

MONDAY APRIL 8TH, 2024

FINAL PRESENTATION

INDS 1008 - TERM PROJECT

LEATHER CATCHALL TRAYS



BY MITCHELL PRETAK

INDS 1008 - Circular Design
Assignment #4 Term Project Final

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The final product and images showing intended use



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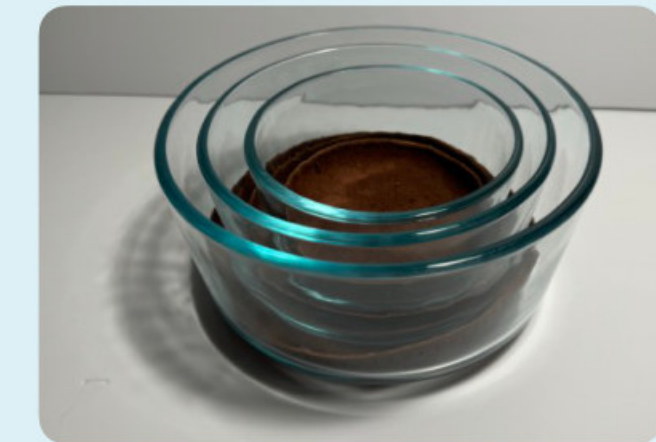
Personas development, and the main design objectives



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The Design Process

The process involved in creating the catchall trays



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Final Design Review and Reflection

Final review of any issues, future changes, & everything I learned



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References

All the recycled material suppliers used for the final design.



Stats



PRODUCT DETAILS

Basic Dimensions (W x L x H)

Large: 17x 17 x 2 cm

Medium: 13 x 13 x 2 cm

Small: 10 x 10 x 2 cm

Number of Pieces

3

Materials Used

Leather, Twine, Fabric Samples.

ASSIGNMENT DETAILS

Chosen Recycled Material

Leather Scraps

Primary Design Principal

Reuse

Overall Goal

Using leather scraps to create organizational "Catchall" trays.

Description

“A set of 3 “Catchall” Trays made from recycled leather and fabrics, designed to help de-clutter a front entryway, or any space in the home.”

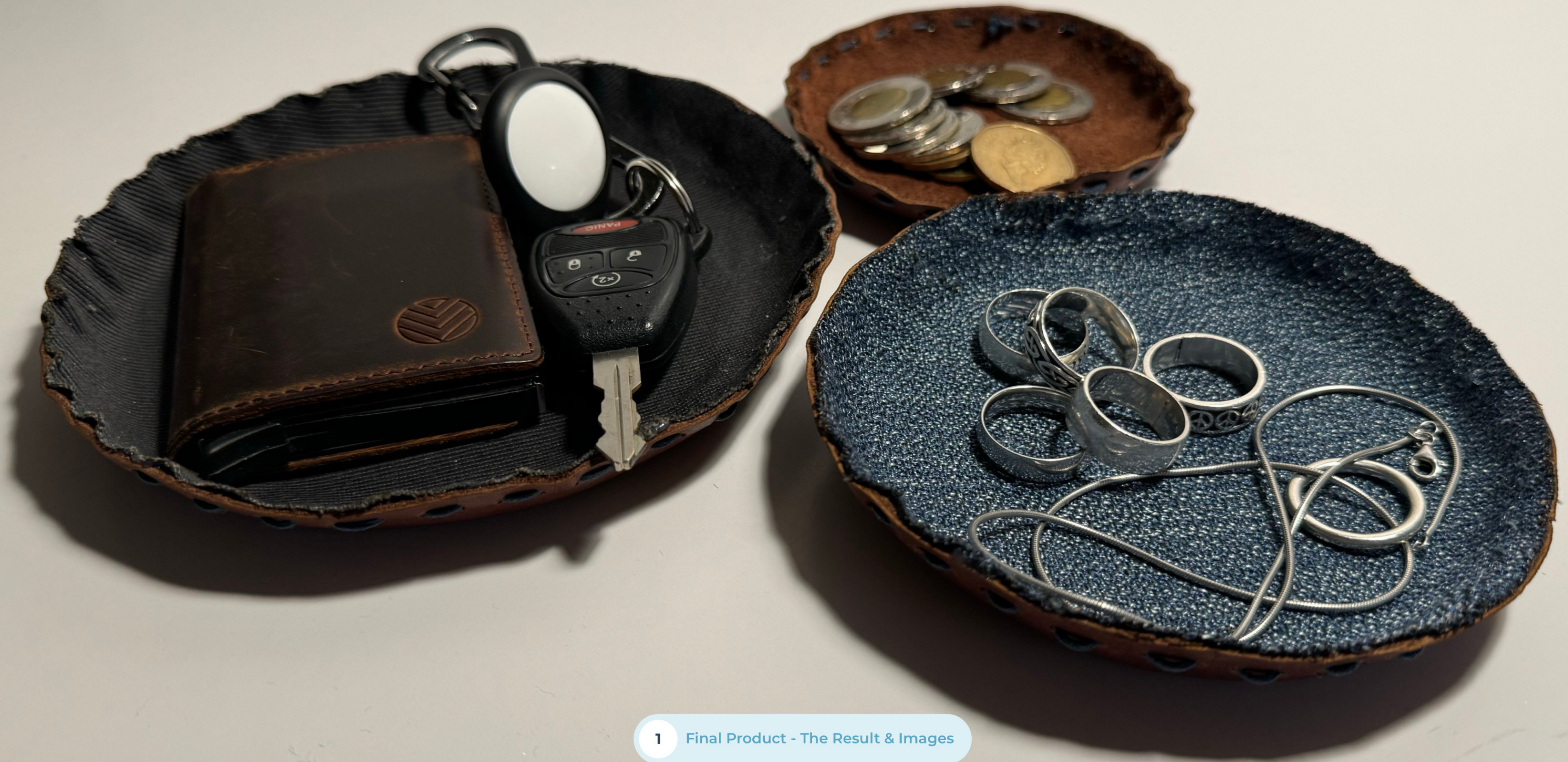
Final Product



Final Product - Details



Final Product - Use Context



Persona



PERSONA BASICS

Name

Mary Thompson

Age

40 years old

Career & Family details

- Stay at home mom, taking care of 3 busy kids ages 8, 10 and 13
- often rushing in and out of the house for kids appointments, pick ups, errands, etc.

PERSONA - REQUIREMENTS

Main Issues

- Hard to stay tidy & organized while constantly rushing around
- Constantly losing spare change, keys, other small day to day items

Design Criteria

MUST

- Be made from primarily recycled materials
- Help Mary stay organized
- Be used in a front entryway
- Be durable / long lasting
 - Can't meet re-use objective if its just creating more waste

SHOULD

- Be designed to fit-in with a variety of other styles
 - ie fit-in with the style of ANY front hall
- Exist as a series
 - (3 Pieces that work together rather than just duplicates)

COULD

- Modular functionality
 - Be expanded upon later
- Include other recycled materials
- Be used in other areas outside of a front hall

Main Technique

WET MOULDING

Wet moulding is a technique in leatherwork that allows you to reshape leather without cutting or sewing.

Like the name suggests, leather is soaked then fit by forms or moulds. When the leather dries, it will retain the shape of the mould.

How To Re-Create

PART 1 (PREP & MOULDING)

- 1. Find or create a mould in the shape you want the tray to be in*
- 2. Pre-Cut the leather to the size of your mould + an inch on all sides (to account for the walls)*
- 3. Hole-punch thread holes around the perimeter*
- 4. Fill a large tray with very hot water, and lay the leather to soak for at least 10 minutes.*
- 5. Clamp or compress the leather in the mould, and let sit until the leather is fully dry (usually at least 12 hours)*

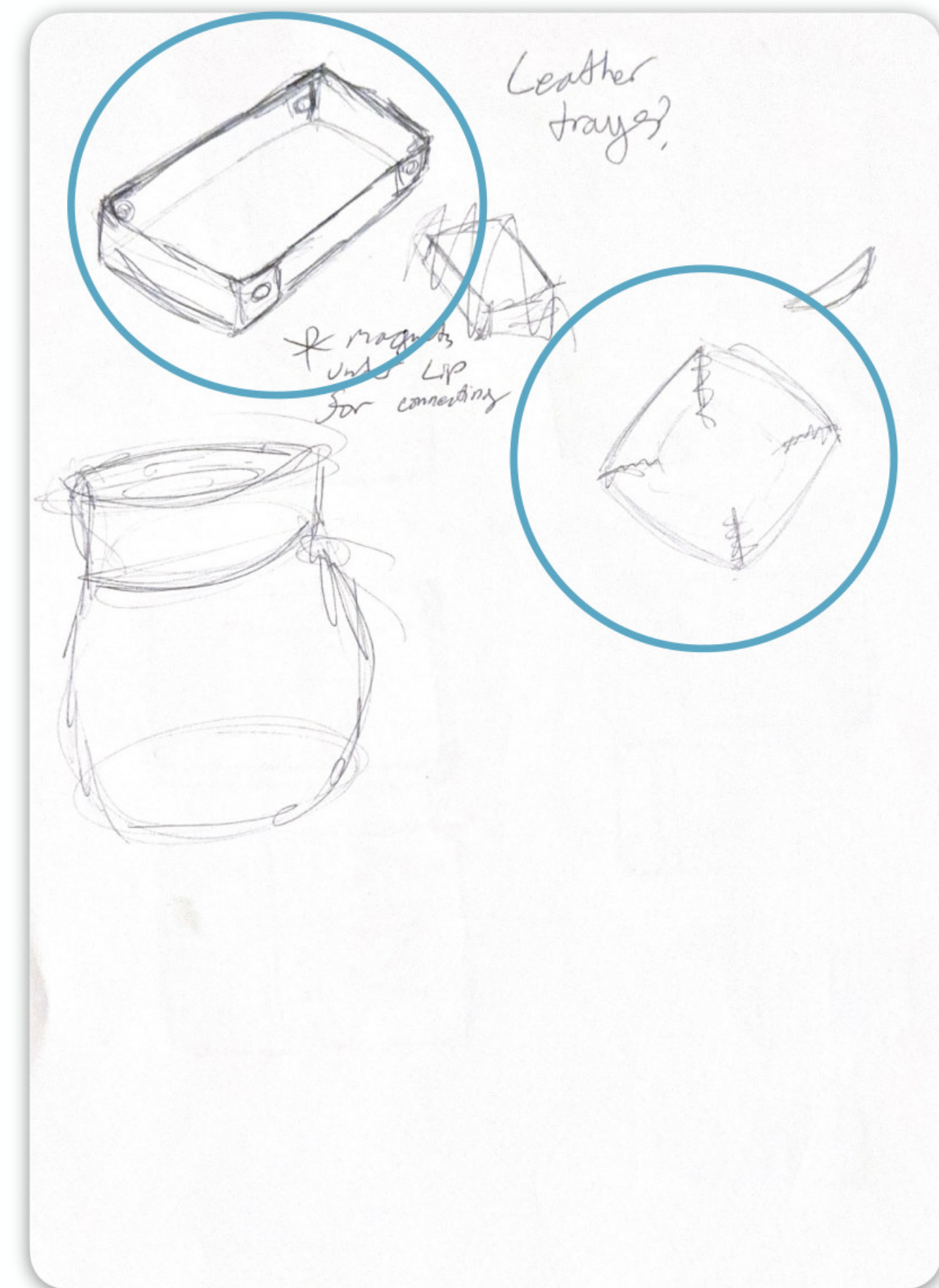
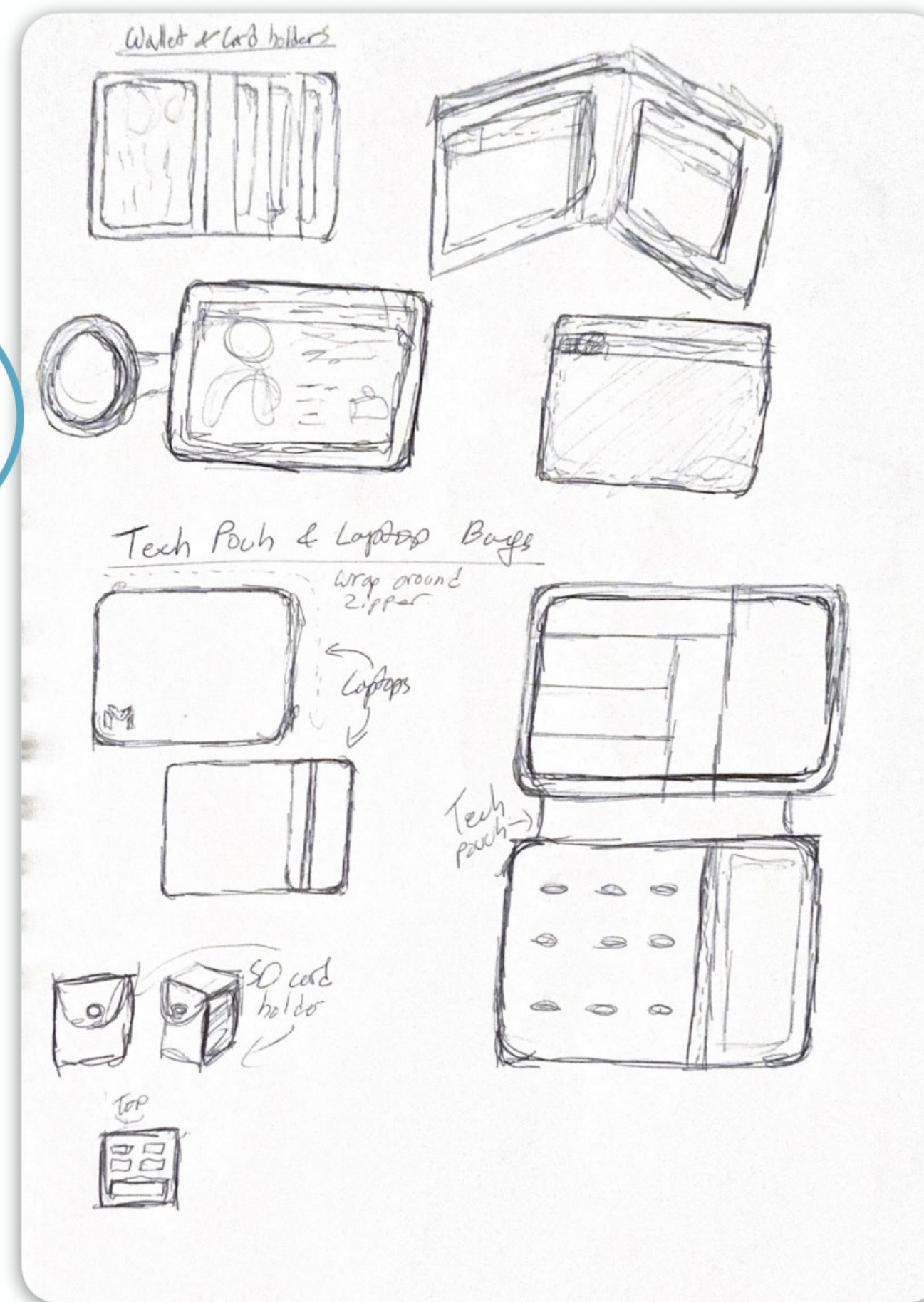
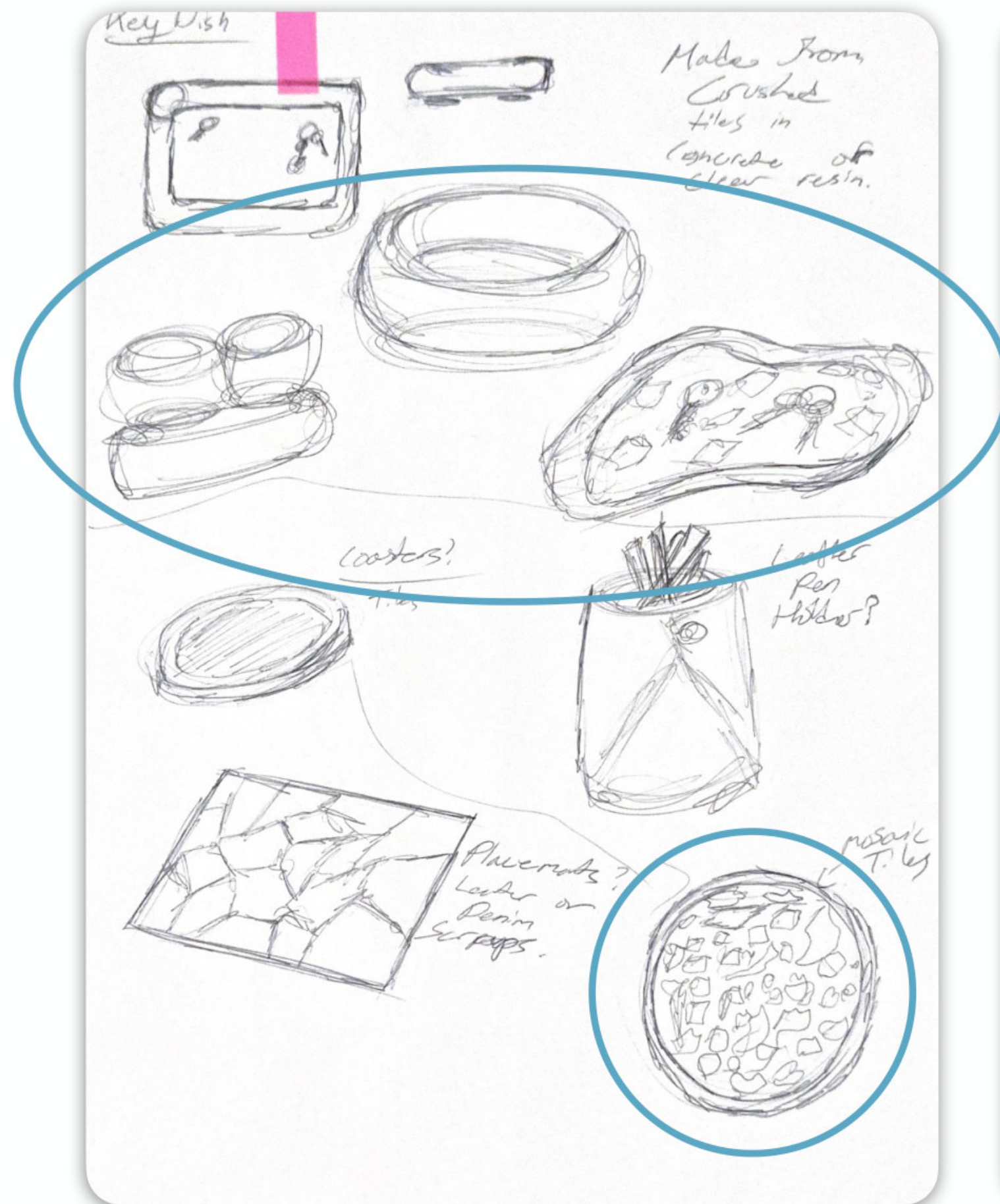
How To Re-Create

PART 2 (ASSEMBLY)

- 1. Once the leather is fully dry, remove it from the mould.*
- 2. Select an inner lining material. I used expired fabric samples.*
- 3. Place the lining in the bowl, and repeat the punch process so that the lining has punch holes that line up with the leather.*
- 4. Thread your chosen string or twine through the holes until it loops fully around the perimeter of your tray. Tie or burn off at an appropriate tightness to help the tray keep its shape.*
- 5. (Optional) Burning the edges can help to create a cleaner final product*

My Design Process

INITIAL SKETCHES



My Design Process

LOW FIDELITY PROTOTYPES



My Design Process

MID FIDELITY PROTOTYPES



My Design Process

HIGH FIDELITY PROTOTYPES



My Design Process

FINAL PRODUCT (AFTER MOULDING)



My Design Process

FINAL PRODUCT (AFTER ASSEMBLY & LINING)



Changes Made

BUTTERFLY CLIPS



Original design involved a square design held together at corners

Leather was too flimsy, & clips looked cheap. Feedback from class suggested using rivets in place of the clips & putting in an inner lining

Ultimately changed to using wet moulding, which no longer needed clips.

Changes Made

SEWING



Originally planned to use vegan (Vinyl) leather scraps, which are much cheaper & easier to find, but also thinner and can be sewed. To reduce flimsiness, I switched to genuine leather, which is much stronger

Couldn't be sewed, and so had to use a hole punch method instead, and manually thread the string through.

Changes Made

LEATHER LINING



Originally I wanted to do double sided leather, however to do this the leather had to be placed together in the mould, with the skin outward. This prevented the leather from drying, and was still wet 30 hours later.

Instead, I switched the lining to leftover fabric samples from earlier in the project.

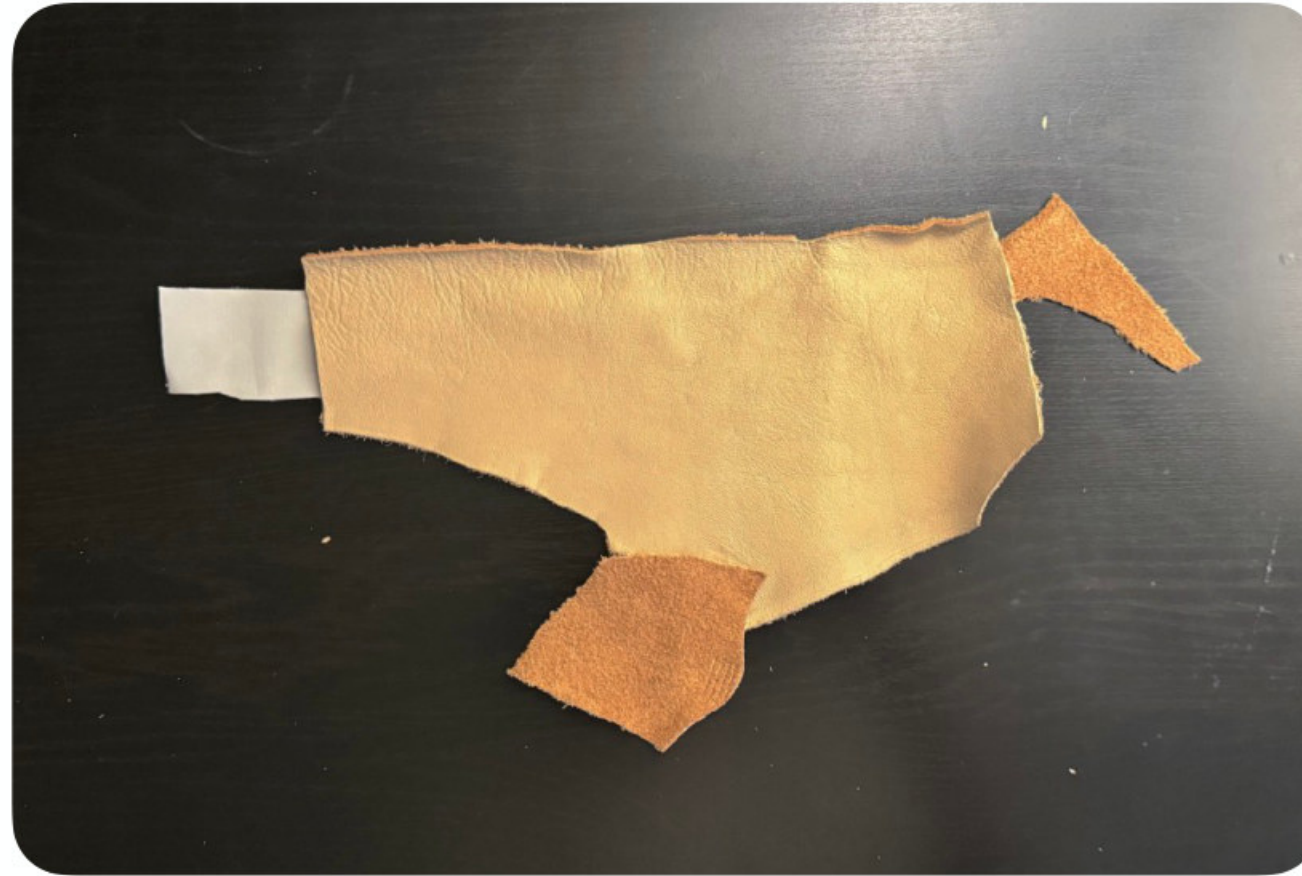
Future Changes

- 1.** *Make custom moulds that have both inside and outside support*
- 2.** *Consider re-visiting using a leather lining, or using no lining at all.*
- 3.** *Use more Intricate stitching techniques*
- 4.** *Get a greater variety of leather colours*

Personal Review

Overall, Im somewhat happy with the outcome of the project. I gained a lot of experience with different leather work techniques, but as its a new material for me the final quality wasn't where I had hoped it would be.

Blackstock Leather - Leather Off-Cuts



(416) 464 - 9241



<https://blackstockleather.com>

SUPPLIER INFO

Business name: Blackstock Leather (Supplied through Lo&Behold)

Address: 13383 Kennedy Road, Stouffville Ontario, Canada L4A 3Y7

Business Type: Leather Supplier & Leather Tile Manufacturer

Lo & Behold Design - Fabric Samples



(416) 809 - 7899



www.loandbeholddesign.com

SUPPLIER INFO

Business name: Lo & Behold Design

Address: 28A Strathgowan Ave, Toronto ON M4N 1B9 Canada

Business Type: Interior Design

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**THANKS FOR
WATCHING**



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