



CYGNUS

OLIVA ROCKWOOD DESIGNS

VISION STATEMENT

RELAX — FLOAT — FORM

The elegant form of nature captured in the comfortable design of a barstool

T A R G E T C O N S U M E R

Sue (35) Restraunt Owner

Sue is looking to upgrade her bar's high tops with something fun with a modern look. Sue did some research and found that recycled plastic materials can last a long time and even helps the environment.

Wants:

Nice, sleek design that complements the nature surrounding her restaurant.

Budget:

\$80 per stool



MARKET RESEARCH



Farrah Patio Bar Stool

Price:
\$317.00

Features:
Weather Resistant
UV Resistant
Stain Resistant

Dimensions
37.4"H x 17.3"W x 20"D



Palecek: Montecito Outdoor Bar Stool

Price:
\$4,975

Features:
Handcrafted bar stool suitable for outdoor use
Maximum UV protection
Comes with a loose seat cushion

Dimensions:
21.8"W x 21"D x 41.3"H



Anco Black Counter Stool

Price:
\$119.00

Features:
UV Resistant, but do not store direct sunlight

Dimensions:
35.5"H x 19"W x 19"D



Kurv Indoor and Outdoor Counter Stool

Price:
\$225.00

Features:
Ergonomic curved design
Iconic mid-century-inspired style
Sturdy molded plastic seat
Durable reinforced metal frame and legs

Dimensions:
18.9" x 18.7" 33.7"H

INSPIRATION



Hotel Indigo Rooftop Bar

The rooftop bar is a grand place to see the beautiful west bay from one of the tallest points in town.

The rooftop bar is a prime environment to furnish with the Cygnus bar stool.



Traverse City Nature Trails

Traverse City has so many different types and sights in regards to nature.

I found that the Cygnus stool can fit well in the form of nature considering that is directly inspire by said nature.



Boardman Lake Swans

The swans of Boardman lake is the natural form that is the primary inspiration for this form.

The form of the swan has always been joined with the idea of elegance. And the swan is seen as one of the more graceful birds of nature.

M A T E R I A L R E S E A R C H

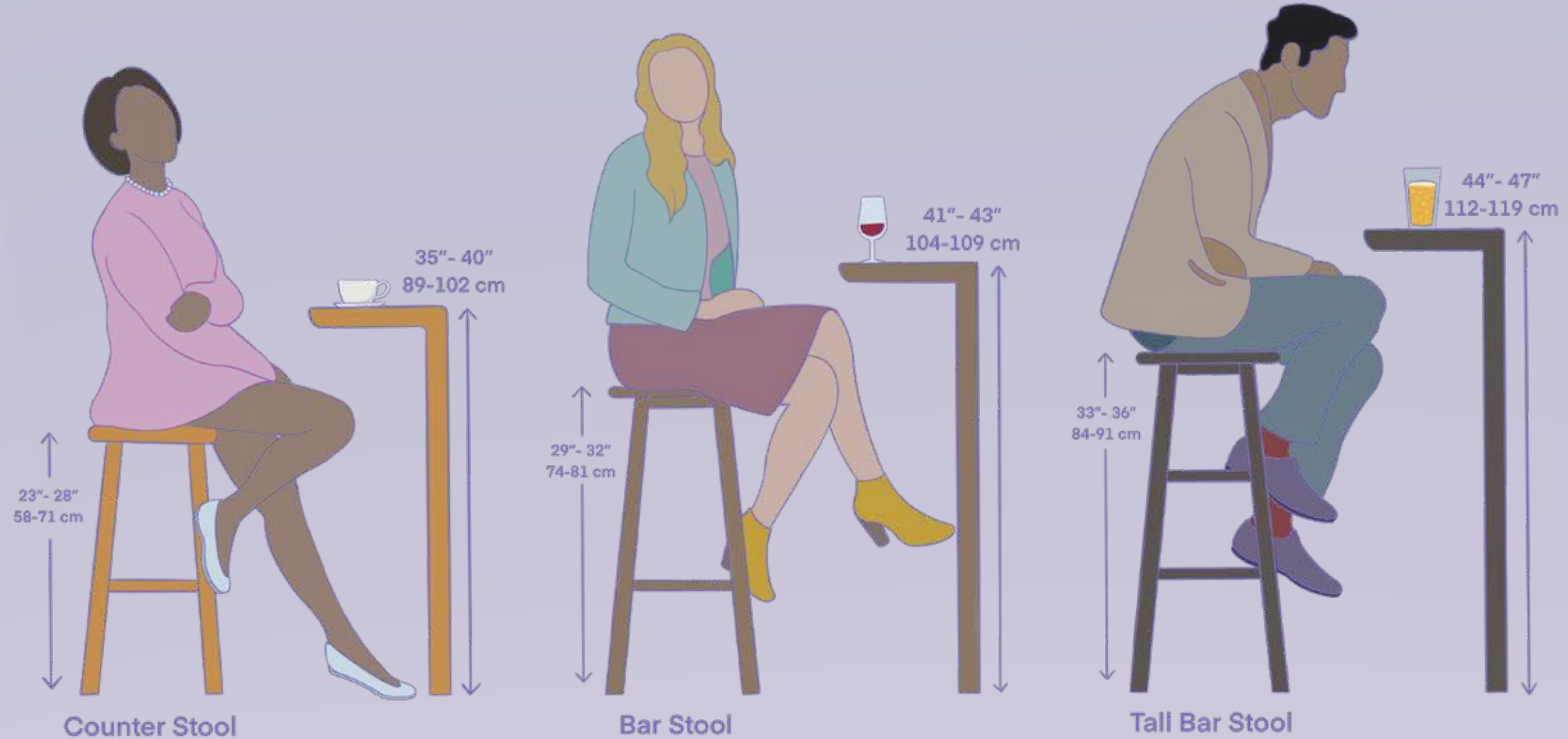


Recycled Plastics

The NexTrek recycled plastic is easy to mold and form into the desired shape. The molded plastic is durable when it comes to wear and tear along with weather durability and easy to clean.

The plastics that they use are grocery bags, any type of food plastic wrap, bubble wrap, wood pellet bags, newspaper sleeves, or any other similar types of plastic.

ERGONOMICS RESEARCH



Understanding the ergonomics of bar stools is a particular endeavor because it lacks the comfort of a supporting back rest on top of not having the best seat to sit on for long periods of time. With the lack of comfort in the general design of a bar stool the goal was to make a stool that can be sat in for a long period of time, an example of this is a long evening dinner with family and friends.

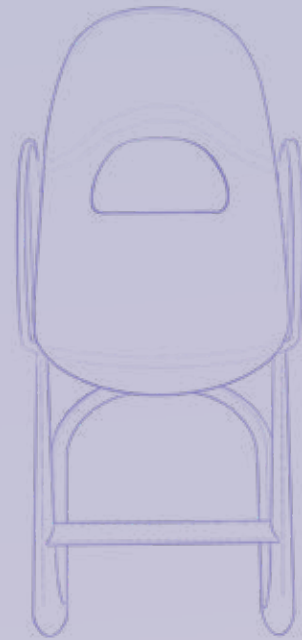
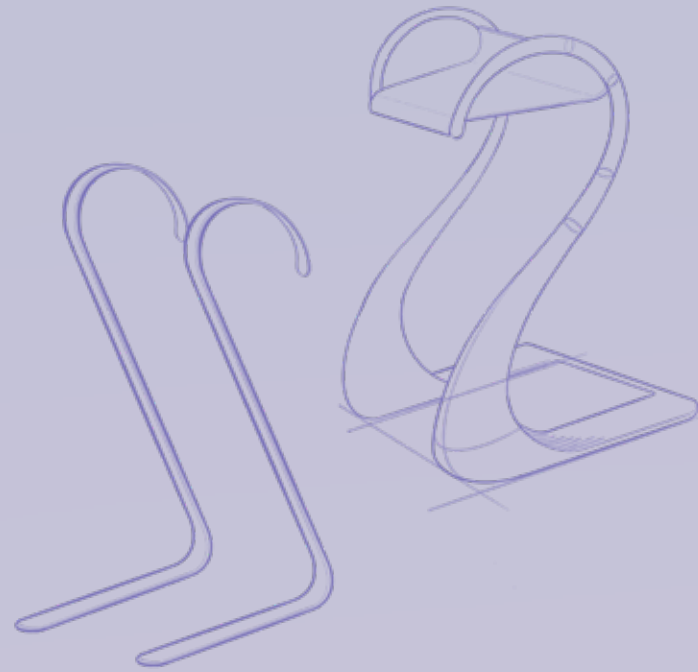


FINDING FORM

BEGINING OF AN IDEA



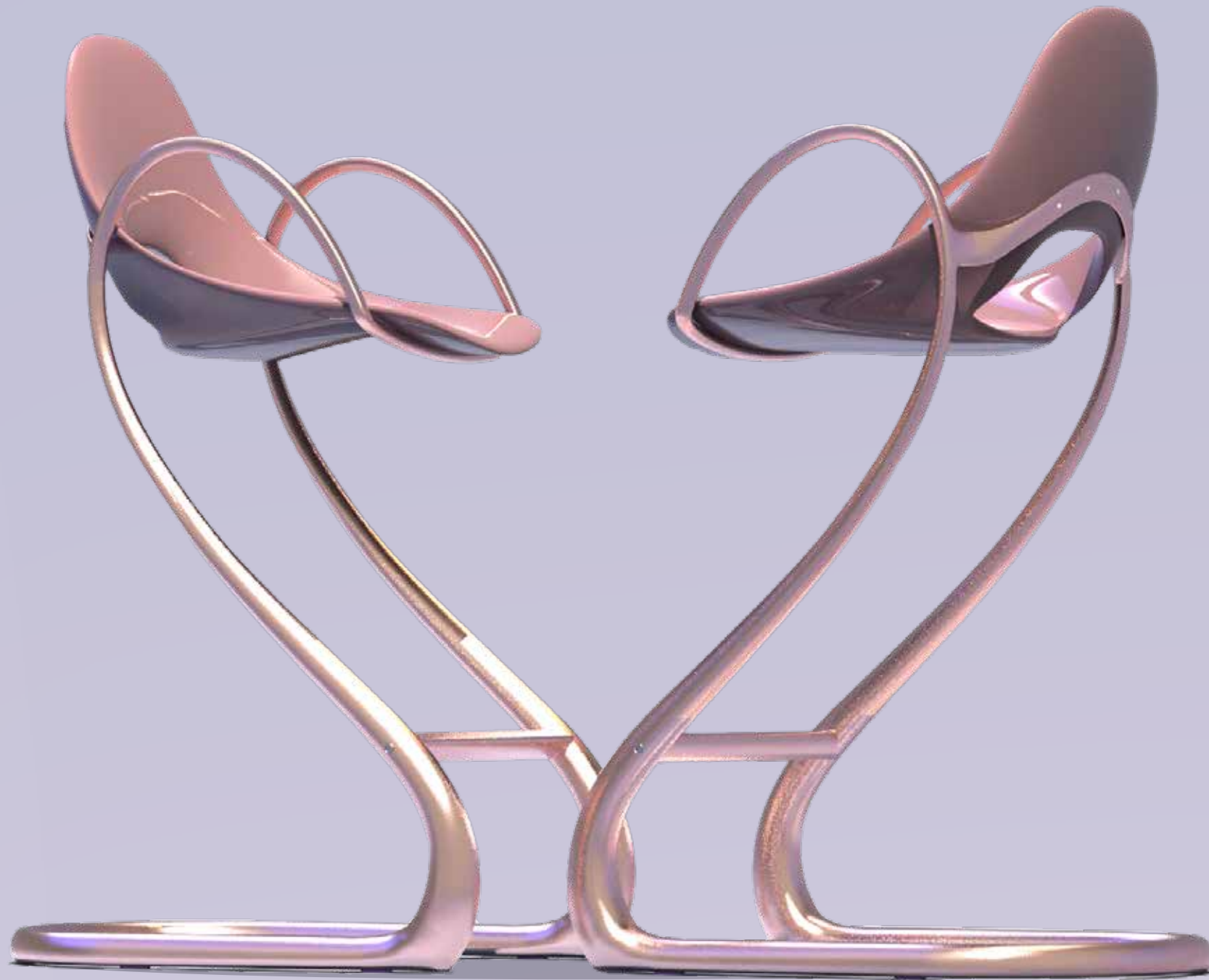
REFINEMENT



FINAL FORM



THE LOVER'S CHAIRS



The Swan's Promise

When two swans find each other to be a perfect match they will form a heart by placing their heads together. It is a promise to be together forever.

When two of the chairs are placed together they will also form a heart. This makes the chairs perfect for any restaurants that primarily host dates and older couples.



A. ATRATUS

Anodized Aluminum
Hex #CDC6DD

Recycled Plastic
Hex #000000

A.

B. BUCCINATOR

Anodized Aluminum
Hex #DDADB2

Recycled Plastic
Hex #7F5D5C

B.

C. COLUMBIANUS

Anodized Aluminum
Hex #C1AFA2

Recycled Plastic
Hex #F8F1E8

C.









PROTOTYPING



The build started out with the model scaled to full size and sliced into chunks and then 3D printed. It was assembled using connection pegs and wooden dowels. Gaps were filled and sanded to be seamless.

PROTOTYPING



The bar stool was sprayed with a primer and cured over time; then the colored spray paint is applied. After that layer has cured a final varnish is applied to the chair seat to give it a plastic like sheen.

FINAL PROTOTYPE



The model bar stool on display next to its product board.