# EMBODIED GENDER



— WALKING THROUGH TERRITORIES

— LOOKING AT MALES

— SELECTING A MALE ♀

VISITOR →

TERRITORIAL WAR !

Earns points for female visitors

# Reproduction/Embodied



↑ ✗ ↓ Movement + Motion tracking

DJ–
Jukebox
memonic
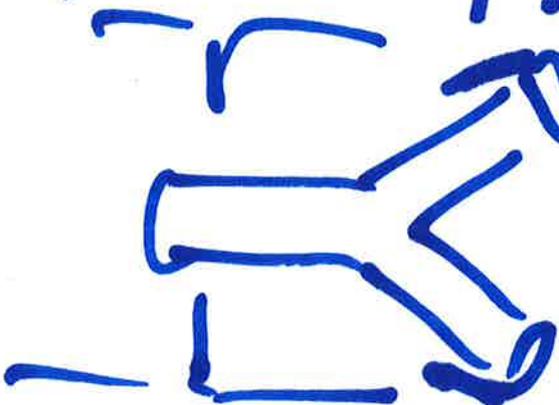
Sonation. Embodied interaction.
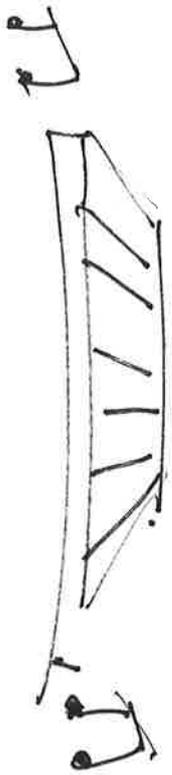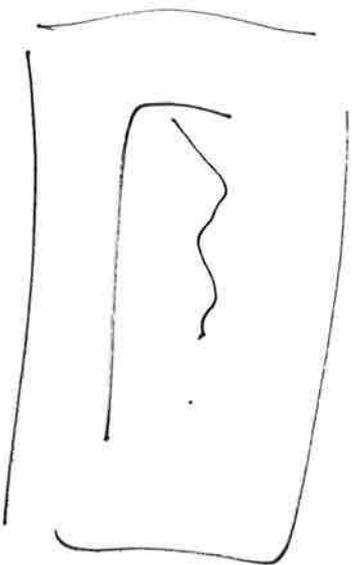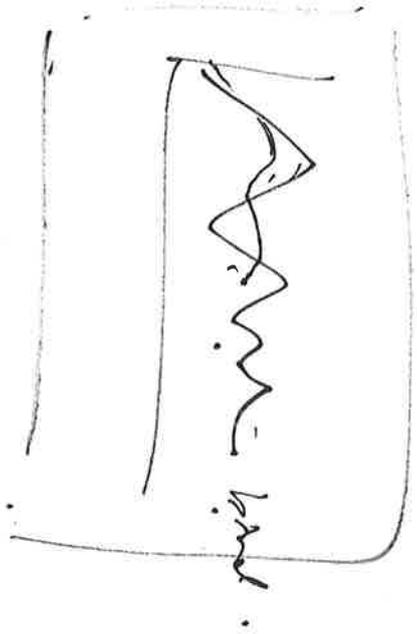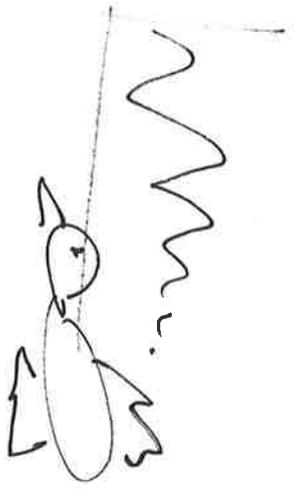
# Complexity — Embodied Int.

Box with Microphone.

How complex is your voice compared to birds?

How complex is your voice compared to y of instruments to make sounds.
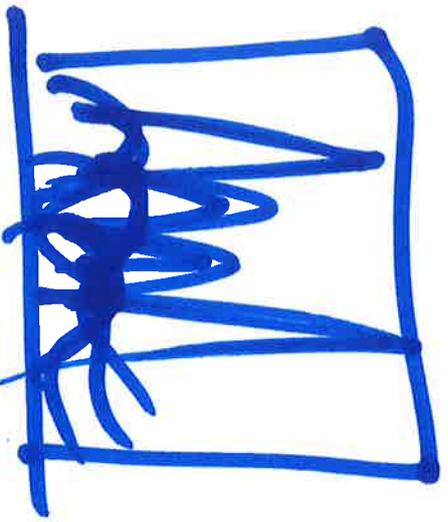


Visualization

# Gender / Embodied Interaction

Imitate "Paaungshrf" with your movement.

Visual feedback with objects coming closer / disperse
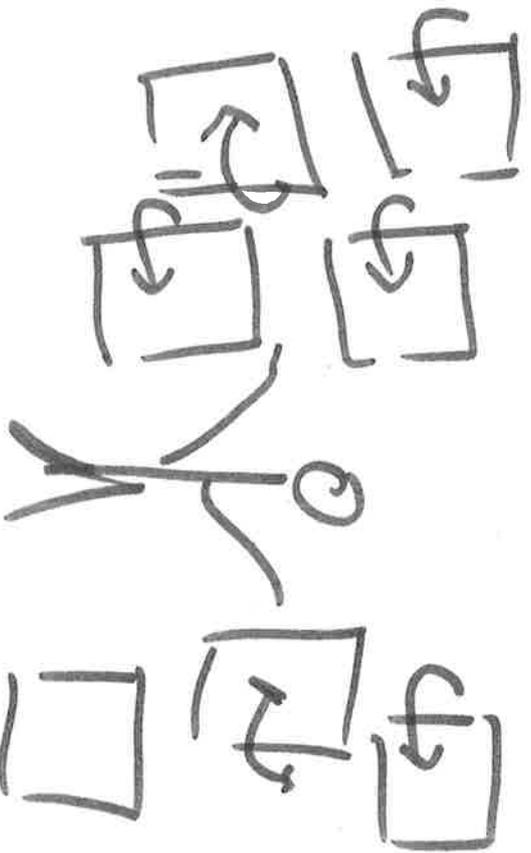


Moving objects (mirrors) in the room surrounding person and throwing towards you if you moving you if you moving attracts you.

## Embodied Interaction

(Function) how

Bird - Game ⟶ Roaring ⟶ VRBraille + skin Sound. / Bewegung
More Experince. More

# Embodied — purpose.
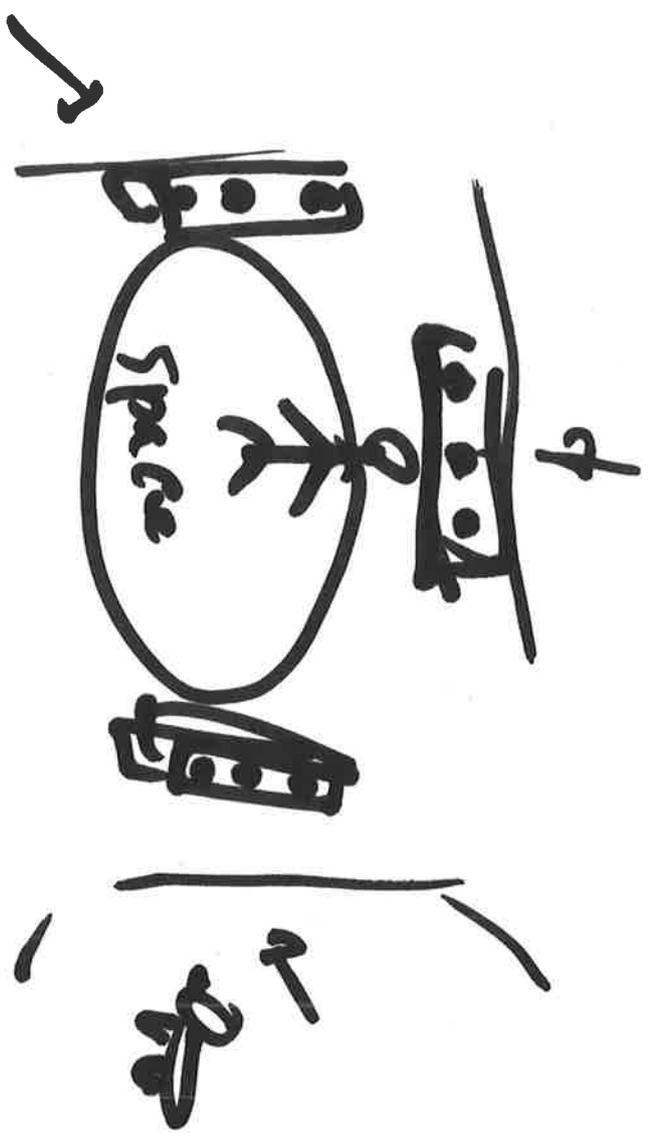


purpose : protect the territory.

way : sing back to the bird.

— learn the birds.
(push the right buttons).

>) learn ; how they sound like
(how it sounds.

Einleitung / Invitation

Dani & Vicki

Skulik ooie Activity

Man vs Bird

by moving scores
you imitate activity
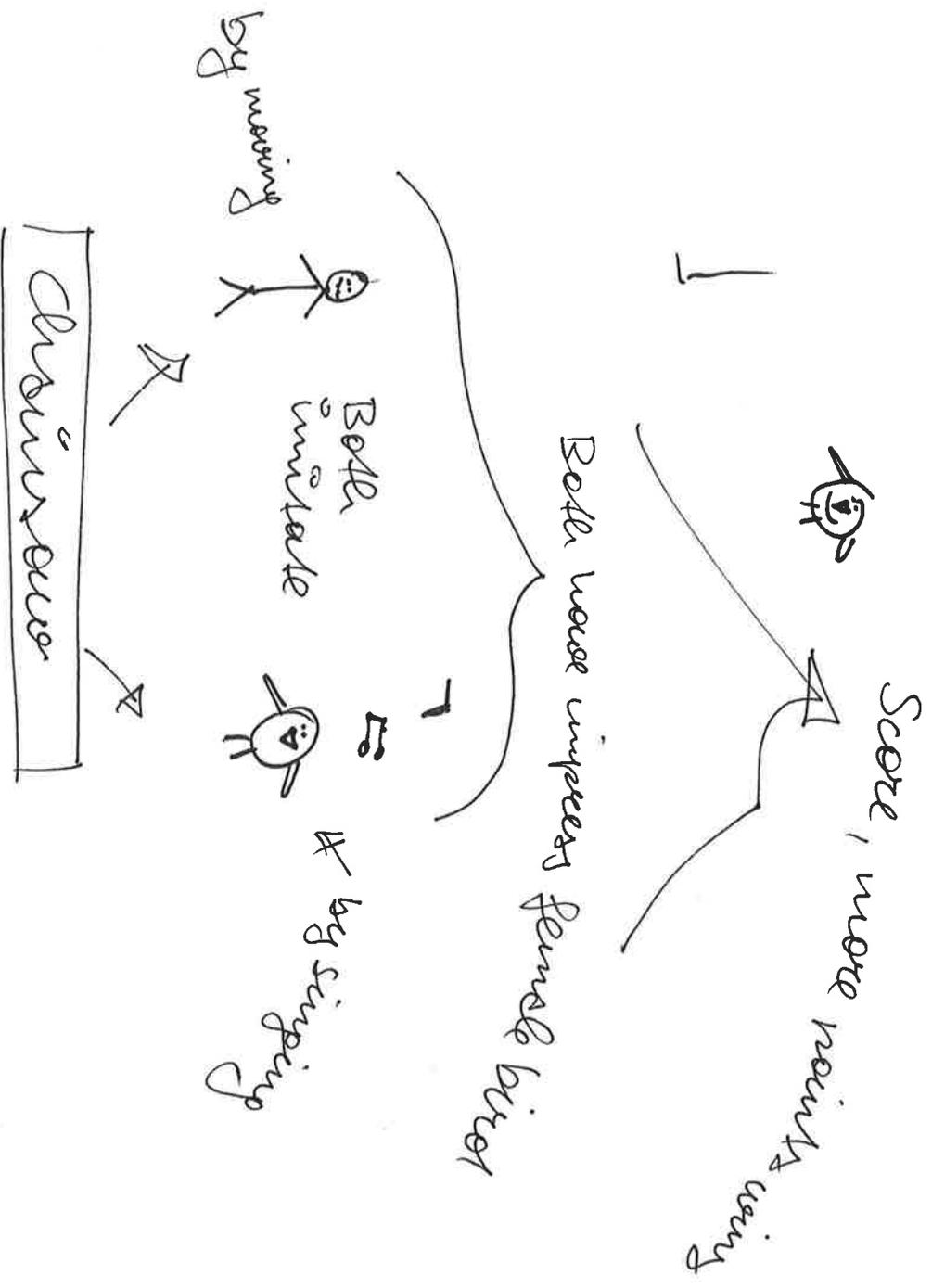
by moving

Bote
imitate

Both more impress female bird

Score, more points win

by moving

by singing

Chairoau

→ Birds,
Source house also

flock of Birds
↳ you can choose birds

swarming

swarming
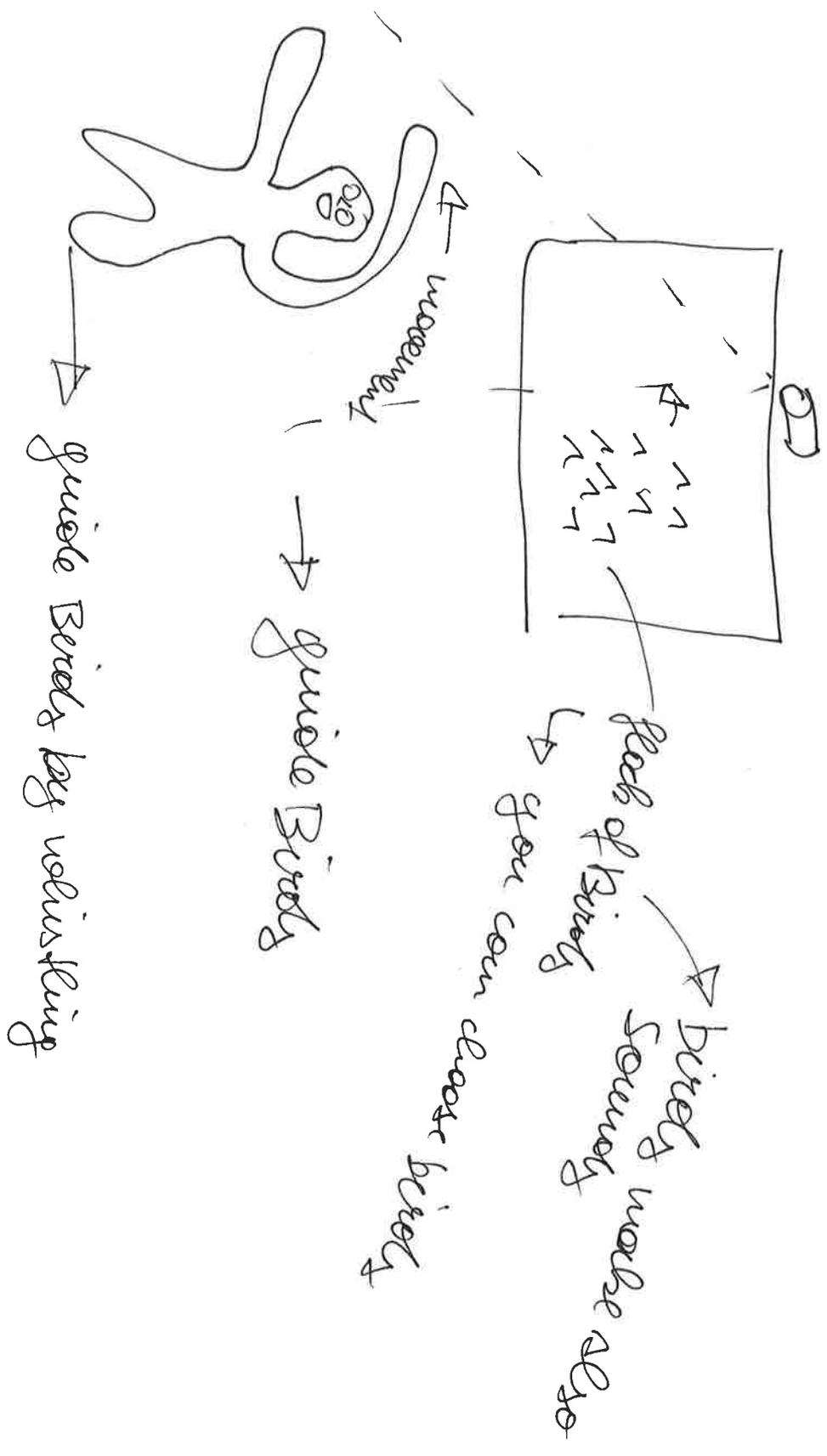
→ guide Birds

guide Birds by whistling
↳ wrong whistle → you're not guiding Birds

→ you have to follow the birds on the screen

# Imitation / Embodie Interaction

- (W)Humans are able to whistle
- Most of the time annoying → sight of
- very melodic for an animal
- Humans use instruments. happyness

- Chatpoint
- Conservation with a bird · x ←→ x
  (limited)

Embodied interaction .

sharing —

space . movement .

- Cluster together sounds
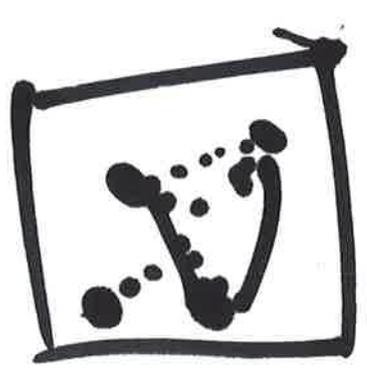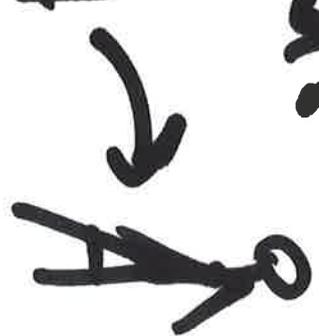
↳ Room with small
distributed audio devices
moving around , clusterly

Imitation

Embodied Interaction

imitates rhythm

embodied / intellectual repr.

1.

2.

1. iw. tate

2. direct
Conduct

invitation
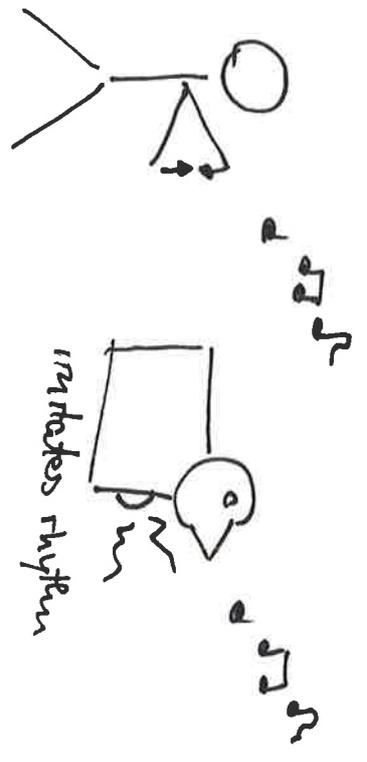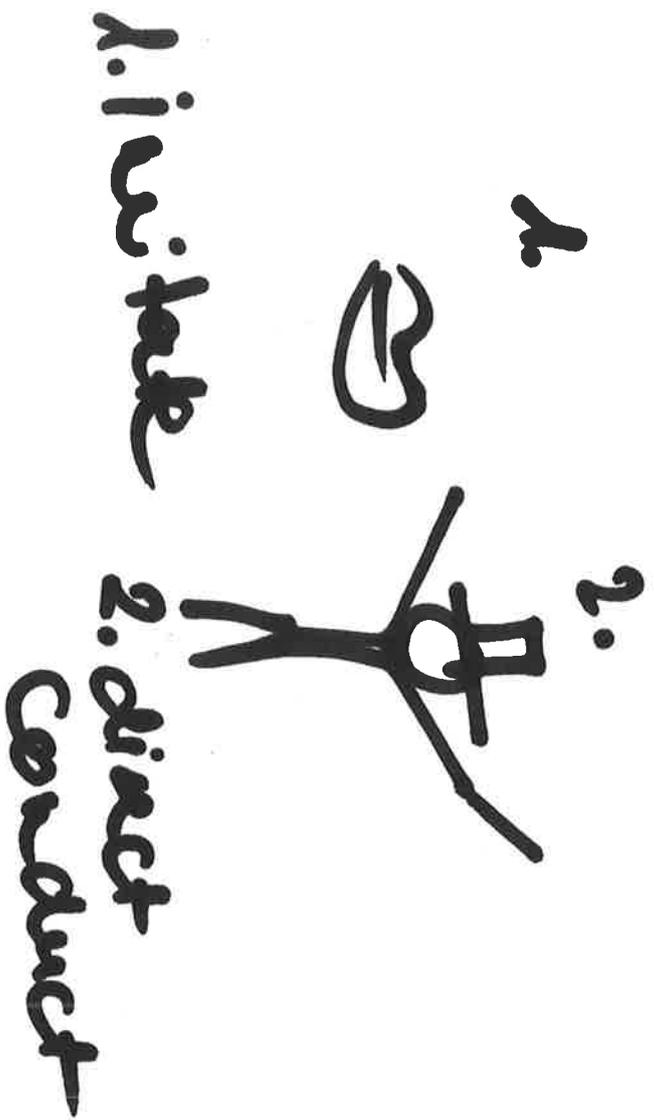
# EMBODIED PURPOSE (WHY)

SPACE WITH AN ABSTRACT BIRD THAT RESPONDS TO MOVEMENT / SOUNDS

TO BE LEARN LANGUAGE AND BEHAVIOUR
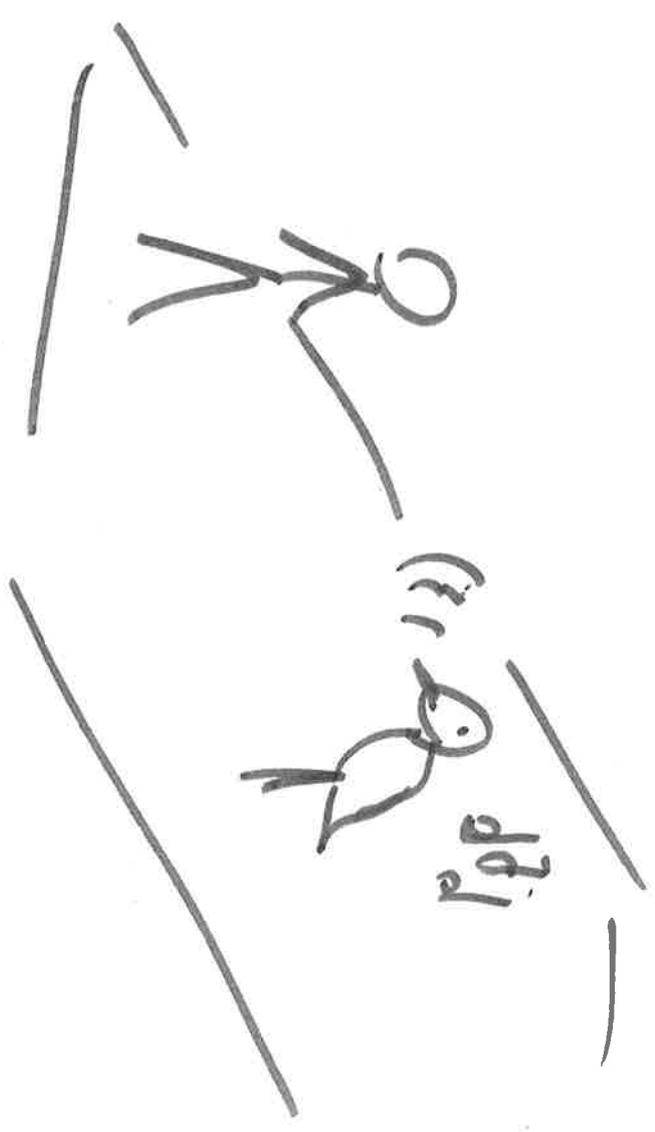
ENBODIED / FUNCTION

BE A MEMBRANE
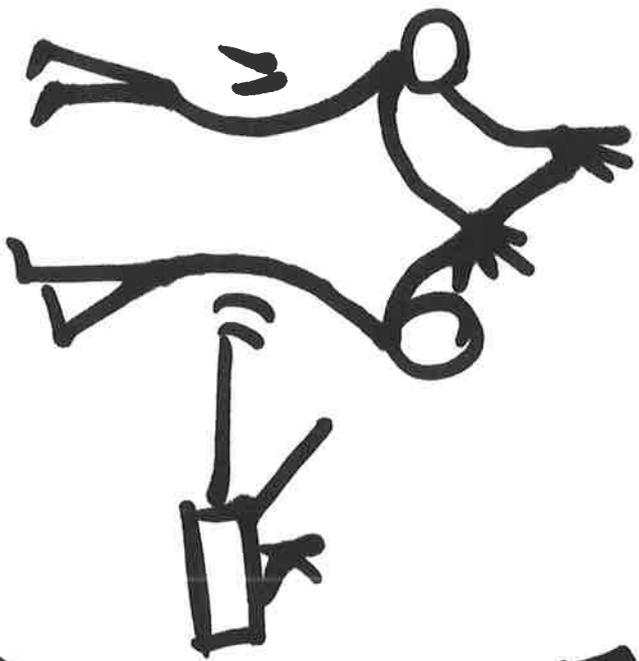
# Embodied — Complexity
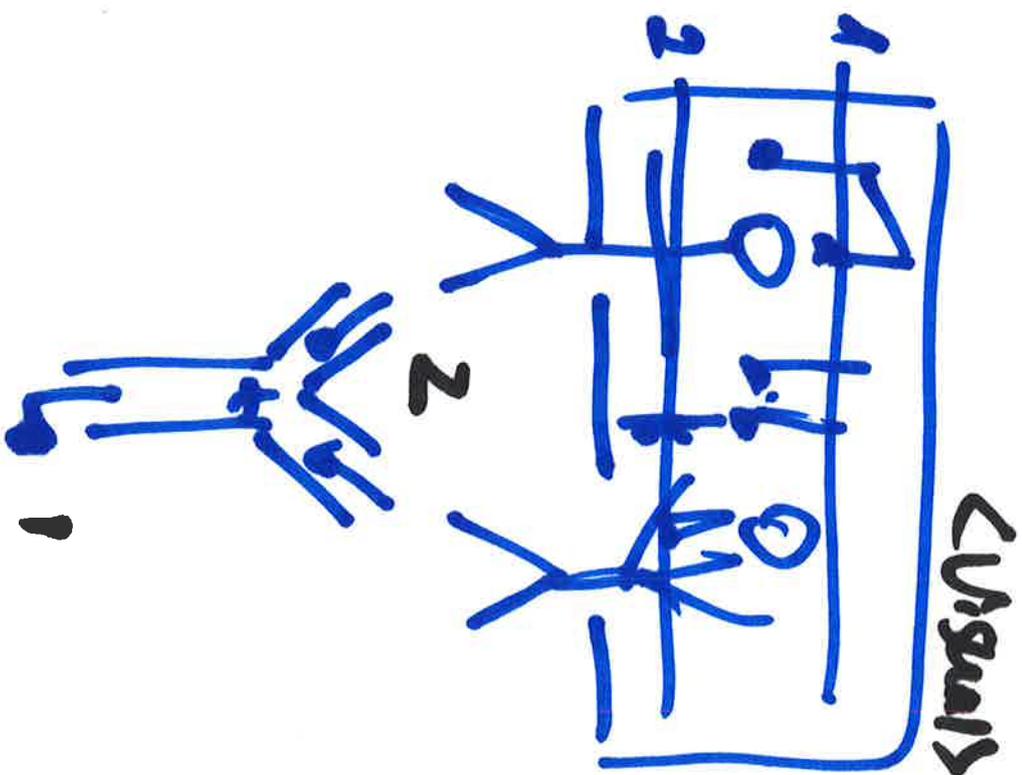
- Jivesiny

or) luvSong ↓ Coddan —
meaning.

Song

A
B

⟨ Sonic ⟩

C
D
E
f

piano

INPUT ↪ OUTPUT

⟨ visual ⟩

# Sensation / Embodied

Deni & Adri
→ you get a mission

**Body gets scanned**
you have Bird Avatar

Move around
- clapping
- raising arms
- stomping

+ Stones
+ Sticks etc

Performance depending on Bird's Mission

you can get experimental
→ olaye with stones etc

Music Sound / Machine

Tangible. Swarming.
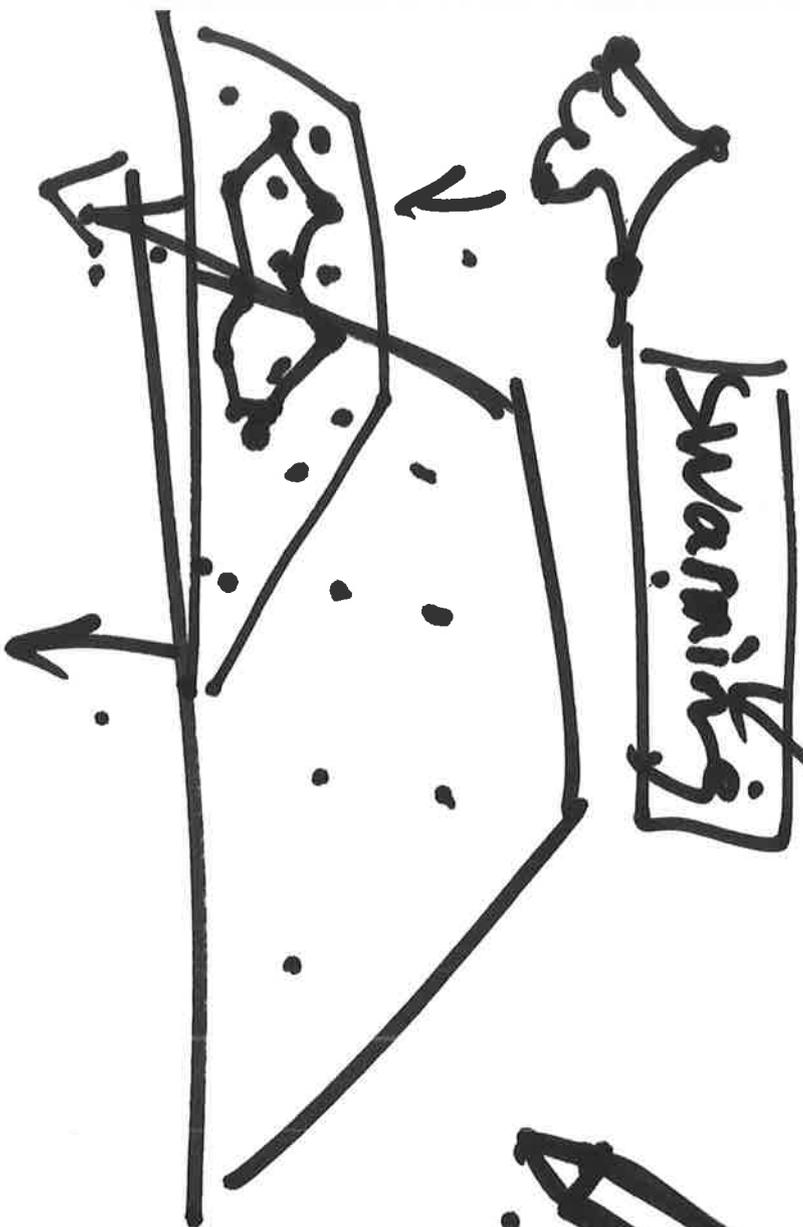
Swarming.

Electricity right draw. Control the movement of birds.

Video. birding.

# Reproduction

(people reproducing.)

Imitation

(birds imitating...)

Swarming

# VISUAL - IMITATION

## MEMORY

GAME

with imitating animals / objects

CAR SOUND

CAR VISUAL



+
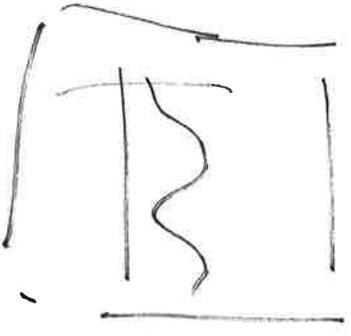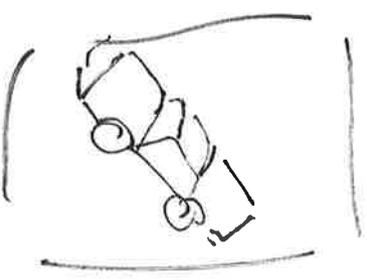
VOICE + SPEECH
+ VISUAL of
SOUND

# reproduction

Visual / graphical

- Learn bird songs
- Screen - Pick bird
- Different languages woof / woff wau wau

# swarming



visual Projection
alters on your partion
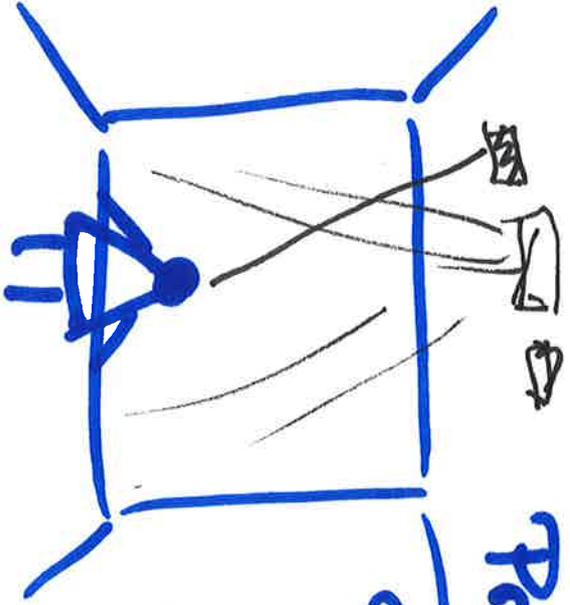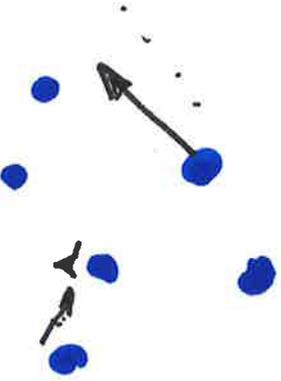
Types of birds per visitors
communicate over if it loose
look it's moving faster

# GRAPHICM - PURPOSE (WHY)

SITUATION QUIZ

SELECT OPTION
(COULD BE
SOUND/PURPOSE)

WALKING BIRD
THAT DISCOVERS
OBJECTS/ANIMALS
AND REACTS
VIOLENCY

# Gender. Visual.

difference.

Simulation
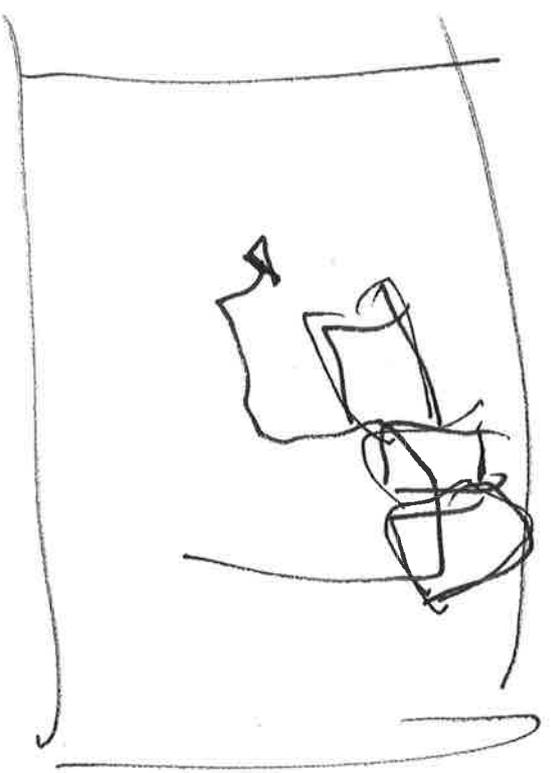


Calls in. one song.

allow people
to choose.

F

# Function / Visual

Visual that you don't see bg normaly

Point of view of Birds.

# VISUAL

## CONTEXITY

Law

O2

RESEARCH

CONTINUING PORTRAYAL

Better
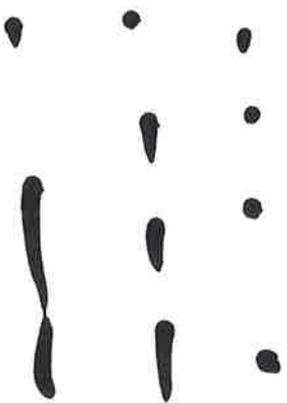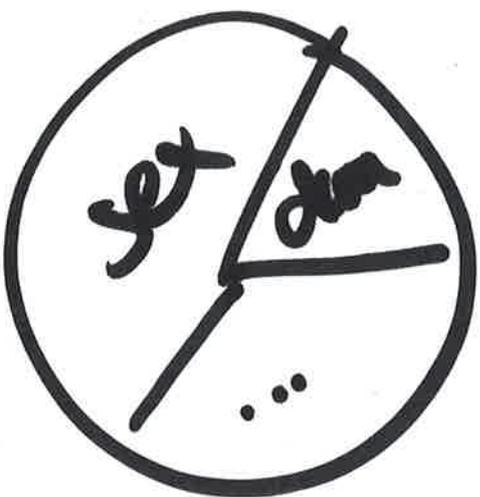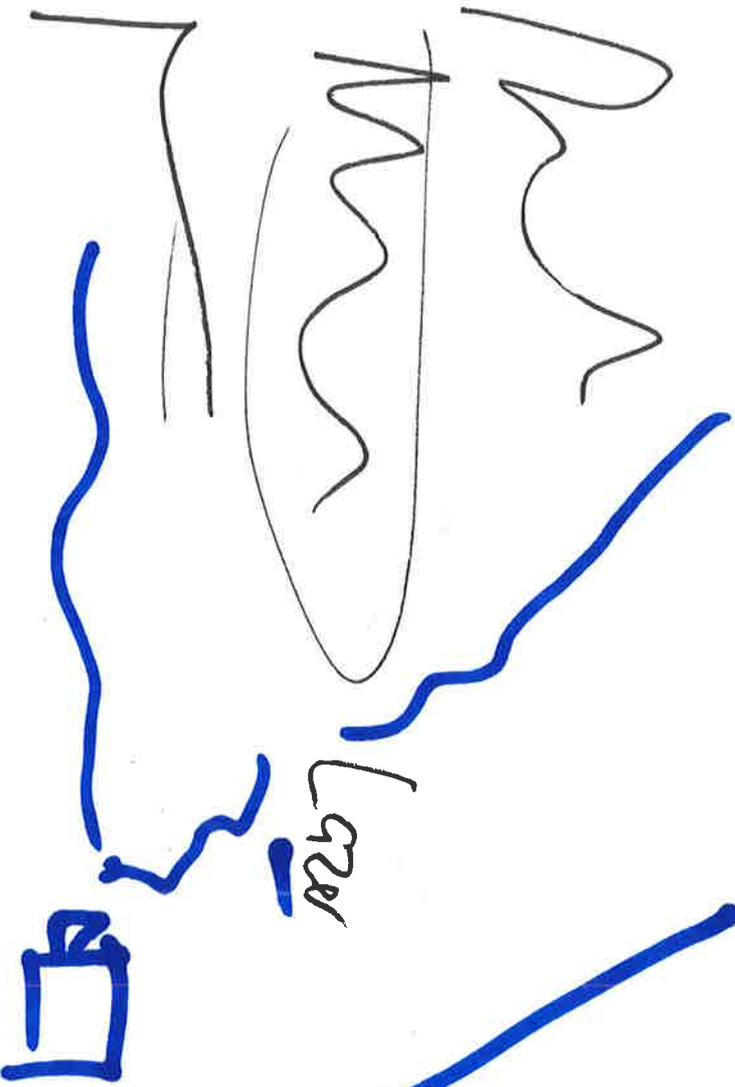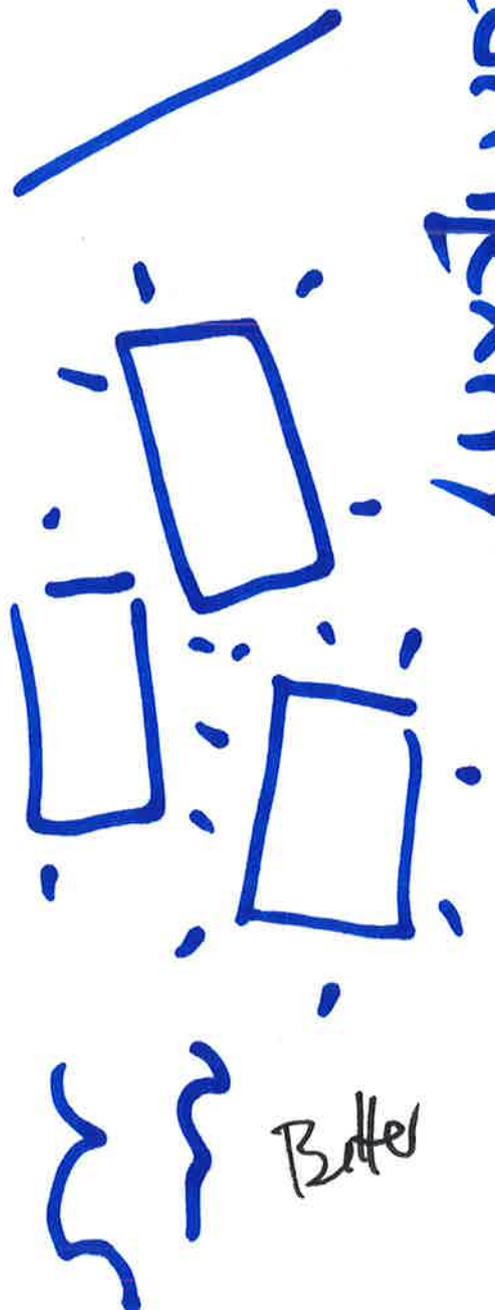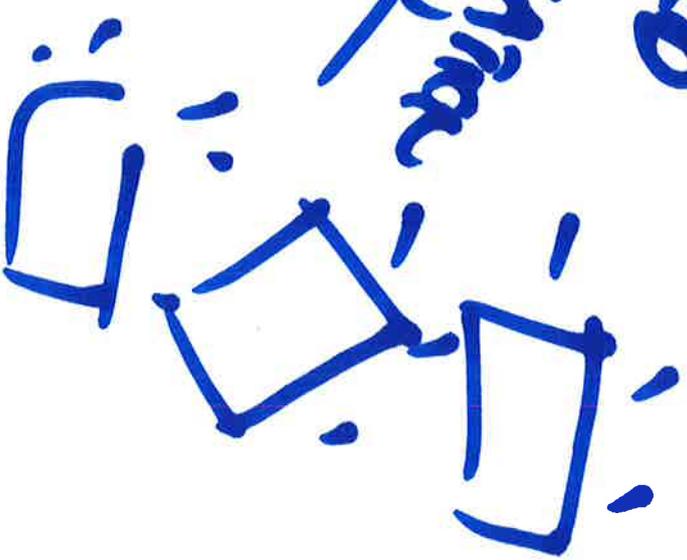
Visuals / Sonation

Sounds without ⟶ ⟶ Specht

⟶ Flügel - Klatscher

⟶ Trommel - Vogel

⟶ Birds - nest - Pinpt with blue trash
↳ Ästefisch

Gender / GraphicalVisual (

Visuelle Unterschied M.-W. (color, form...)

Sonogram compare (Pitch, Loudness, Complexity)

correlation (sound / Appearance)

# Complexity / Visual

Dani & Hesse

complexity increases / decreases
denoting how many people
talk / walk / move etc ...

Sonogram

Screen

Simple

Generative
procedure

complexity increases

Visual ← Sounderstm

Screen

Proj

X brian phone / In parametere.
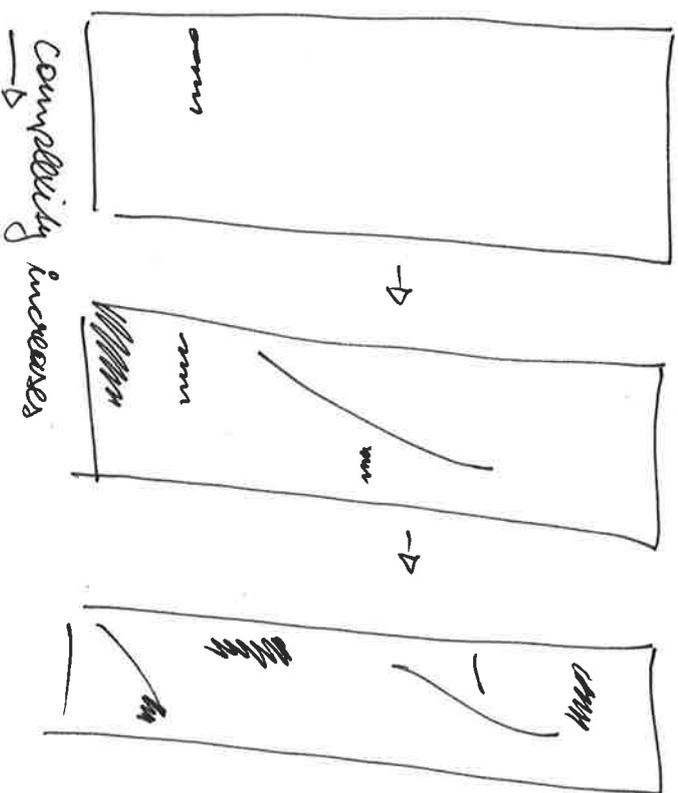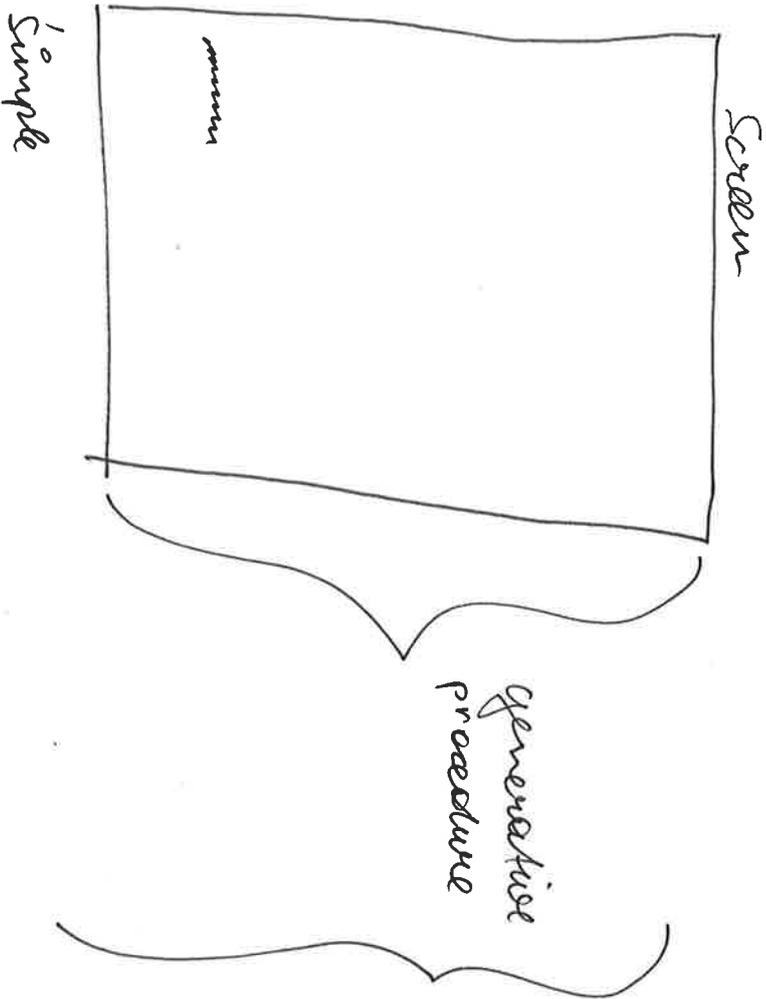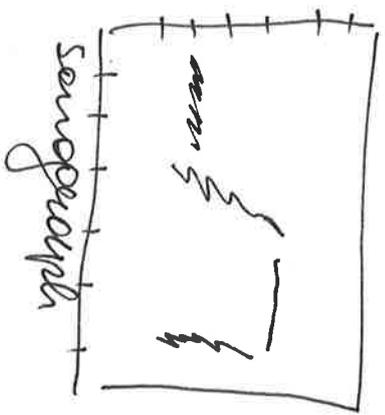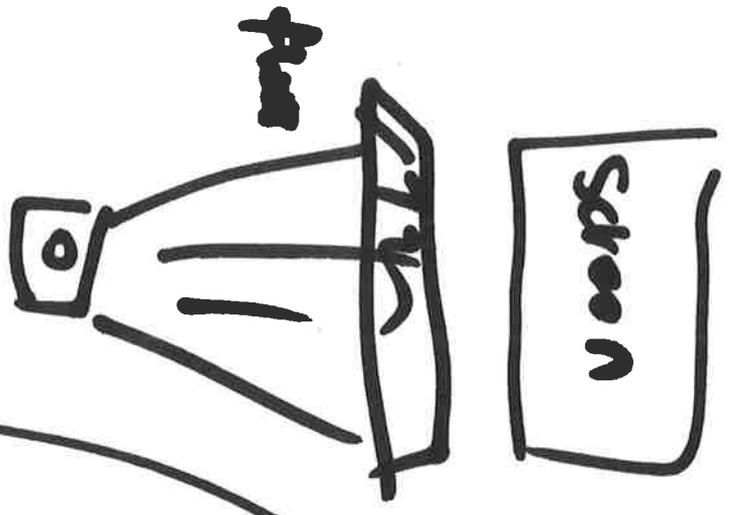
mimic some bird sound

(Behavior)

graphical way (nares)

When human baby create sound

(game) DDR

Sound

melodies

Purpose / Visuals

- Territory patterns map

- Complex Information

Key - Sounds / Behavior - Bucklet

Reproduction · Visual ·
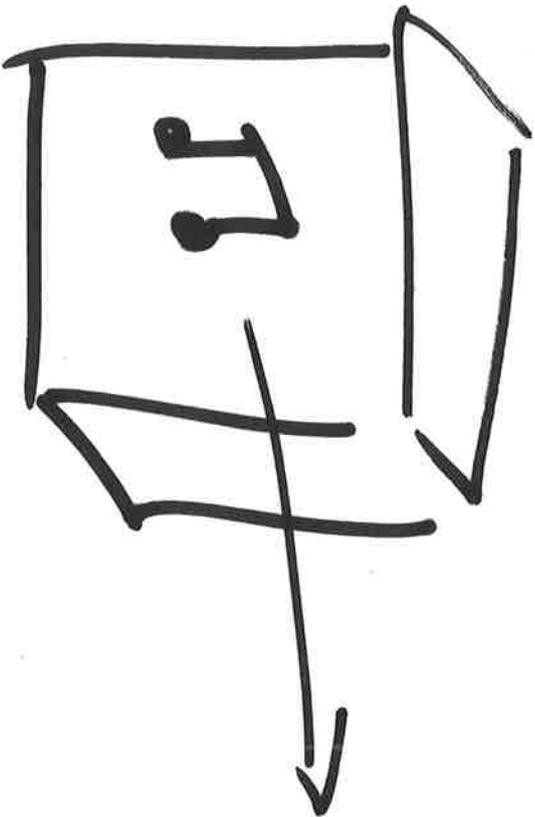
sing song · imitate · birdsong ·

IT

screen · abstract · gap

# Imitation / Visual & Graphical

Imitation

Puzzle Memory

Original

Original first idea ©
everything else was copies
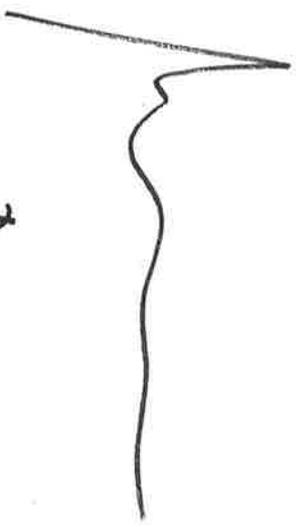
Map
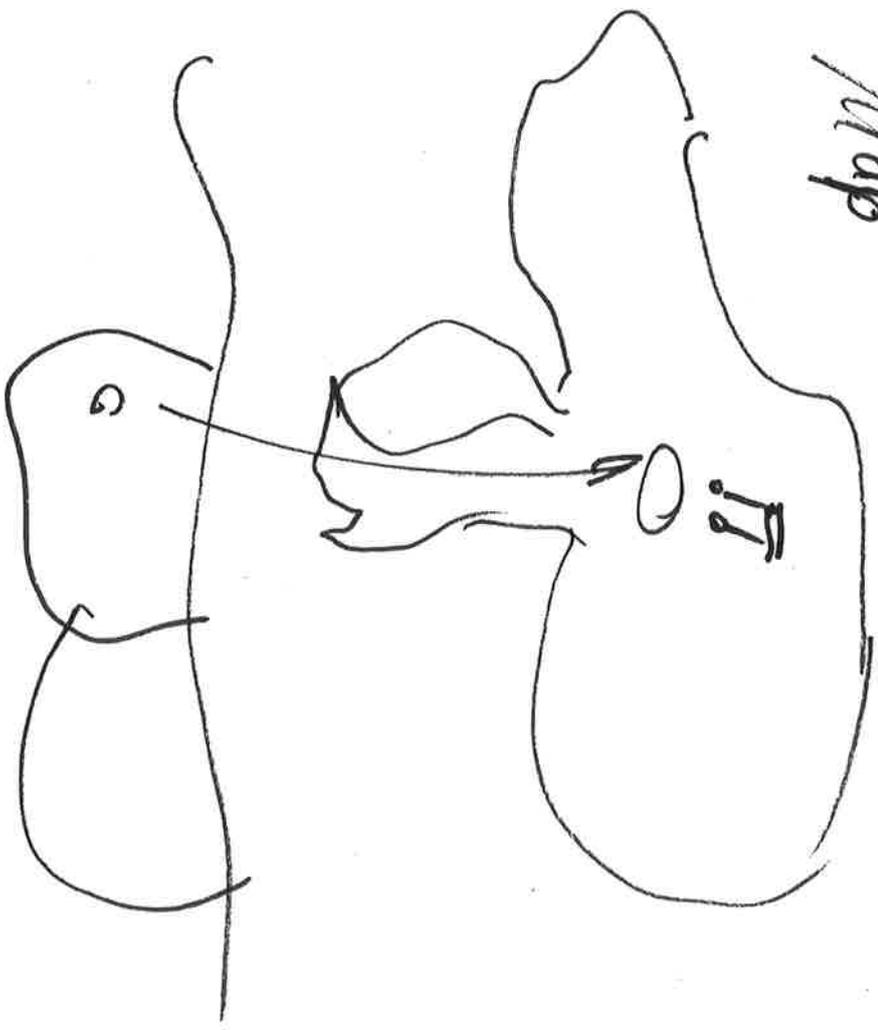
Origin of original copy

(+) Sonic design (but Sound)

Sound of each source point :
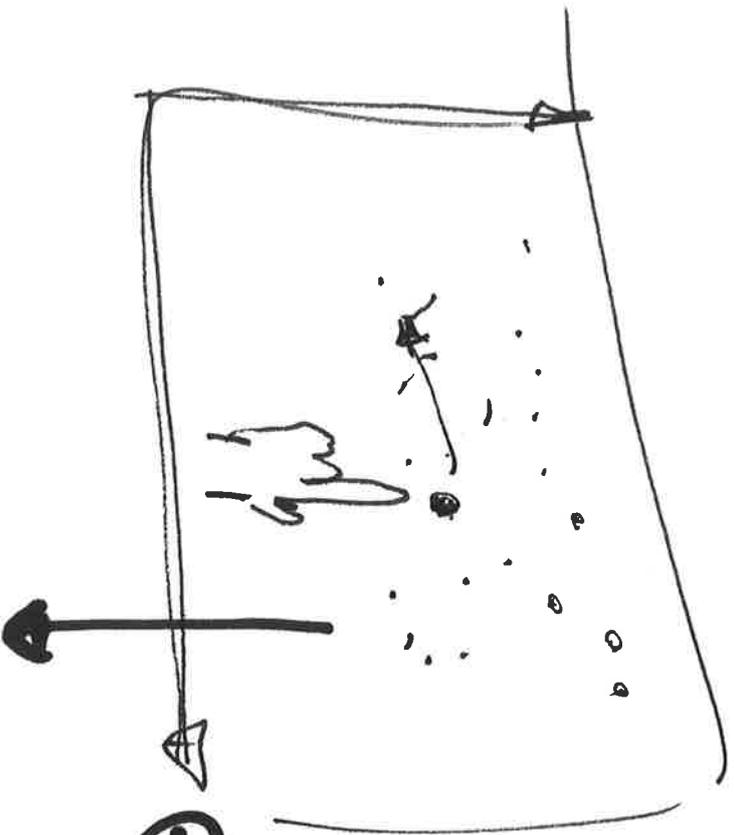
↳ Choose music (position)

- Aesthetics image (sound).
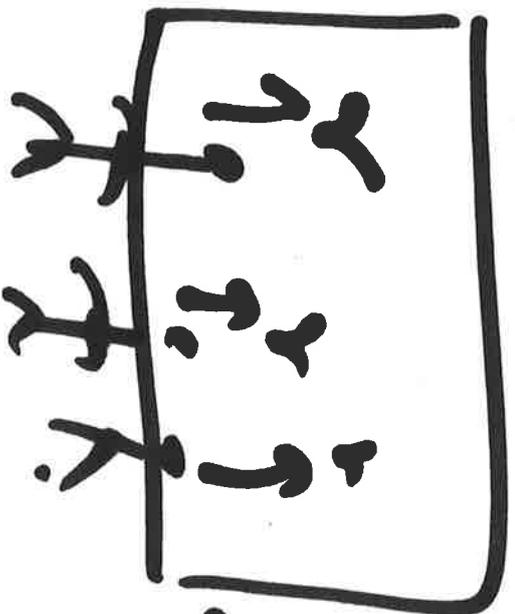
# Tangible User Interfaces

TANGIBLE | HOW (FUNCTION)
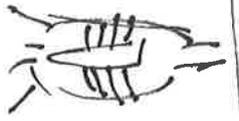


EDUCATING FUNCTIONS of SOUND ORGAN

A MODEL WHICH A TANGIBLE AND CONTROLLABLE
AND THEN CREATES SOUND OF BIRDS

MAKING TUNES / STORING DIFFERENT TONES / SPECIES

SYNIX

∩

∅
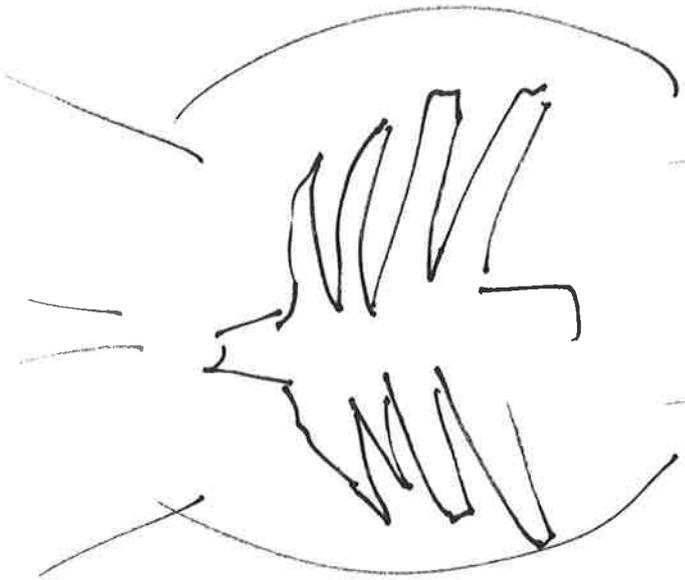
# Complexity/Tangible Interface

"Sound (Bird)"

Create your own bird sounds
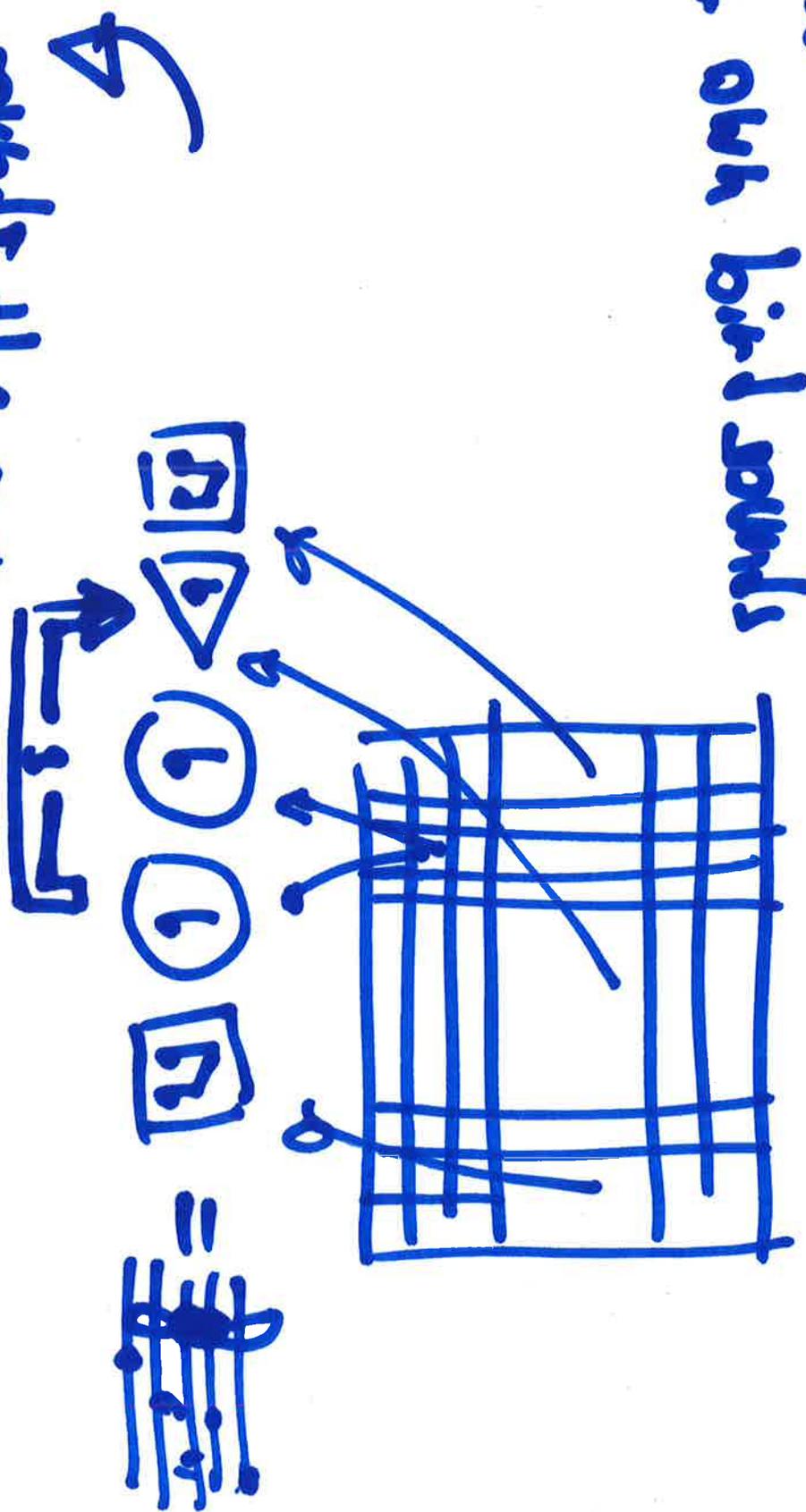


which bird sounds the most
like this?

# Sonation

## Tangible UI

- Sound memory
- Reproducing sounds with different materials.
- Samples sequence to produce various sound scapes

Tangible / Complexity
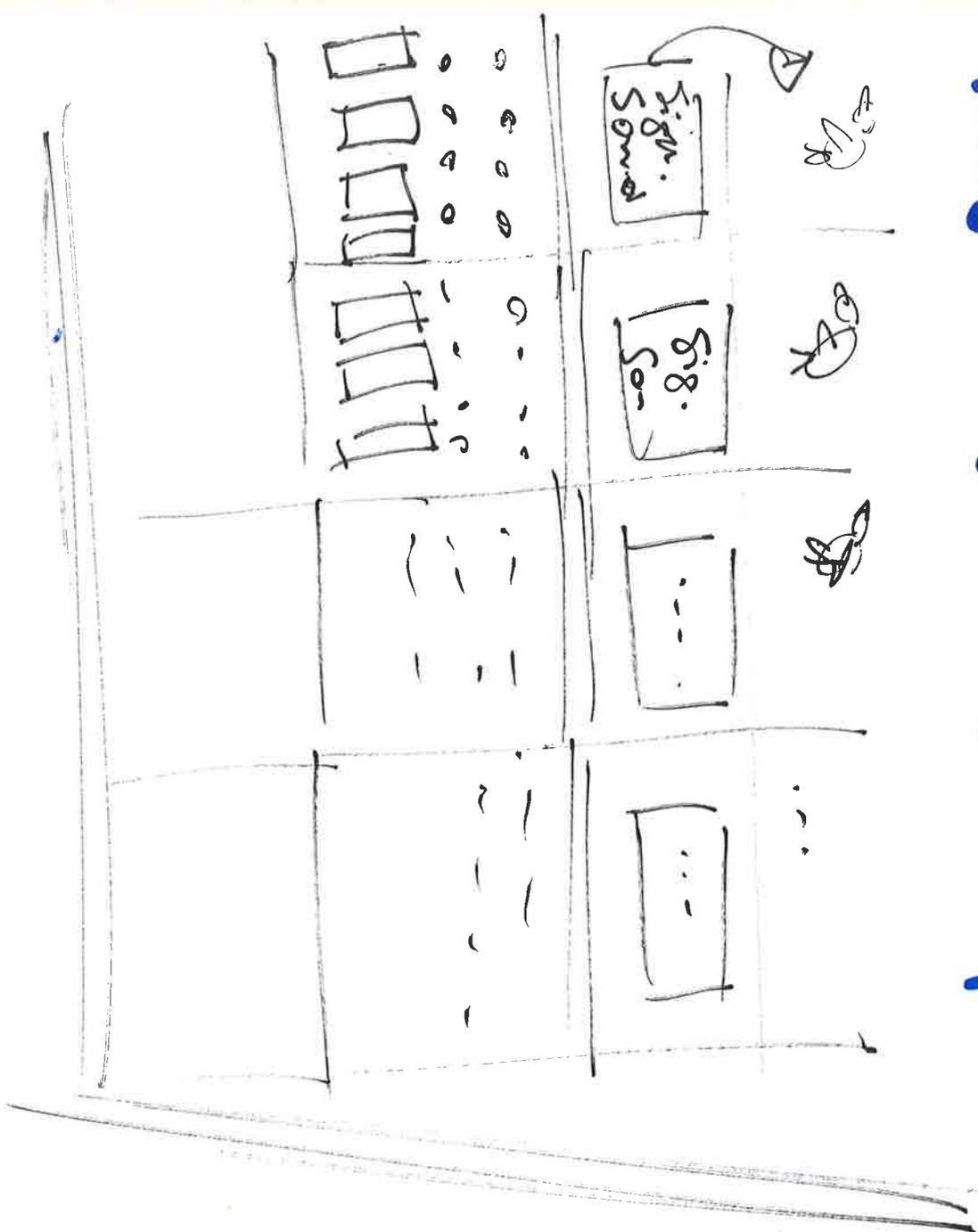
"Bird 03"

Tangible . Function .

Tangible — Intention

BIRD CHAINSAW
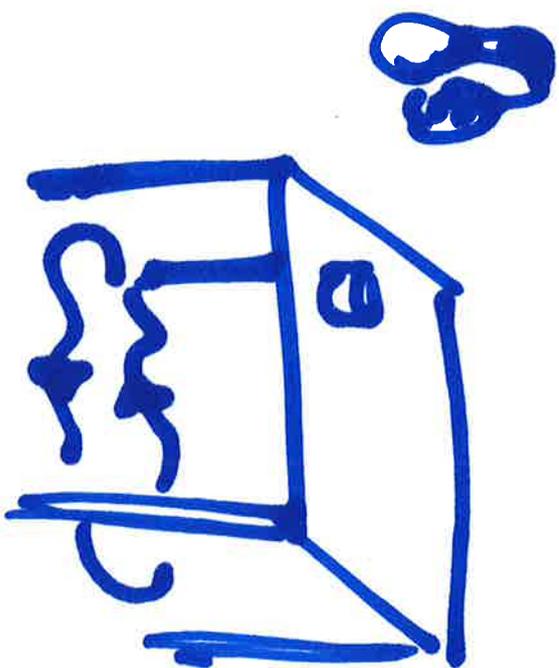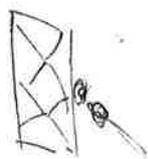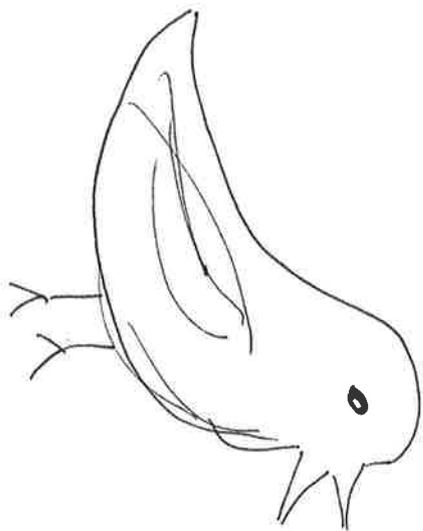
OR PLACE BIRD IN
SITUATION

MIX SPECIES WITH
AN EXISTING SOUND
WITH TANGIBLE BLOCKS

# Reproduction / Tangible

Deni & Jérôme

Bird Sounds

1
2
3
4
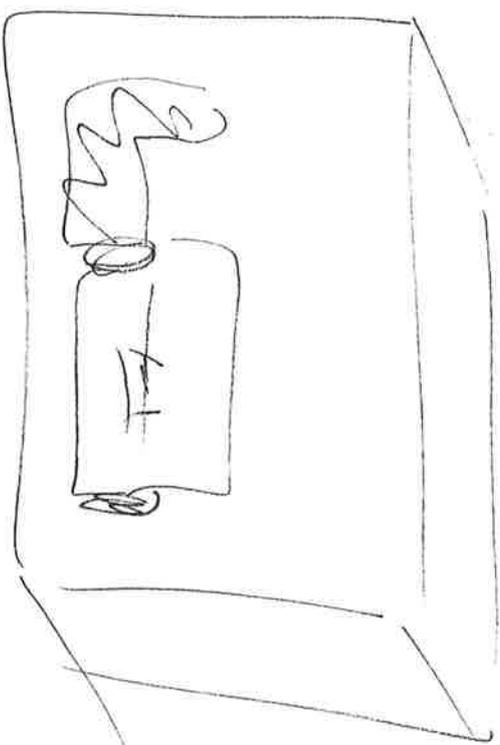
Example Sound
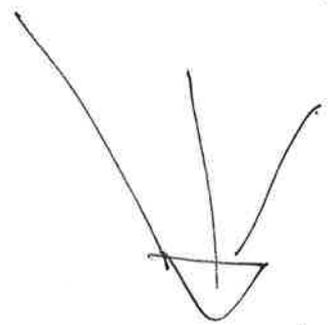
4 Objects

1 sound

Where is/
shape is
etc
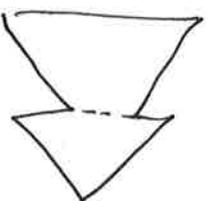
comparison
spectrogram

most similar
wins

swarming

tangible UI

create Shapes with your Hands

# CARLO & DANI
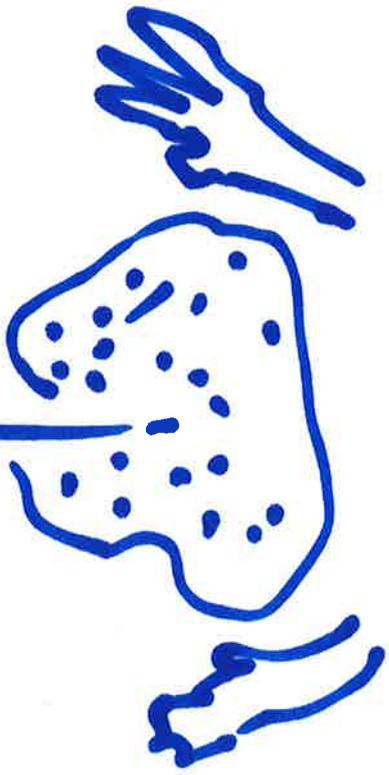
Invasion / Tangible

- Formable object into shape ex. chainsaw, Hulk-figure, car
  ↳ Scanning it and the blub reproduces it



gets scanned
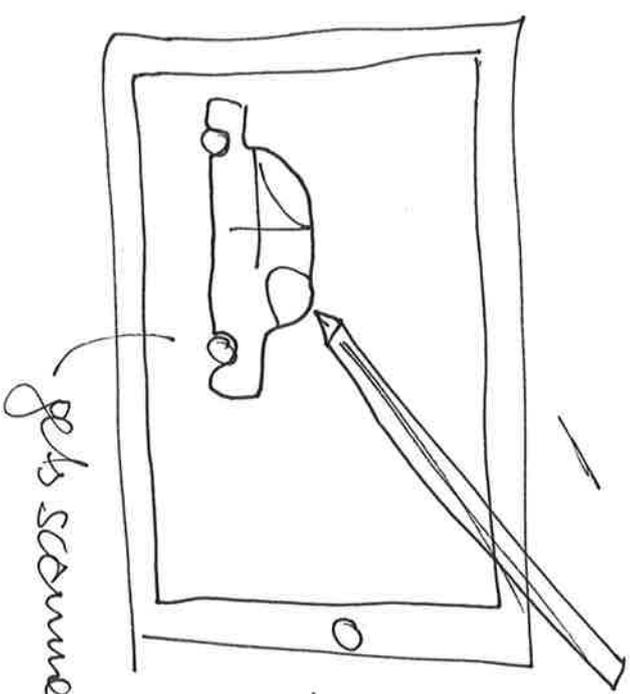
Program interprets → & reproduces

- Teaching a "bird" flying around the room with different objects sound and it color imitate those sounds

# Tangible — Reproduction
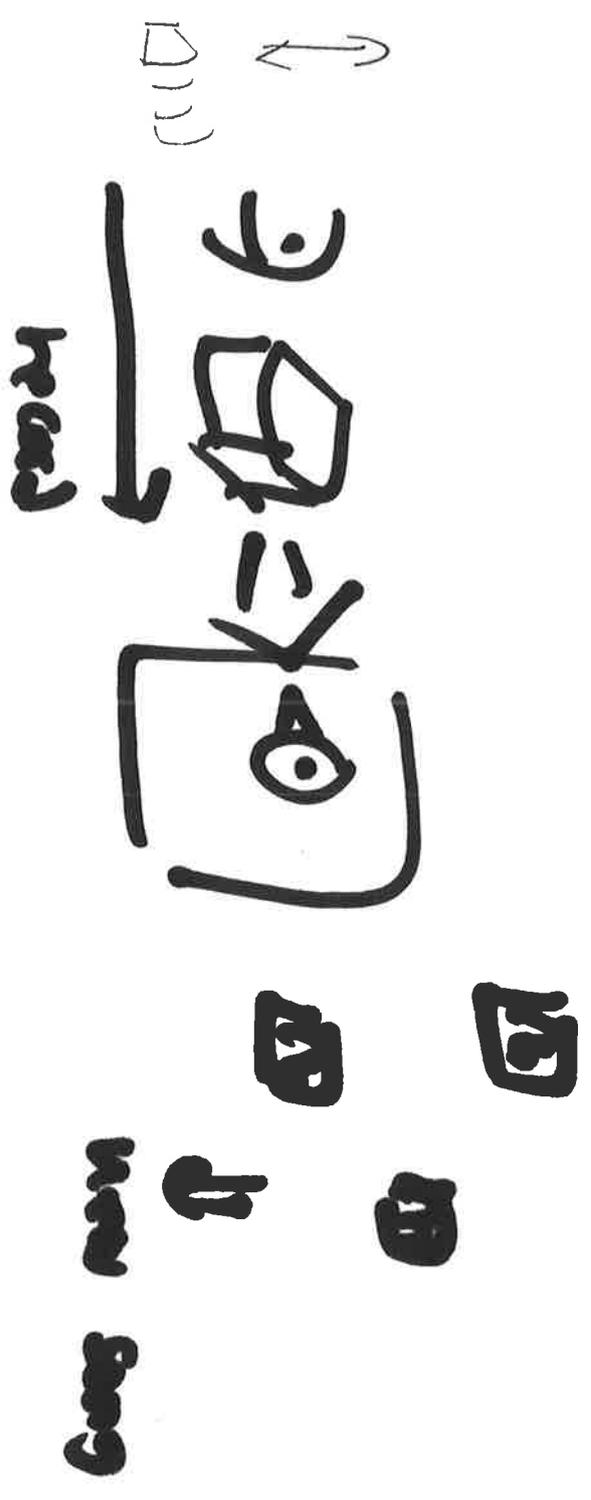


read

mission
rules
catch a bird

Units —

Purpose

Tangible IE.

- Game where you produce eggs on different purposes (find mate)

Tangible — Gesture

( gesture )

- Select

Activate GM.

Choose the most attractive Sound

in the birds.

name birds.



1) Tap

2) phone the bird

The most attractive Song
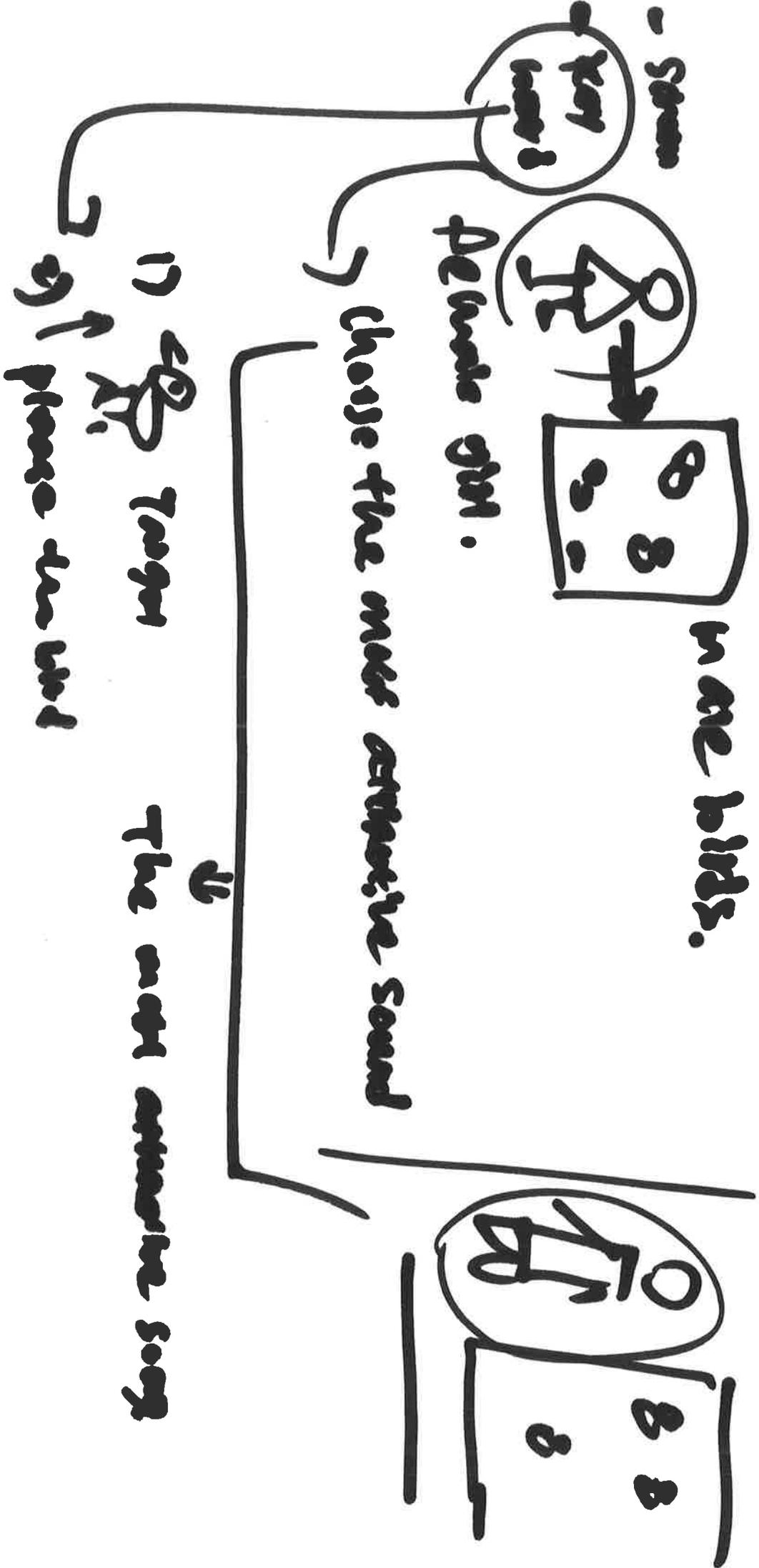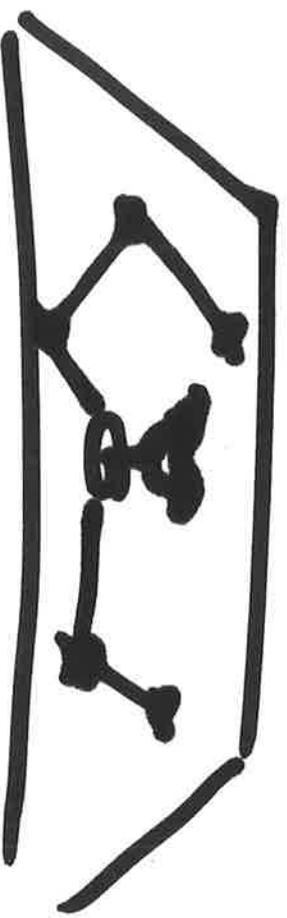
GENDER / TANGIBLE



DIFFERENT TYPES
ENDING BY SONG

TANGIBLE / PURPOSE

FIND THE NEST BY LISTENING
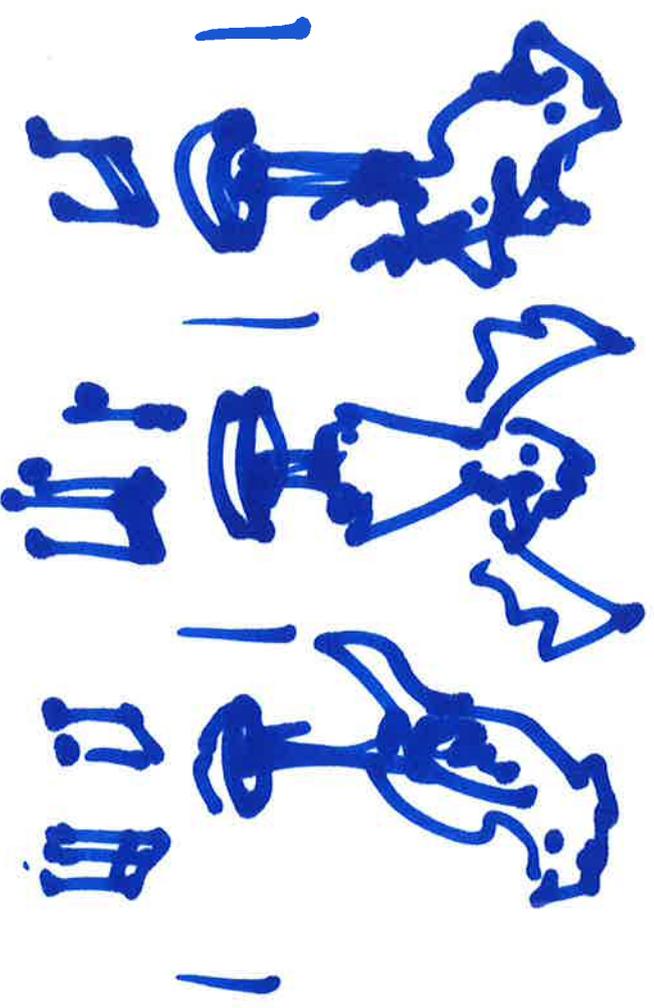


Sound memory
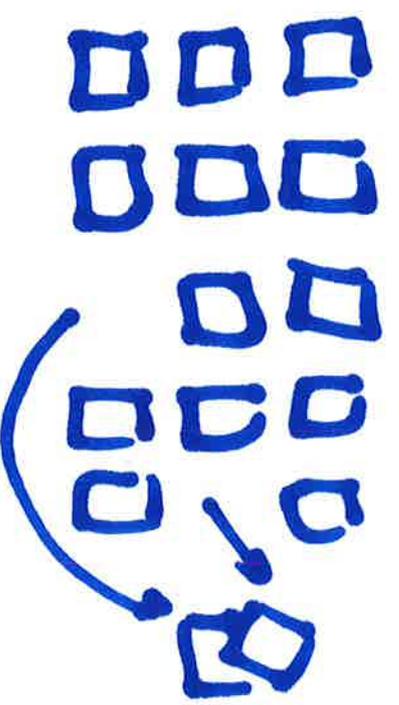
Sonation

Function
(how...)

Complexity

Visual / Graphical

Purposes (why)

Gender

# Embodied Interaction