No part of the candidate's evidence in this exemplar material may be presented in an external assessment for the purpose of gaining an NZQA qualification or award.



## Level 2 Design and Visual Communication 2023

91337 Use visual communication techniques to generate design ideas

**EXEMPLAR** 

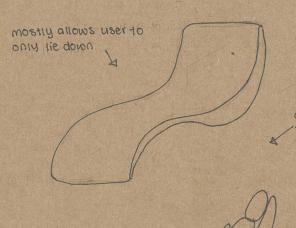
Merit

TOTAL M



# INITIAL 108AS

inspiration from idention



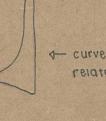
fits children as the shape moids to the body >



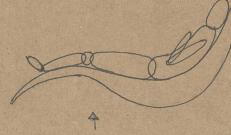
curves relate wack to modernism



not used for relaxing as only allows the user to sit upright



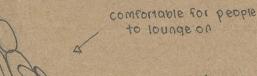
4- curves and angles relate back to modernism



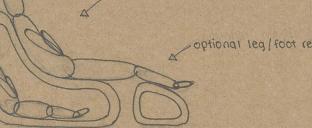
snape moids to body



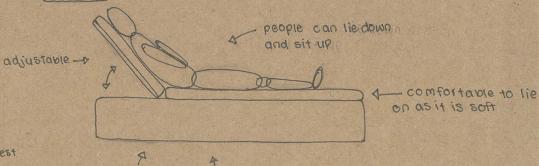
curves from ideation links back to modernism design era



poptional leg / foot rest



room underneath for children

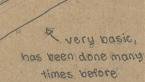


sleek, straight lines relate back to modernism ideation



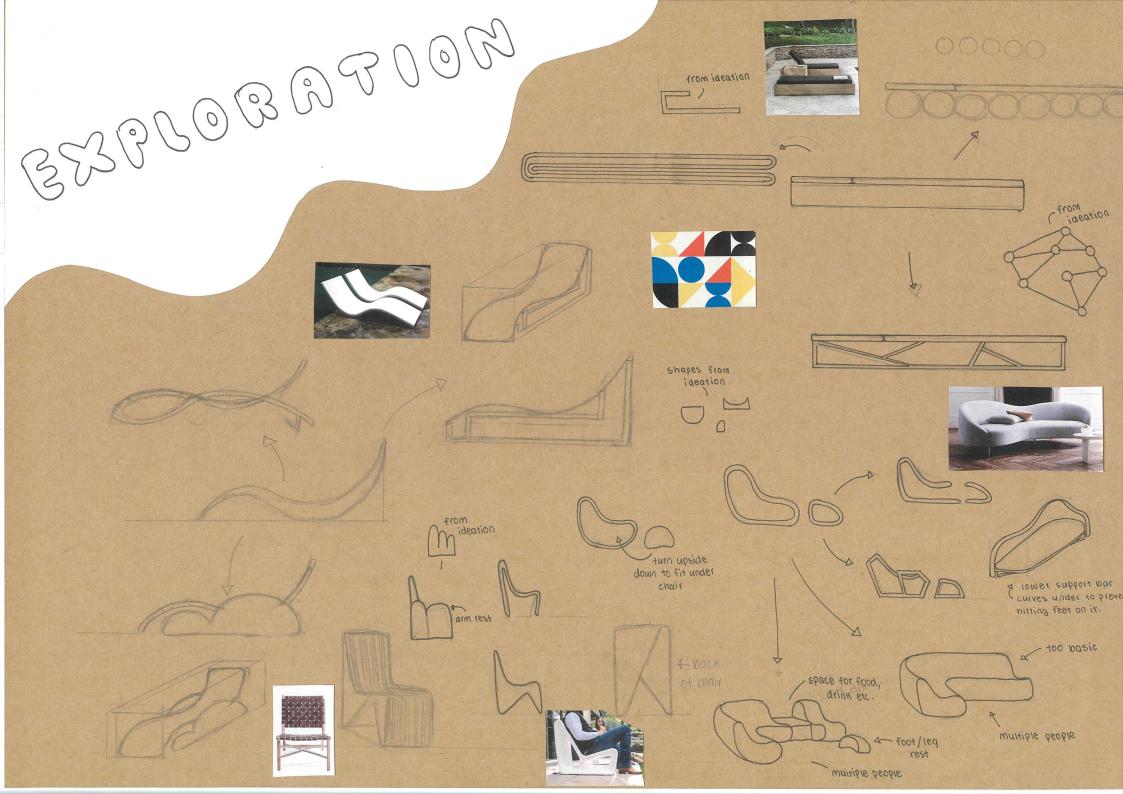
can be used as a beach seat for multiple people

and children



on as it is soft





CONCEPT ONE:

DIMENSIONS

84 cm

seat to backrest 110° Height 84cm Length 100cm Width 70cm

Pros: space for multiple people. soft seat and back custions.

Cons: no table space. no foot rest

COMCEPT TWO:

SOFT SEAT / WACK custions for comfort

lower support war curved under to prevent user hitting CONSEPT PAREE:

Pros: comfortable due to shape, relaxing as the user constrution out on it. Durable and suitable for long-term outdoor use. Uses snapes from modernism tenown in ideation.

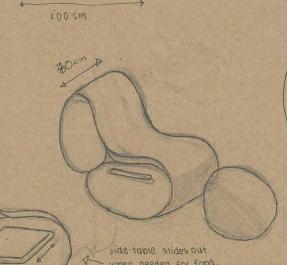
160 cm

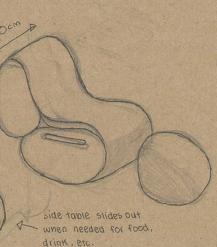
ergonomics shown through curve of seat: moids to the shape of the body



Cons: no sheller from elements. no place for food, drink etc.

seat to backrest 120° Dimensions > H = 90cm W = 74cm L = 160cm



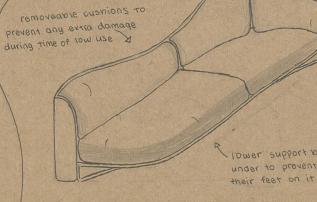


who shelter against elements

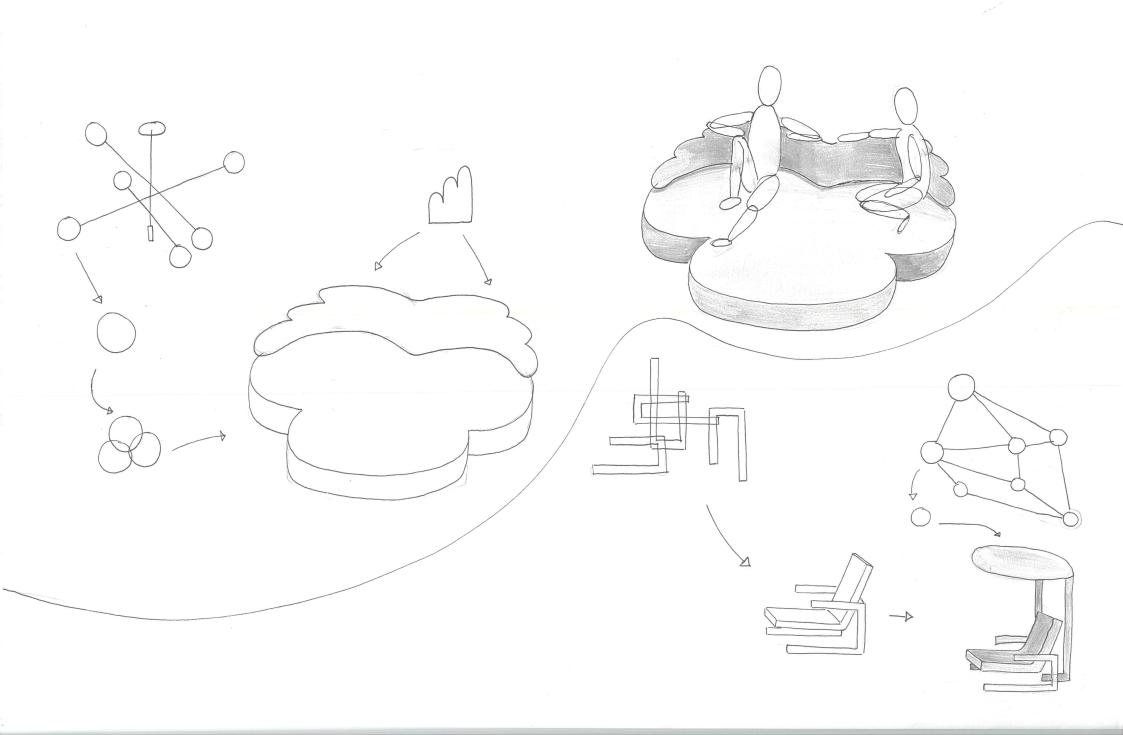
r foot rest (removeable)

removeable

foot/leg rest



## CONCEPTS



# OEVELOPMENT

100KS too much like

. an airplane seat

Shapes relate

bock to ideation

warp, crack or become

brittle. Repeis water (doesn't

expand (contract). Resistant

to 10t, decay and bugs. Easy

to care for.

cons: expensive

## MATERIALS

SUNBRELLA UPHOLSTERY Pros: durable against rain, sun, wind. Fade resistant. stain and water resistant. Resistant against mold and mildew. Easy to clean. Cons: expensive

cons: expensive

MARINE GRADE ACRYLIC CANVAS Pros: durable against rain, wind, sun.

Cons: was a specific look, not as aesthetic.

RECYCLED PLASTIC Pros: strong, wearner resistant. Doesn't fade or discolour. Easy to crean.

cons: may viow move in high wind.

Eco . friendly.

ACRYLIC FABRIC

QUICKDRY FOAM

Pros: extremely durable

and strong. Large, open

pores allow water to drain

capidly and foam to dry.

Comfortable, holds shape.

moid and fungus resistant

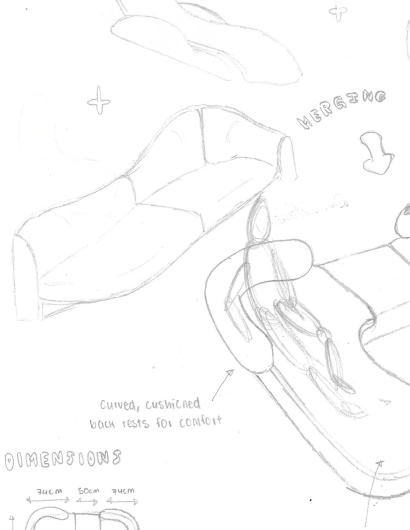
Pros: durable, strong, weather and moisture resistant. Doesn't fade. Easy to clean.

Cons: expensive

SYNTHETIC RESIN

Pros: extremely weather (esistant. Doesn't fade of discolour. Doesn't clack. Cons: may blow around/

cons: may blow around/ move in high wind.



200cm

wooden wase and water of it makes

table top space for food, drinks, magazines...

allows for

signed albitinu

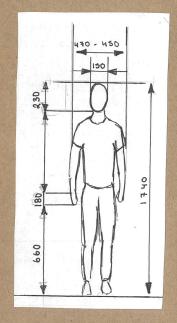
extended so user can le down without being

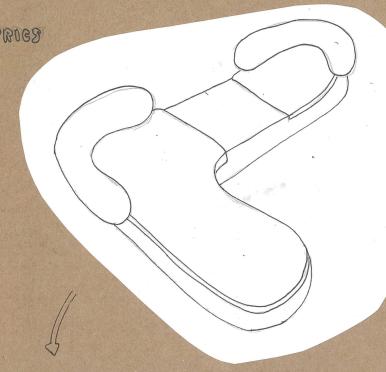
All weather custions, made from anickary found and survivella uphotstery.



# OEMELOPMENT

EDGARTAMOROGARTMA + BDOMODES

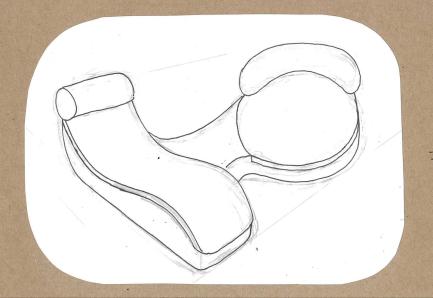


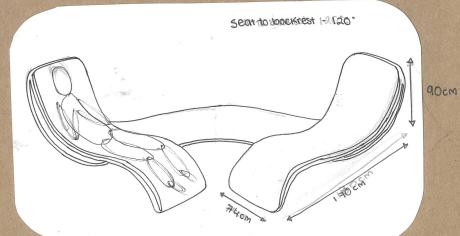


This design was too basic and looked like a piece of furniture. Inat had been done many times before.

I developed this design to snow more snapes and curves. I wanted it to look different and unique.

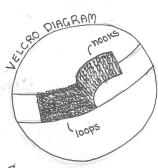
However the design 1 created from this one didn't took and flow very well. To overcome this 1 decided to take the curved lounger aspect of it and replicate it (seen in idention).

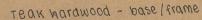




FINAL DEVELOPED DESIGN

Velcro straps

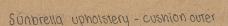




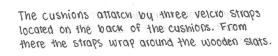
- A this wood is very strong. It will not warp or crack in the harsh NZ environment.
- it repels water so will not expand or contract. This is good for the high amount of rainfall expected.
- a) it is resistant to rot, decay and bugs, and : can be left outside
  - at it is easy to care for and clean. It can also be bent into shape.

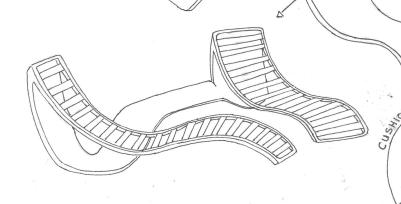
## Quick Dry foam - Cushion inner

- stremely strong and durable
- allow water to drain rapidly and foam to dry. This is good for
- it is comfortable and holds its snape
- A it is also mold and fungus resistant. Good in the damp environment.
- of foam has large, open pores which
- the rainy environment.



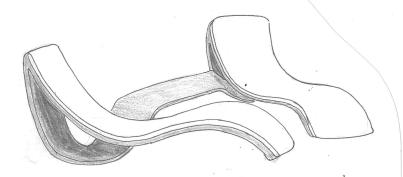
- A durable against rain, sun and wind. Good for the changing N2 environment
- => fade, stain, and water resistant.
- it is also resistant against mold and milden. Good for the damp months
- it is also easy to clean | care for.





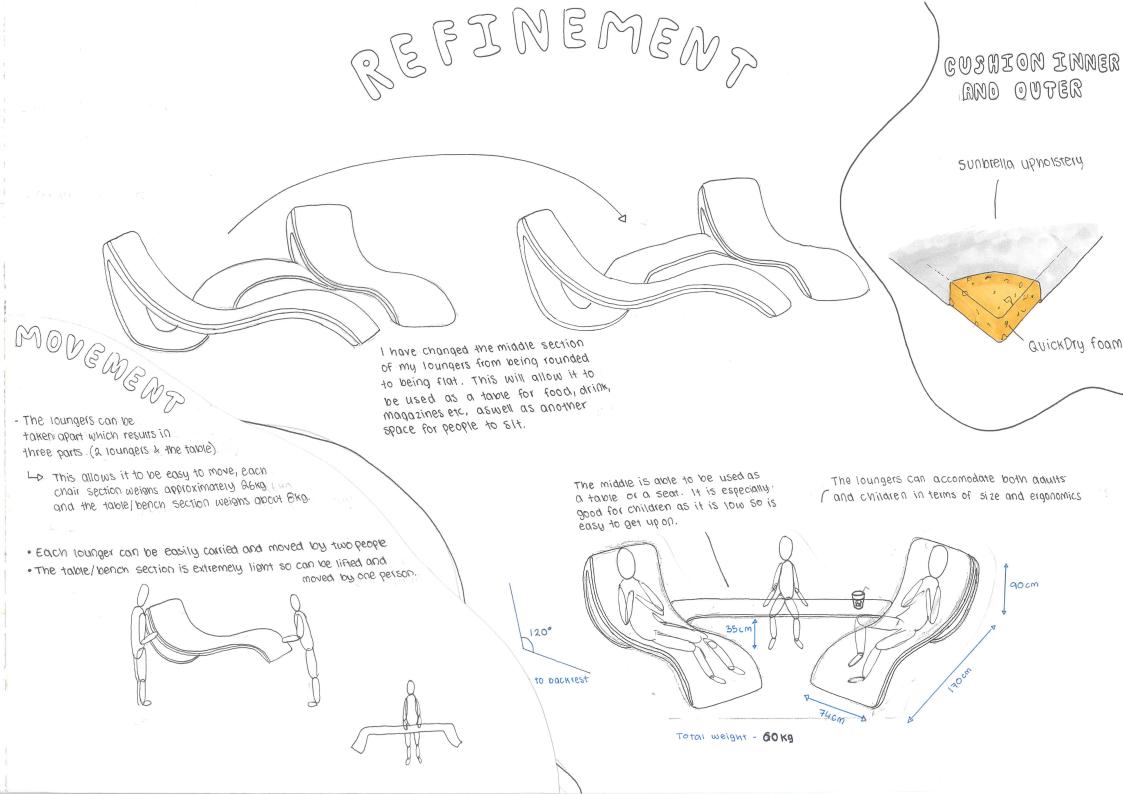
Back of cushion

The loungers have a wooden base and frame, the stats are also made out of wood and are there to support the cushions.



Caa the evshioas cone off ? Mon mill thed pe offormal





# REPARMENT CONTINUED.



This seating solution can be adapted to the users needs as it can be arranged in multiple ways



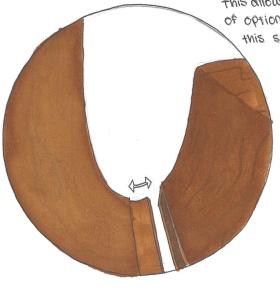


two loungers seperated

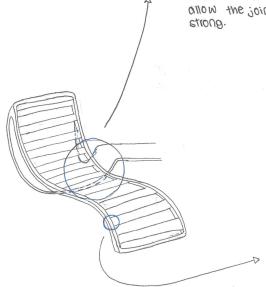
The table section can be detatched from the loungers. They have been designed so they can easily slot into and out of each other.

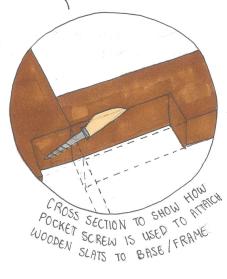
no er en de grandere en compre o cons

This allows the user to have a wide range of options for how and where to situate this seating solution on.



Pocket screws have been used to join the wooden slats of the seat onto the frame. Pocket screws allow the joinery to be hidden whilst still staying strong.

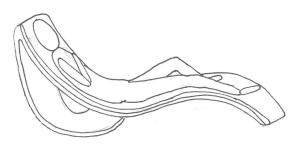




BERRAEMEN CONTINUED

## ERGONOMICS

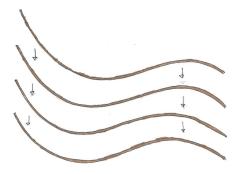
This lounger has been designed to fit the user. By applying it I am improving the users interaction with it in terms of comfort and the fact that all body sizes from children to adults can use it.





## CONSTRUCTION - CURVED WOOD

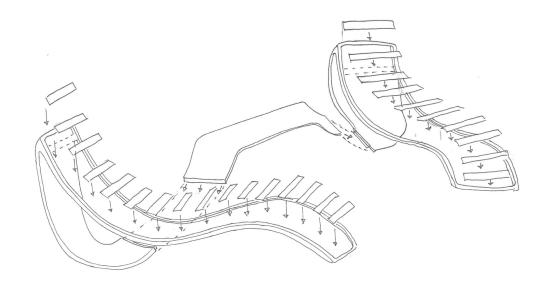
Thin layers of wood are glued together to allow the curved shape of my seating solution.



### ଉଦ୍ୟ 🖁

- By glueing the layers of wood together and crossing the grains it achieves a much higher level of rigidity.
- It is much stronger and durable
- Allows it to be curved





# FINAL DESIGN



### Merit

**Subject:** Design and Visual Communication

**Standard:** 91337

### Marker commentary

Page 1–3 of the submission focus on the exploration of ideas for an outdoor chair. Shapes have been extracted from images and existing solutions have been looked at to begin the process of developing design ideas for an outdoor chair.

Pages 4 and 5 show a range of design possibilities from the candidate that have been informed by the exploration on the previous pages. Human forms, simple shading and dimensions have been used to communicate the function and form of these ideas.

Pages 6 and 7 develop a chosen idea using 2D and 3D sketching, and a mock up to explore the idea, with some consideration to both function (human forms, dimensions) and aesthetics (materiality on the mock up).

Pages 8–13 focus on refining the idea, with a focus on functional considerations such as size and construction.

This submission is a Merit. A range of design possibilities have been generated – with the strongest evidence for divergence being seen in the development of the chosen design idea.

The visual communication uses a variety of techniques to communicate the candidate's ideas. The functional and aesthetic design qualities are clarified through the use of human forms throughout, and diagrams and details of construction.