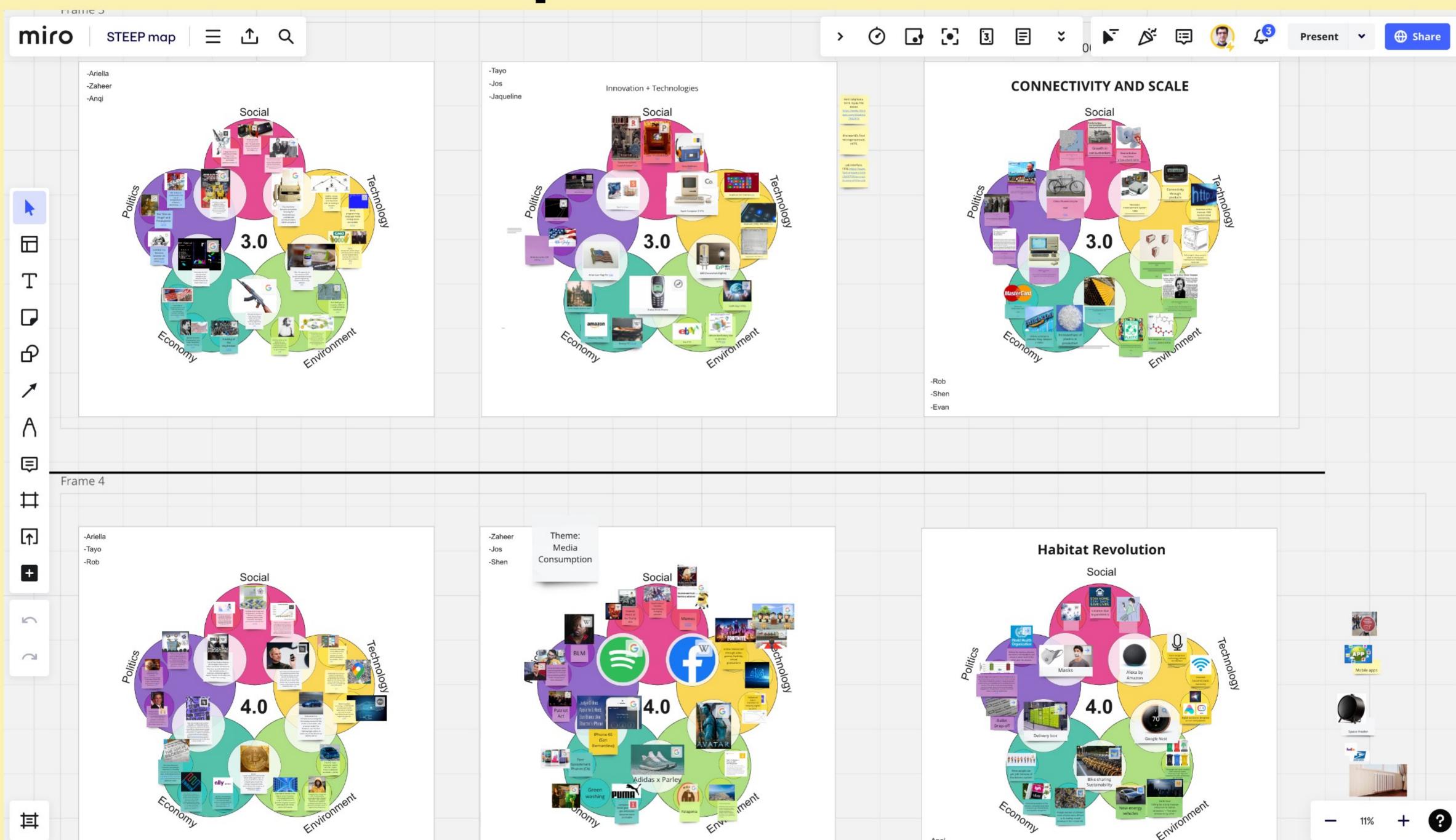
Go to the MIRO board

t.ly/HcRpM

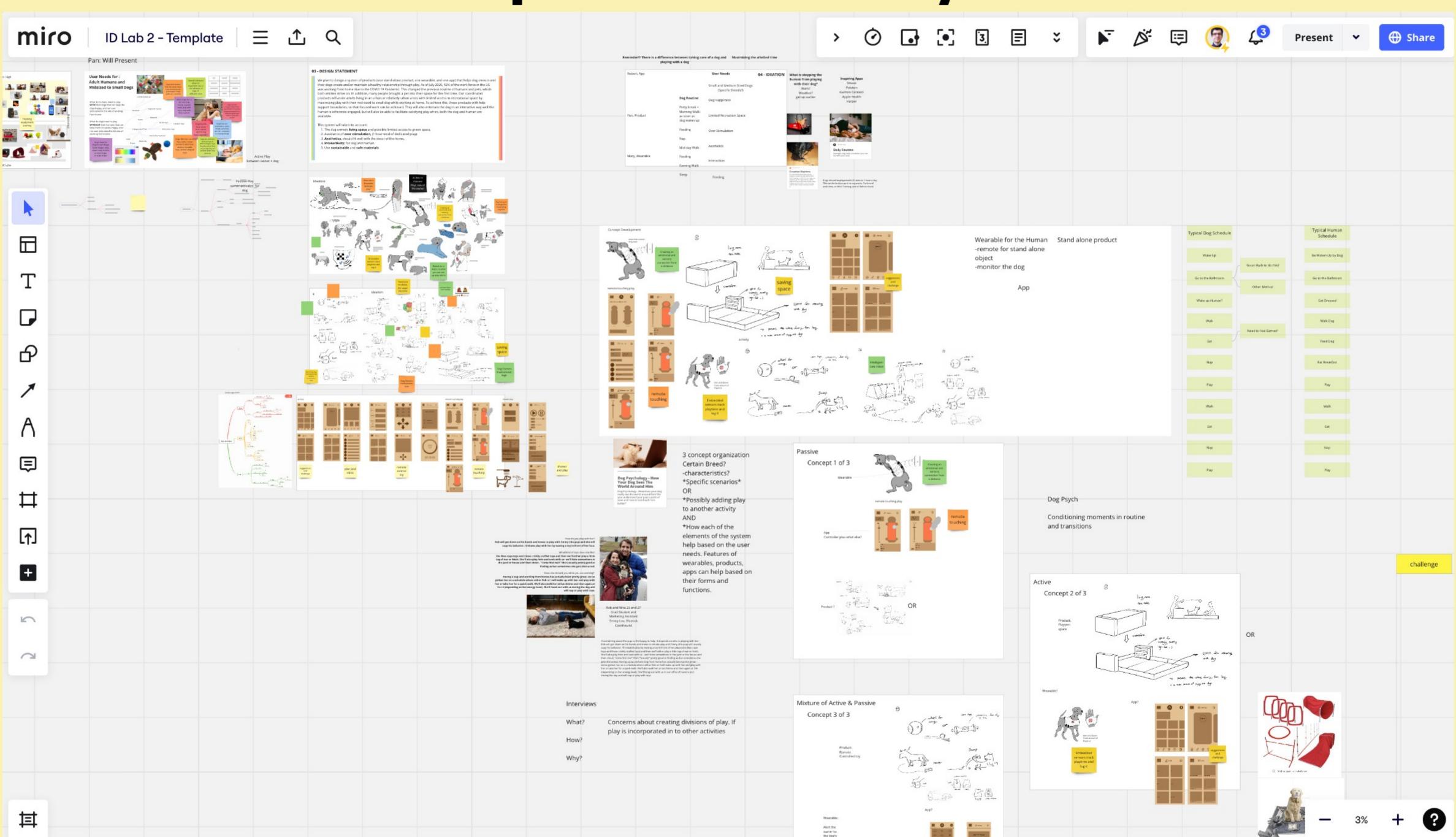




Example: Futures Wheel



Example: Pet care system

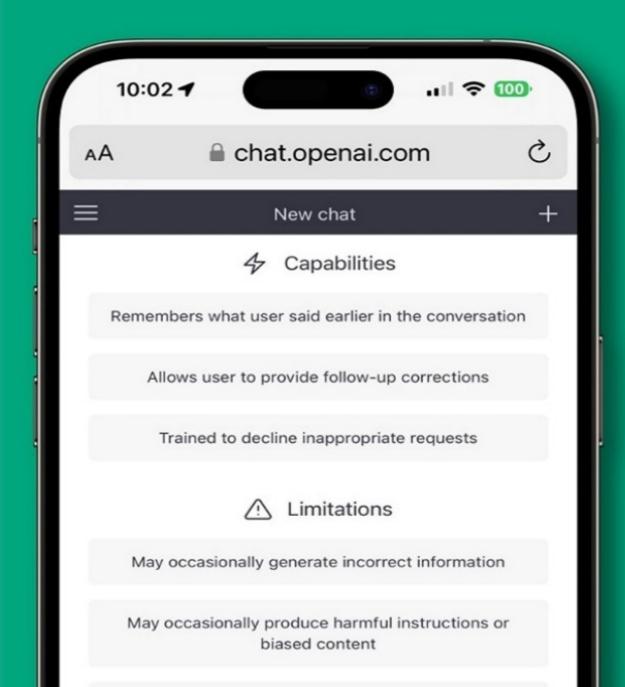


Collaboration H2Al



What is ChatGPT?

Large Language Models Conversational API



Let's design a coffee maker

Five Whys

Why do you exercise?

Because it's healthy

Why is it healthy?

Because it raises my heart rate

Why is that important?

So that I burn more calories

Why do you want to do that?

To lose weight

Why are you trying to lose weight?

I feel social pressure to look fit



Who are the **most common buyers of coffee makers**?



The most common buyers of coffee makers vary depending on the type of coffee maker and the market, but generally include:

- Home Consumers: Individuals looking to make coffee at home for personal consumption.
- Office Settings: Offices, workplaces, and businesses looking to provide coffee for employees and visitors.
- Cafes and Restaurants: Establishments that serve coffee as part of their menu.
- Hotels and Hospitality: Hotels, bed and breakfasts, and other lodging establishments that offer coffee to guests.
- Retailers and Resellers: Stores that sell coffee makers to consumers, such as department stores, home goods stores, and online retailers.
- Corporate and Bulk Buyers: Companies or individuals purchasing coffee makers in bulk for gifting, events, or resale.
- Coffee Enthusiasts and Collectors: People who collect different types of coffee makers or are passionate about specialty coffee brewing methods.



Who are the most common **home consumers** that buy coffee makers?



The most common home consumers of coffee makers include:

- Coffee Enthusiasts: People who are passionate about coffee and enjoy exploring different brewing methods and coffee flavors.
- Busy Professionals: Individuals who need a quick and convenient way to make coffee at home before heading to work.
- Families: Households with multiple coffee drinkers who prefer to make coffee at home instead of buying it from cafes or coffee shops.
- Students: College students and young adults who want an affordable way to make coffee in their dorm rooms or apartments.
- Home Office Workers: People who work from home and prefer the convenience of having a coffee maker nearby.
- Health Conscious Consumers: Individuals who prefer to make their own coffee at home to control the ingredients and avoid added sugars and artificial flavors.
- Budget-Conscious Consumers: People who want to save money by making their own coffee instead of buying it from coffee shops regularly.



What are the most common **characteristics of coffee enthusiasts** that buy coffee makers?



Coffee enthusiasts who buy coffee makers often share several characteristics:

- Passion for Coffee: They have a deep love for coffee and enjoy exploring different types of coffee beans, roasts, and brewing methods.
- Knowledgeable: They are well-informed about coffee, including its origins, flavors, and brewing techniques.
- 3. **Seeking Quality:** They prioritize quality in their coffee and are willing to invest in equipment that helps them achieve the best possible brew.
- Experimental: They are open to trying new brewing methods, coffee beans, and flavor profiles to expand their coffee experience.
- Engaged in the Coffee Community: They may be active members of the coffee community, participating in forums, attending coffee-related events, or following coffee influencers.
- Invested in Equipment: They are willing to spend money on high-quality coffee makers, grinders, and other accessories to enhance their coffee brewing experience.
- Enjoy the Ritual: They appreciate the ritual of coffee-making and see it as a relaxing or enjoyable part of their day.
- Social Aspect: For some, sharing coffee with others is important, and they may enjoy hosting coffee tastings or gatherings to share their passion with friends and family.

Building a Persona



Build a persona for a coffee maker's buyer that: has **passion for coffee**, **enjoys the ritual, and enjoys the social aspect of coffee**.



Name: Carla

Age: 35

Occupation: Marketing Manager

Location: Urban area, possibly a city

Bio: Carla is a coffee aficionado who thrives on the rich, aromatic experience of brewing and savoring a perfect cup of coffee. She starts her day with a meticulously prepared pour-over or espresso, relishing the ritual as much as the flavor. Carla enjoys exploring different coffee beans, experimenting with various brewing methods, and honing her barista skills at home. For her, coffee is more than just a beverage; it's a passion that she loves to share with friends and family.

Building a Persona





Personality Traits:

- Passionate: Carla is deeply passionate about coffee and is always eager to learn more about its origins, flavors, and brewing techniques.
- Connoisseur: She has a refined palate and can discern subtle differences in coffee flavors, roasts, and brewing methods.
- Social: Carla enjoys the social aspect of coffee and often hosts coffee tastings or gatherings to share her love of coffee with others.
- 4. **Creative**: She is creative in her approach to coffee-making, often coming up with new and innovative recipes and brewing methods.
- Detail-Oriented: Carla pays close attention to detail when brewing coffee, ensuring that every aspect of the process is perfect.
- Hospitable: She loves to make coffee for others and takes pleasure in seeing their enjoyment of her creations.

Building a Persona





Goals and Motivations:

- Continual Learning: Carla is always looking to expand her knowledge of coffee and improve her brewing skills.
- Connection: She seeks to connect with others through her shared love of coffee, creating meaningful experiences and memories.
- Quality: Carla values quality in all aspects of her coffee experience, from the beans to the equipment to the final cup.
- Enjoyment: Ultimately, Carla's goal is to derive pure enjoyment and satisfaction from her coffee-making endeavors, both for herself and for others.

Building a Persona



Create a photorealistic portrait of Carla



ChatGPT > Moodboards.ai

To create a photorealistic portrait of
Carla, I'll need a bit more information.
Could you describe her appearance,
including details like age, hair color and
style, eye color, skin tone, and any
specific features or clothing
preferences? This will help me generate
an accurate and detailed portrait.



Carla is **35, Marketing Manager,** lives in an Urban area, possibly a **city**. She is **social, detail-oriented, and creative**. She believes in **life-long learning, deep connections**, values **quality** and wants to **feel joy and fulfillment**.

Building a Persona



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Creating a Mood board



Create a mood board for this persona



ChatGPT > Moodboards.ai

Here is the visual mood board created for Carla, a coffee enthusiast. This mood board includes images that reflect her passion for coffee, from the variety of beans to the brewing equipment, and showcases the community and creativity surrounding her coffee experiences. You can view and download the image above to explore the details and get a sense of warmth, creativity, and community that define Carla's persona..



Creating a Mood board



Recreate the board using more people and places.

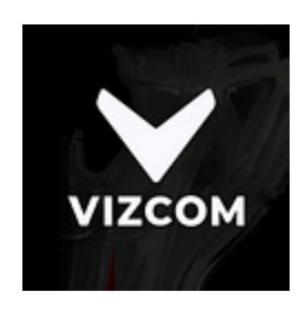


ChatGPT > Moodboards.ai

Here is the revised visual mood board for Carla,
now with a greater emphasis on people and places.
This version showcases diverse groups enjoying
coffee in various settings, highlighting the social
and global dimensions of Carla's coffee passion.
You can view and download the updated mood
board above to see the enhancements that reflect
a broader engagement with the coffee community.



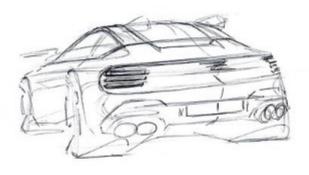
Collaboration H2Al

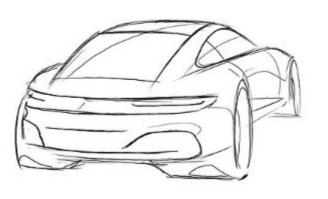


What is Vizcom?

2D visualization Image + Prompt Sketch > Render



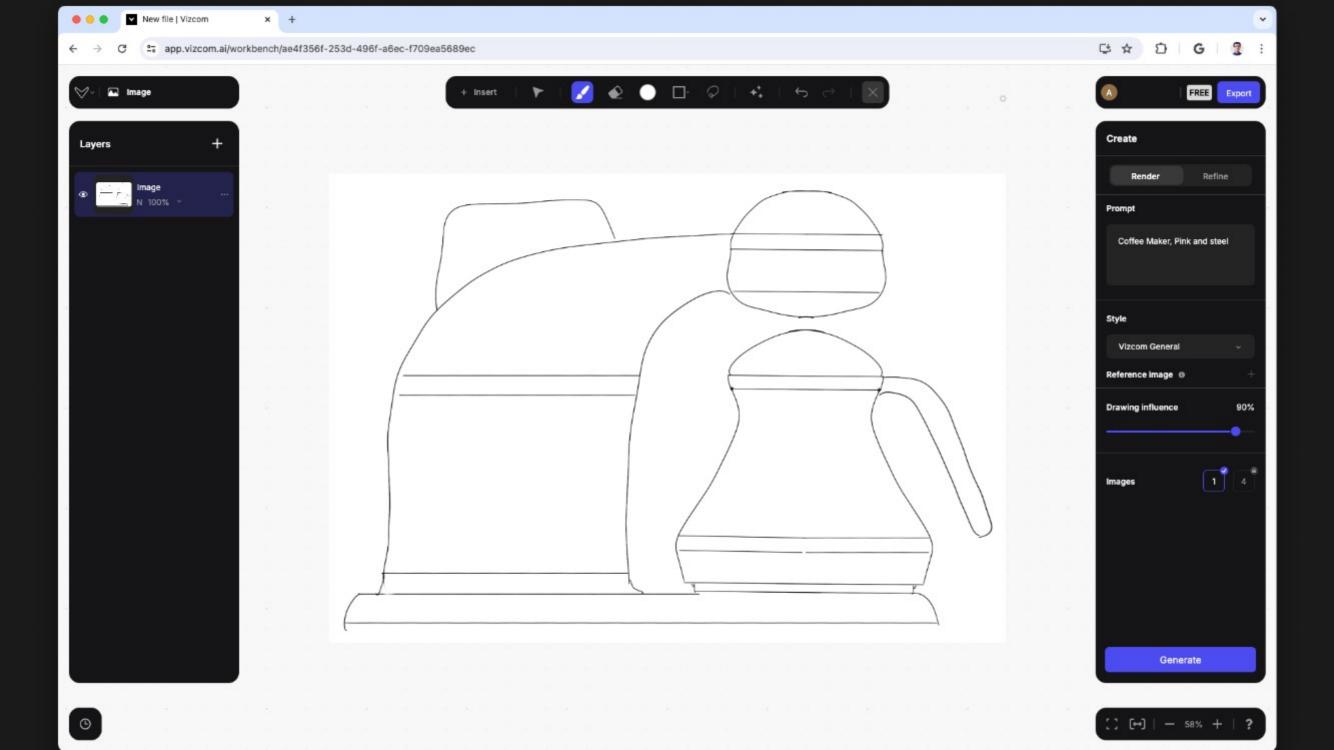




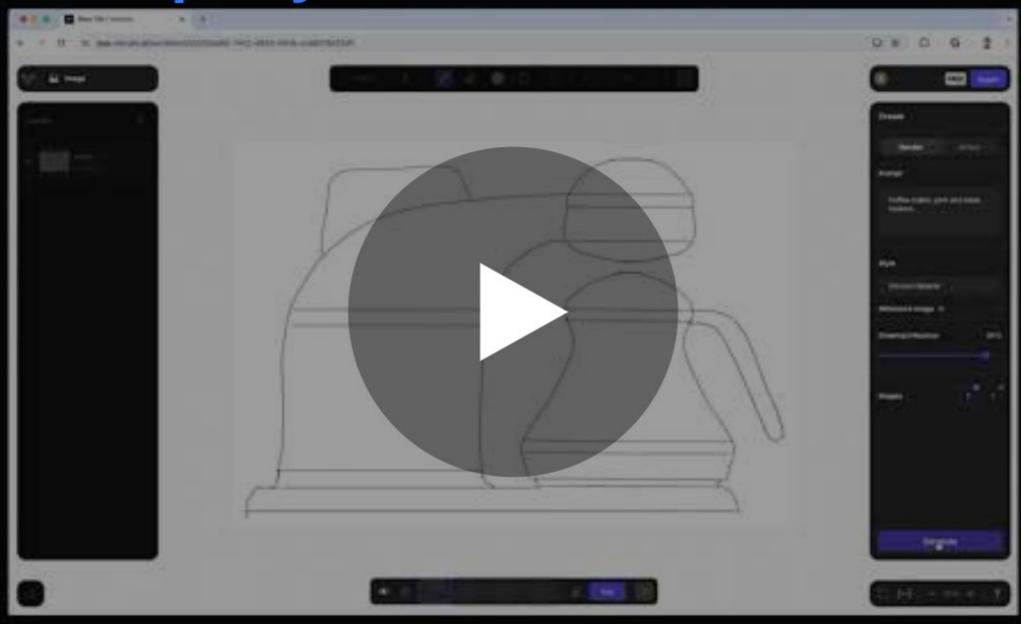


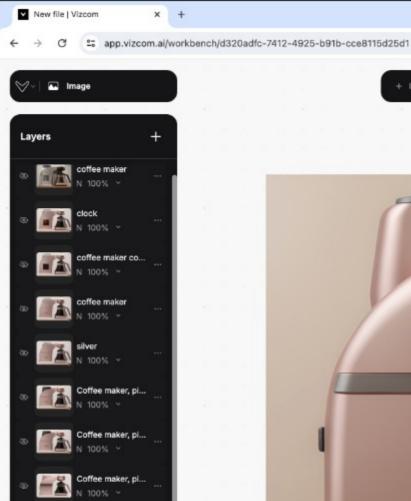
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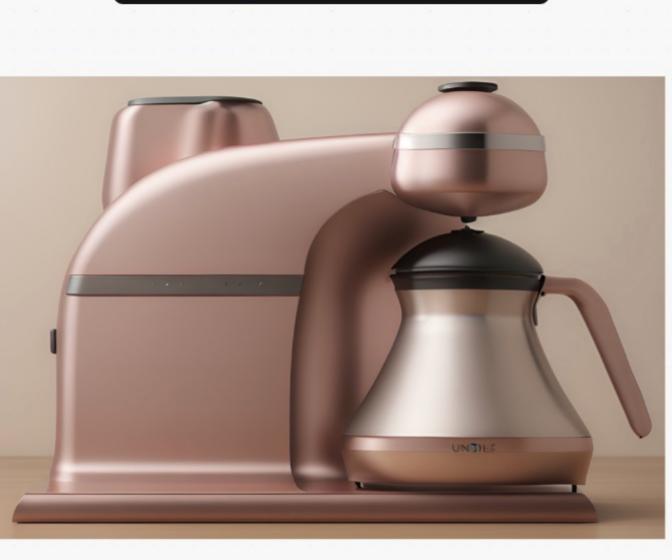




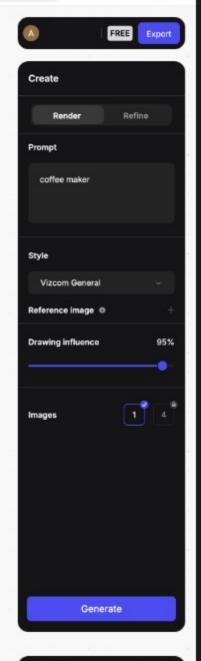
Coffee maker, pi...

Coffee maker, pi...

Coffee maker, pi...



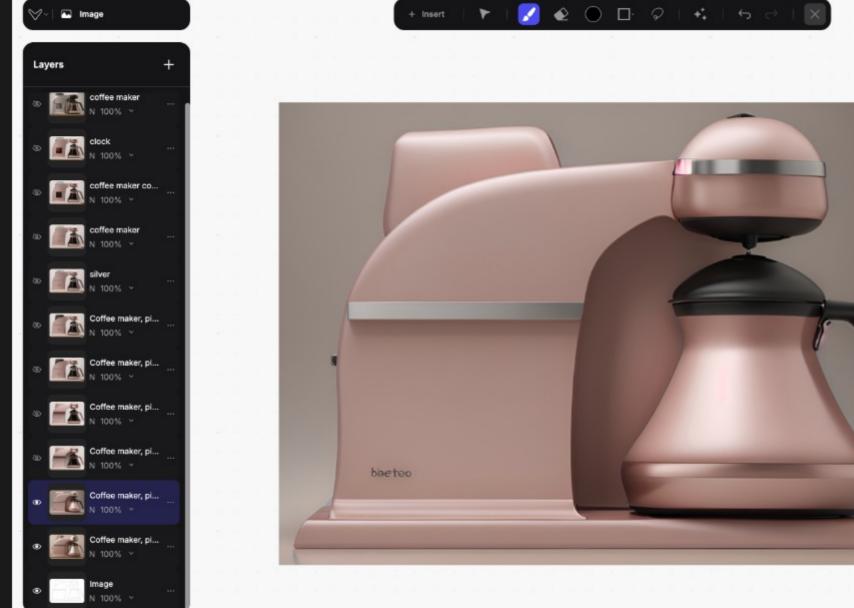
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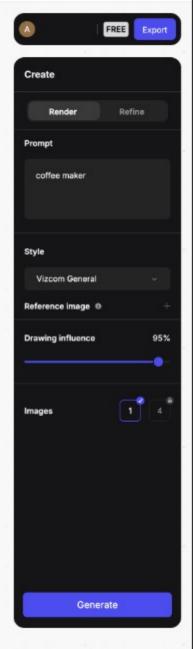


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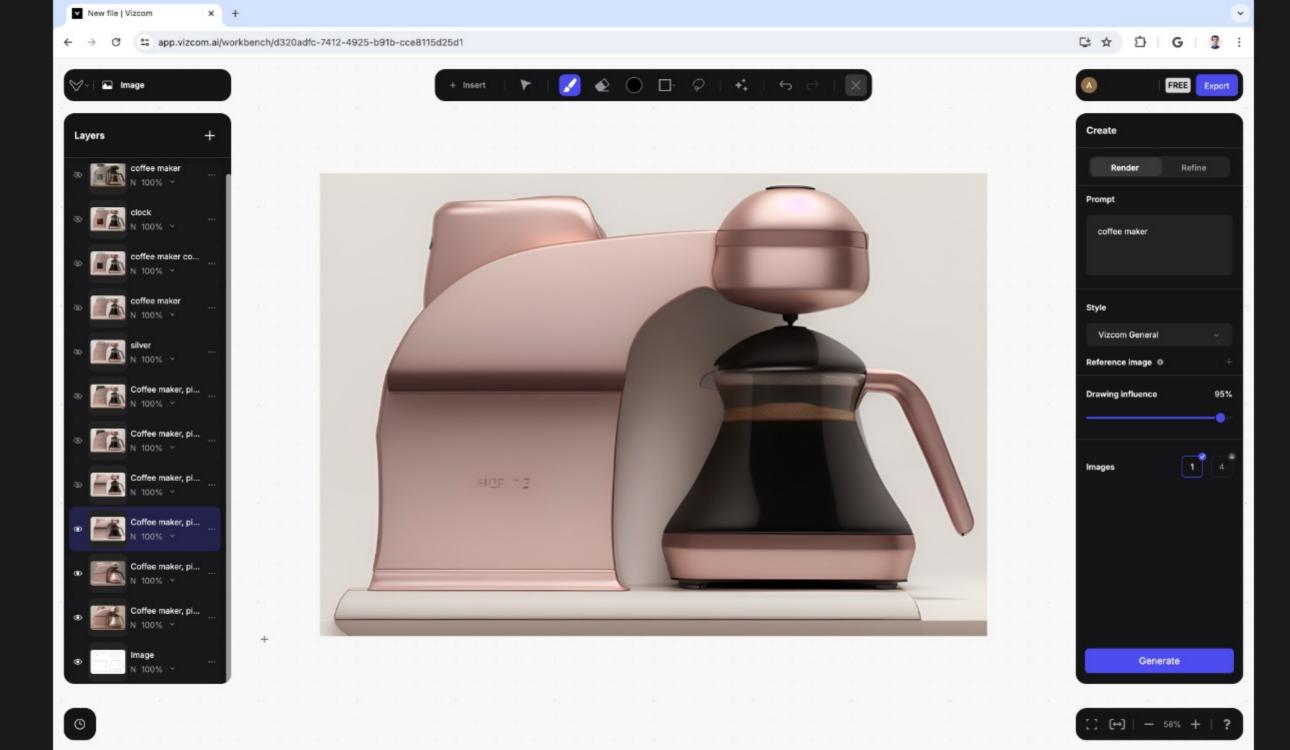
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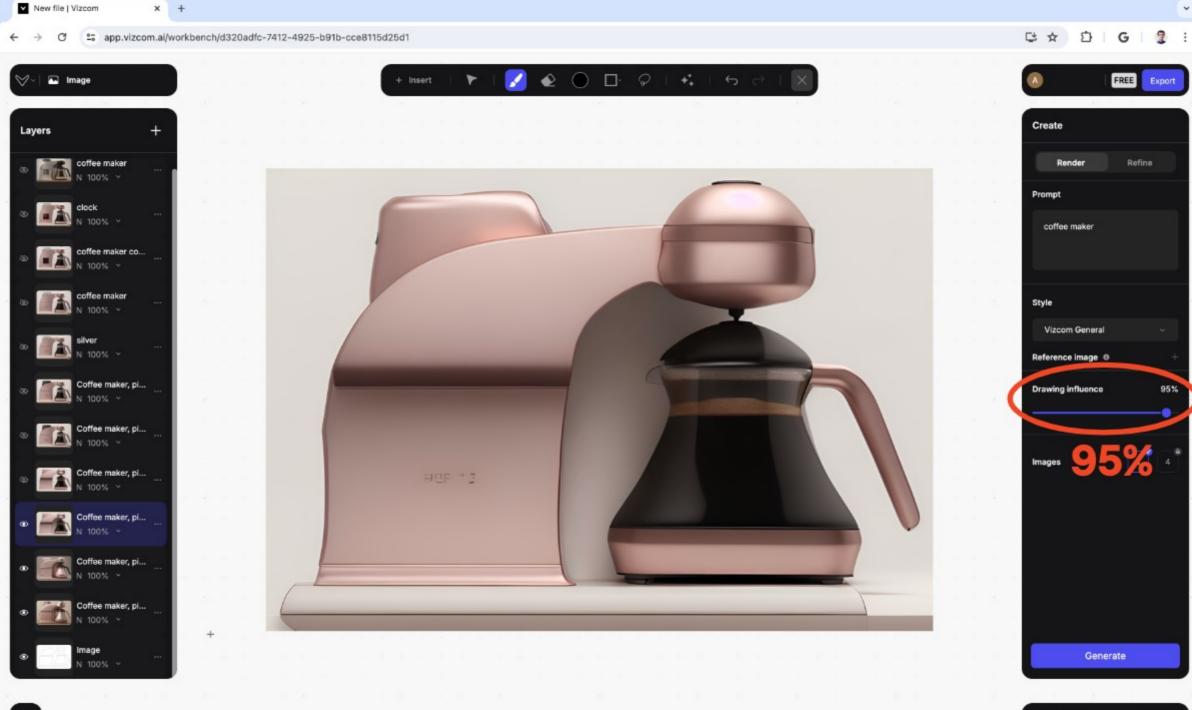




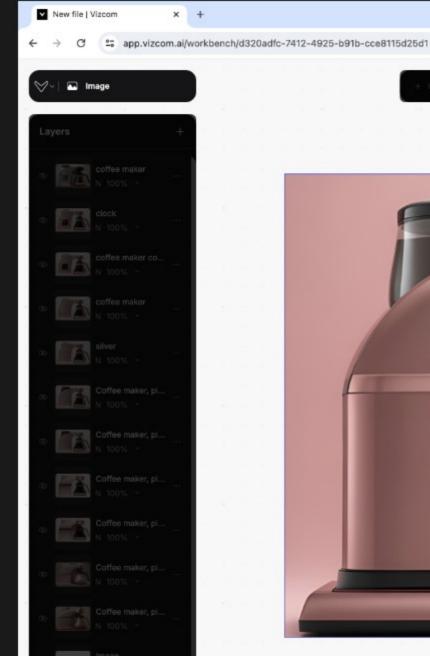
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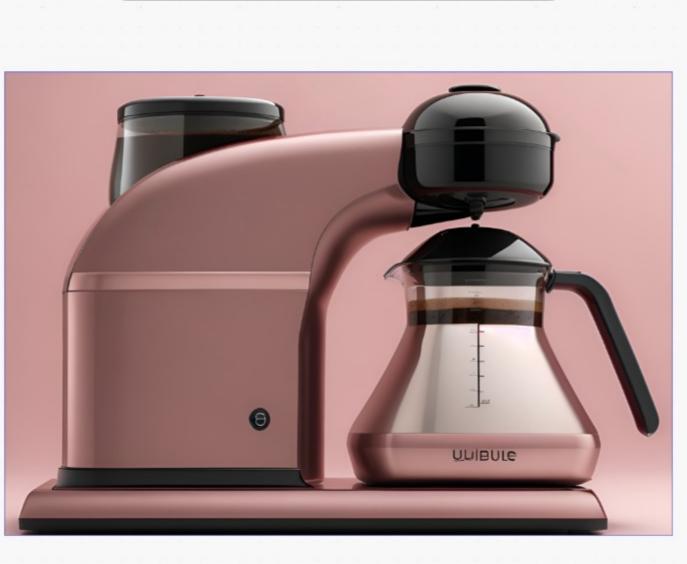


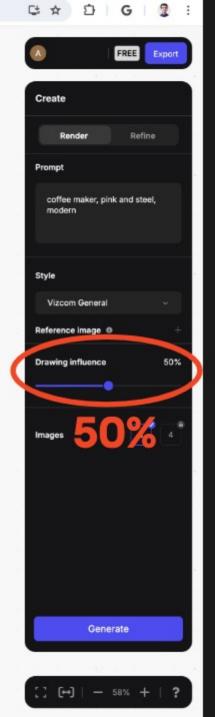


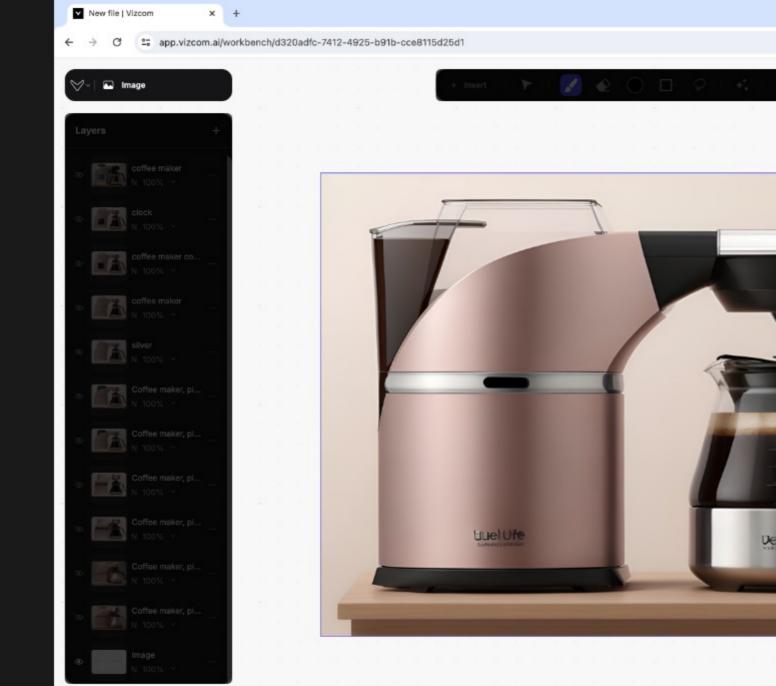


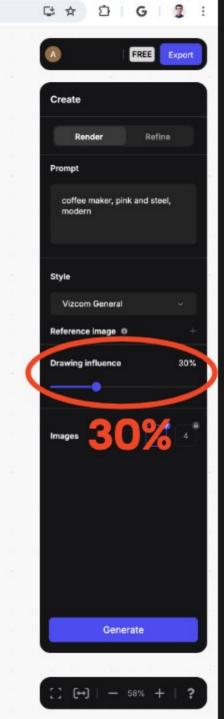
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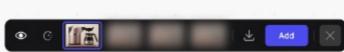


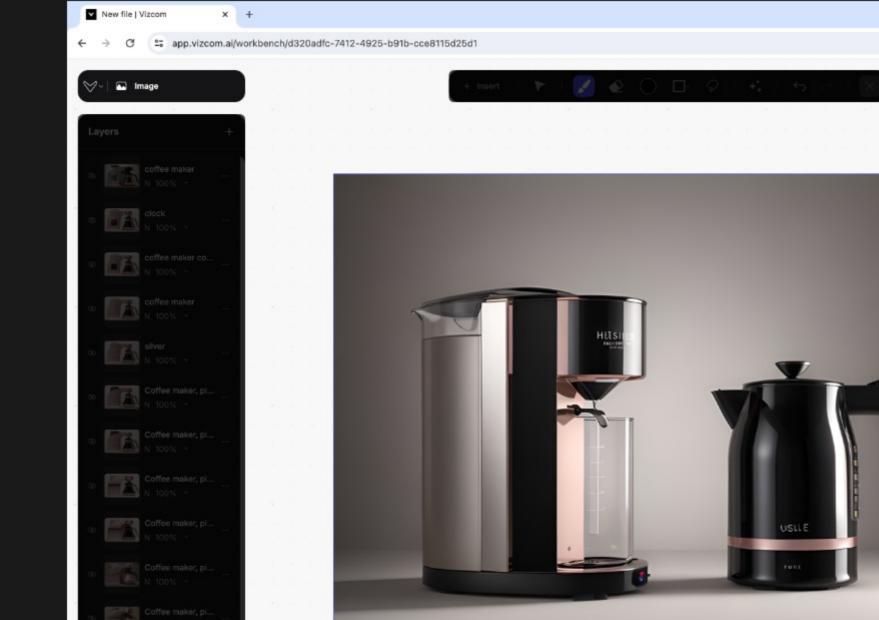


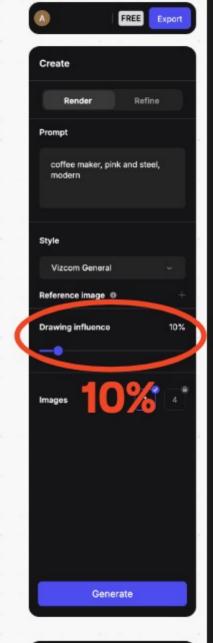








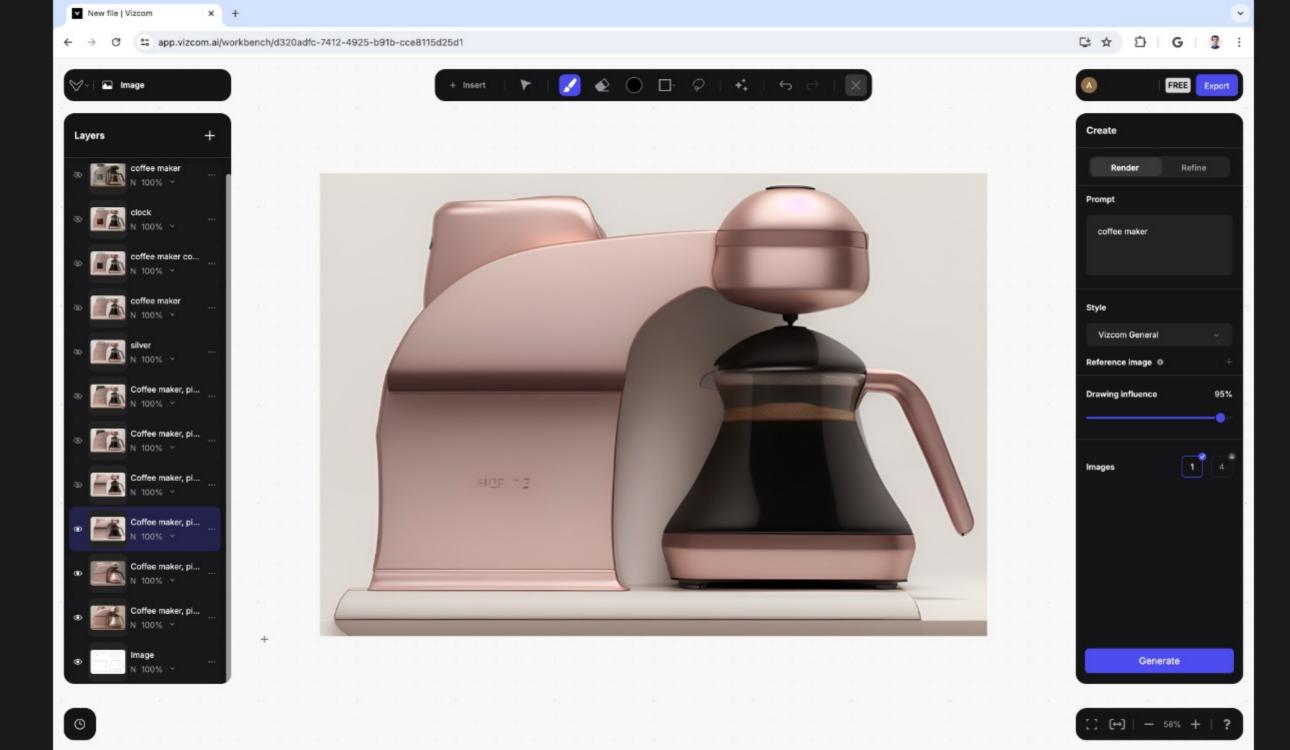


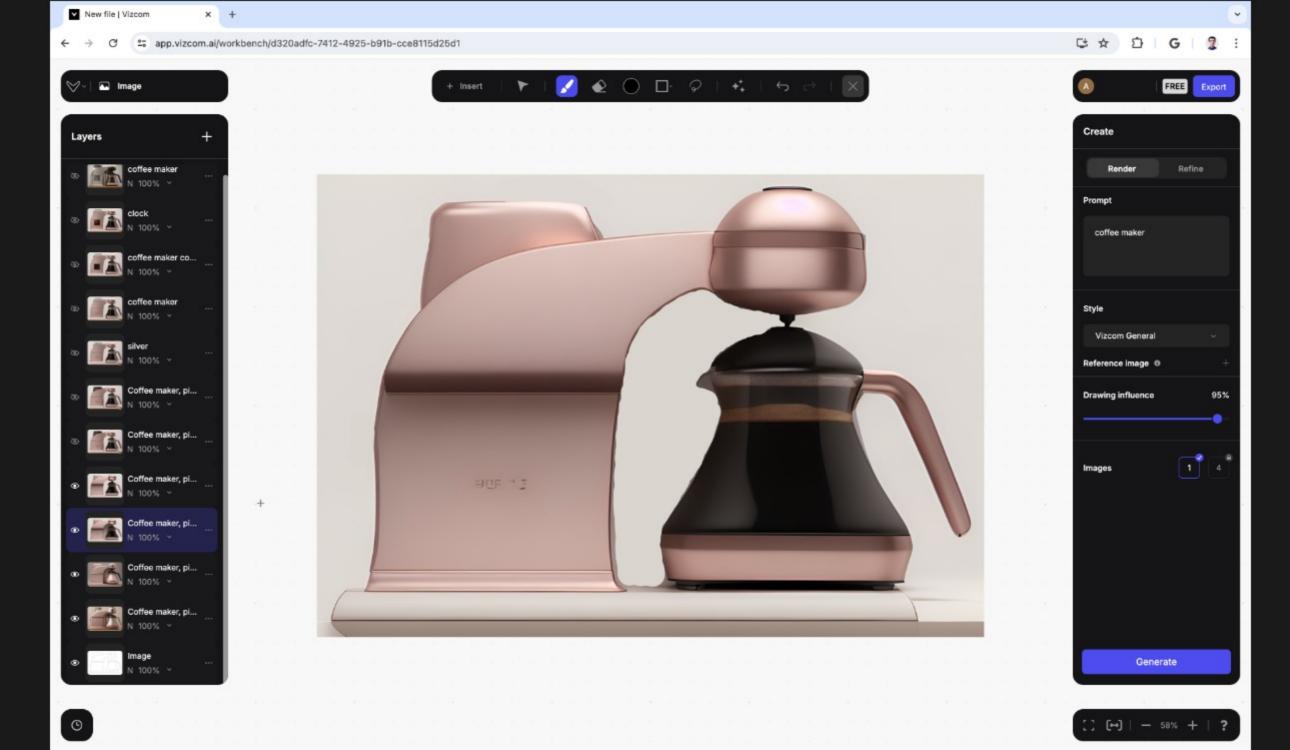


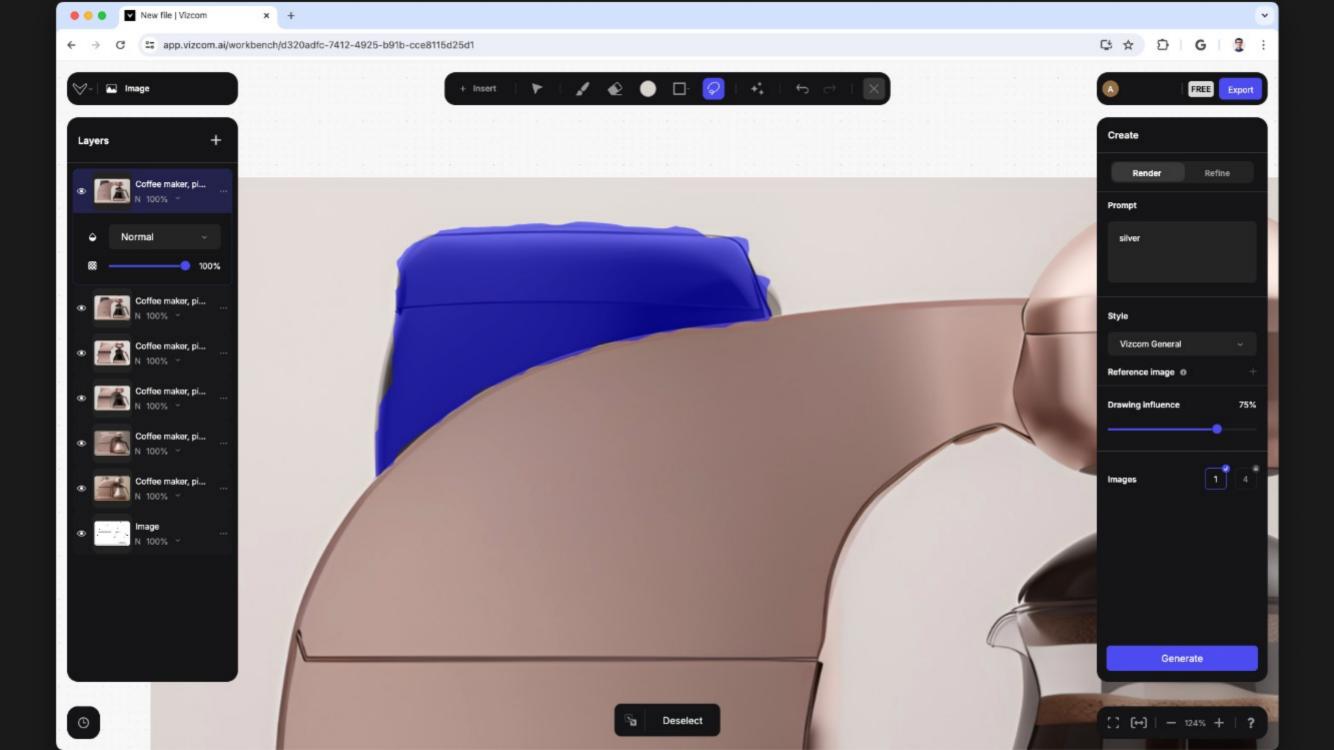
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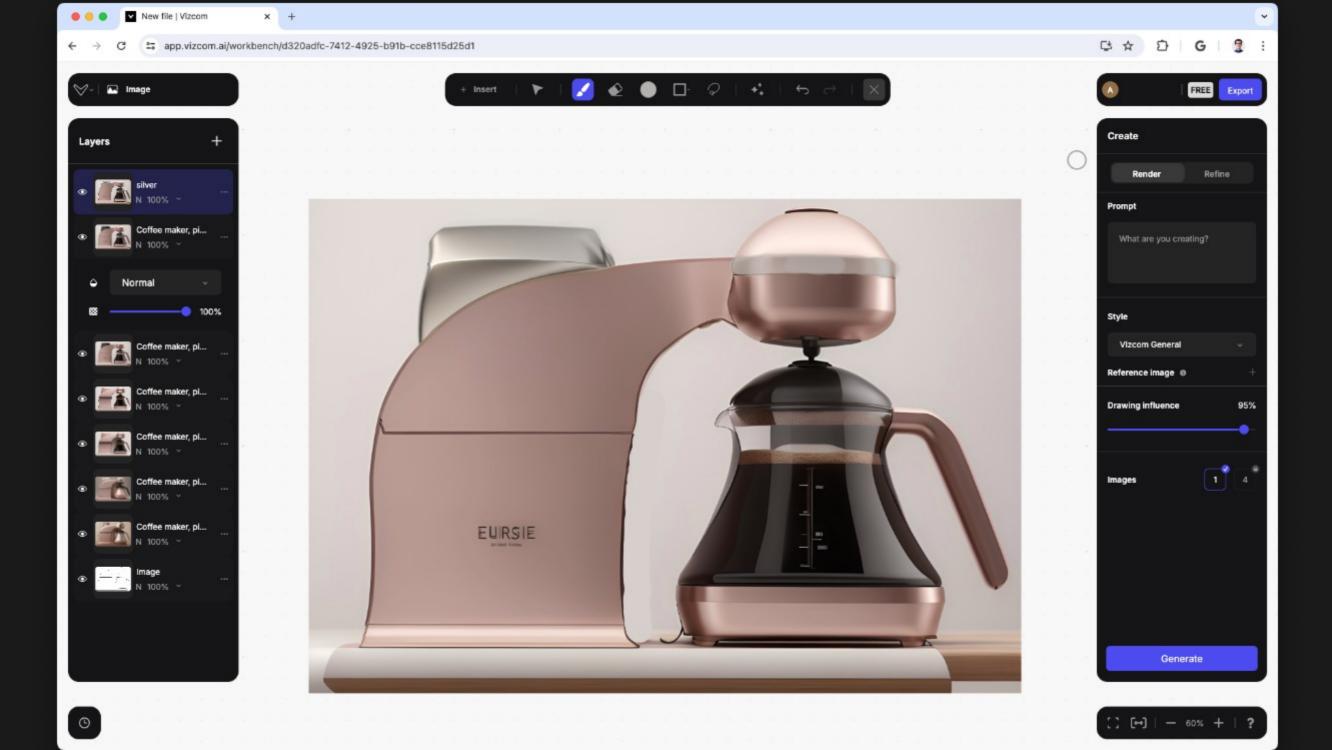
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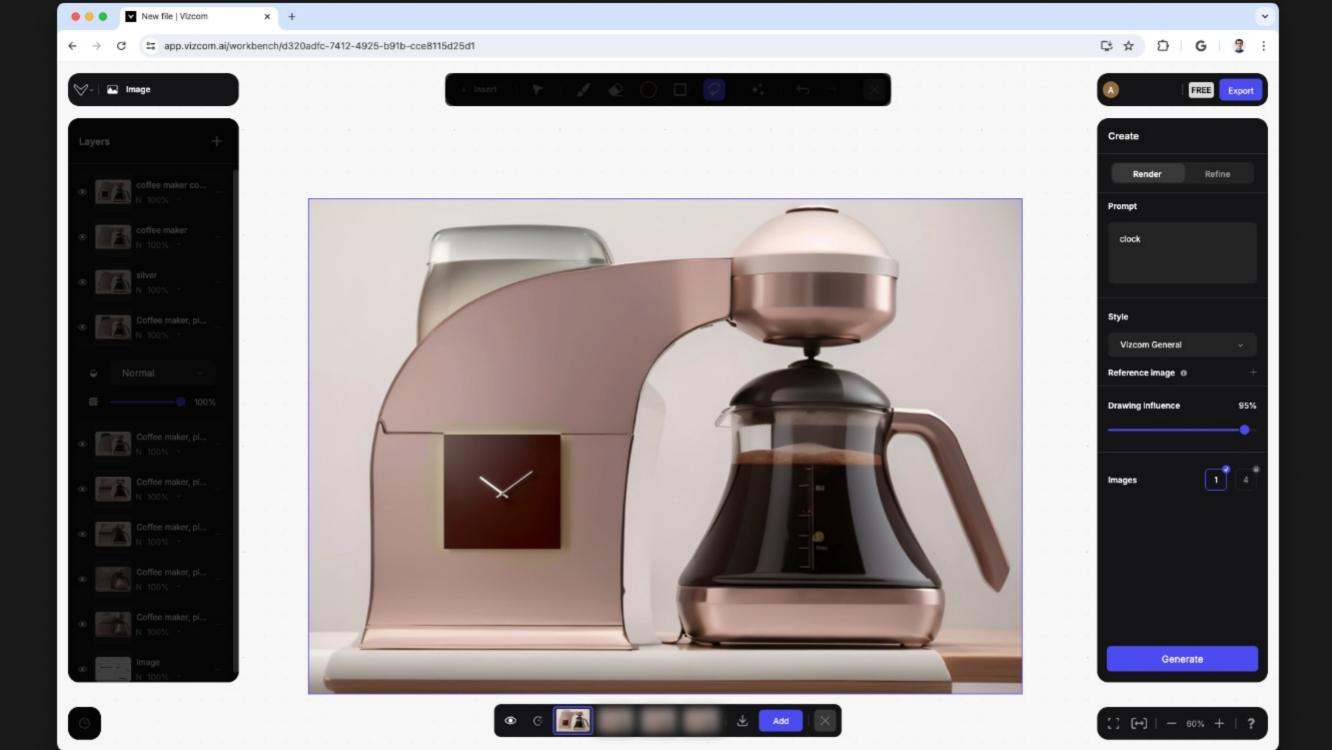


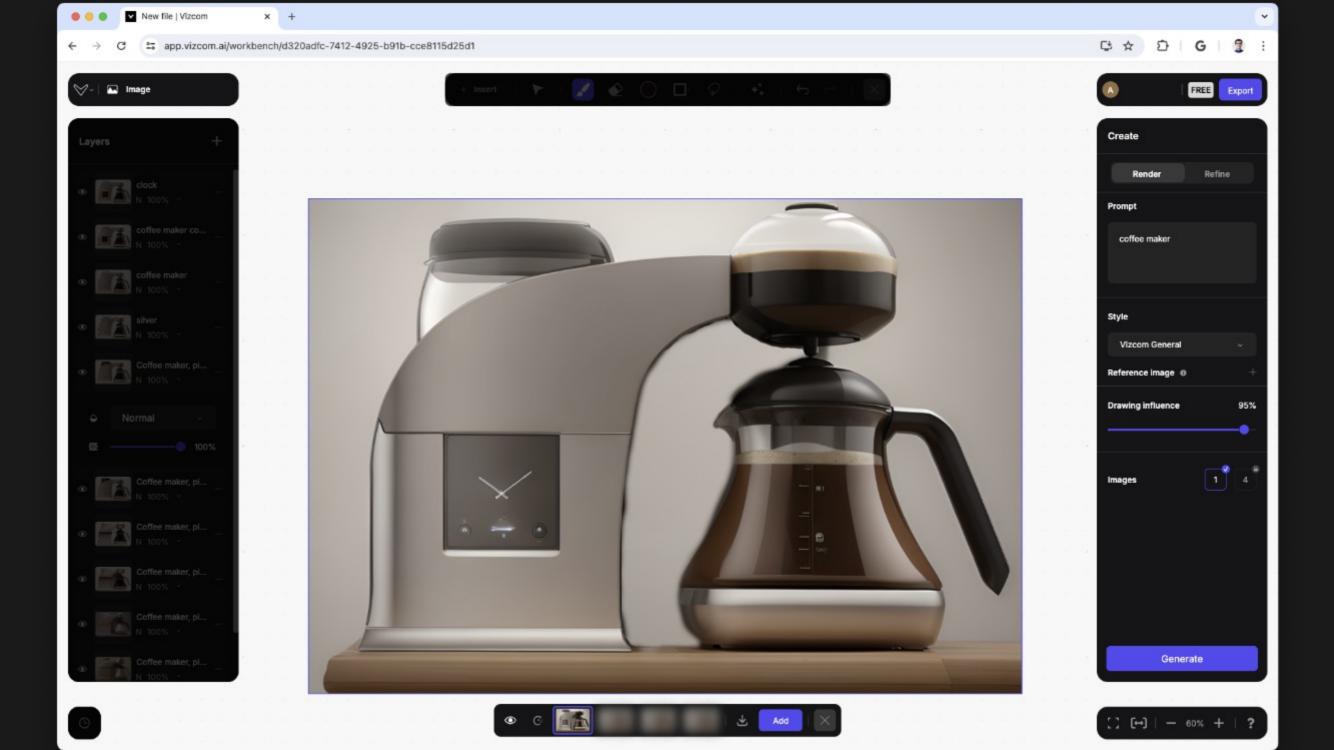










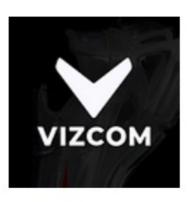


H2H

miro

H2AI





(H2H) Let's ^ chat