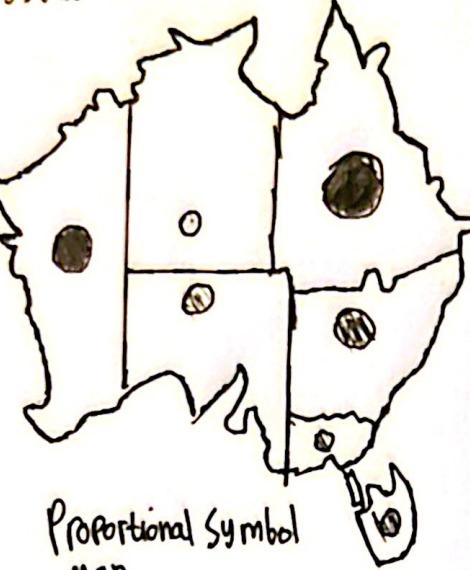


IDEAS

* Animal Species richness by State

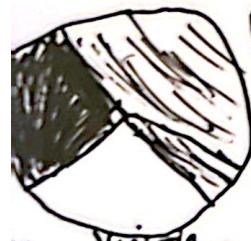


Choropleth Map



Proportional Symbol Map

* Groups that make up the diversity (Amount of species types per state)



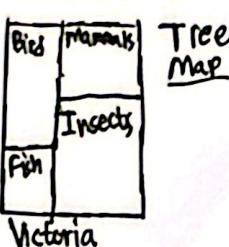
Pie Chart

- Insects
- Birds
- Fish



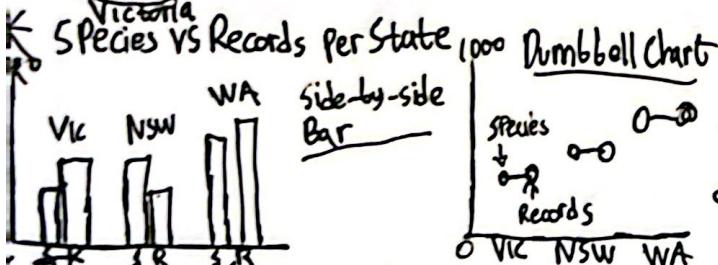
Donut Chart

- Insects
- Birds
- Fish



Treemap

Victoria

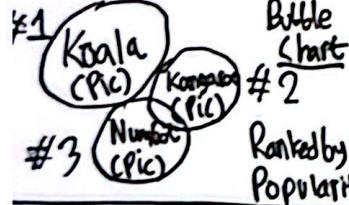


Threatened Status per group

Stacked Bar Charts (Per Group)

- Critically Endangered
- Extinct

Popular but Endangered



CATEGORIZE

Species Count per State
= Proportional Symbol Map

Initial view

transition towards

Threatened Status per group
= Marimekko

←

Popular but Endangered
= Ranked Bubble Chart

Amount of Species Groups per State
= Donut Chart

Toggleable per state

Species vs Records per State
= Dumbbell chart

See context of discovery effort

COMBINE & REFINER

Legend



QUESTIONS

1. Does these visualisation convey the details about Australia's animal species well? Does it raise concerns about the preservation of these animals?

2. Is the implementation of these bioms possible?

Firza Pradipta Atalla SHEET 1

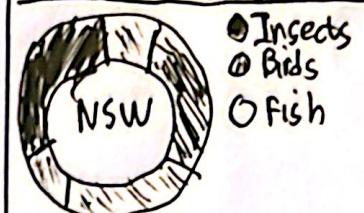
33989591

FILTER



Species count per state

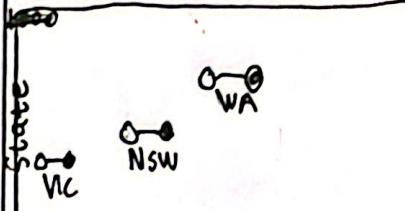
Amount of Species Types per State



NSW

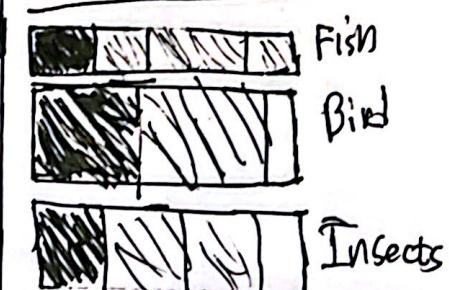
- Insects
- Birds
- Fish

Species vs Records per State

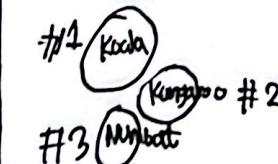


Count

Threatened Status Per Group



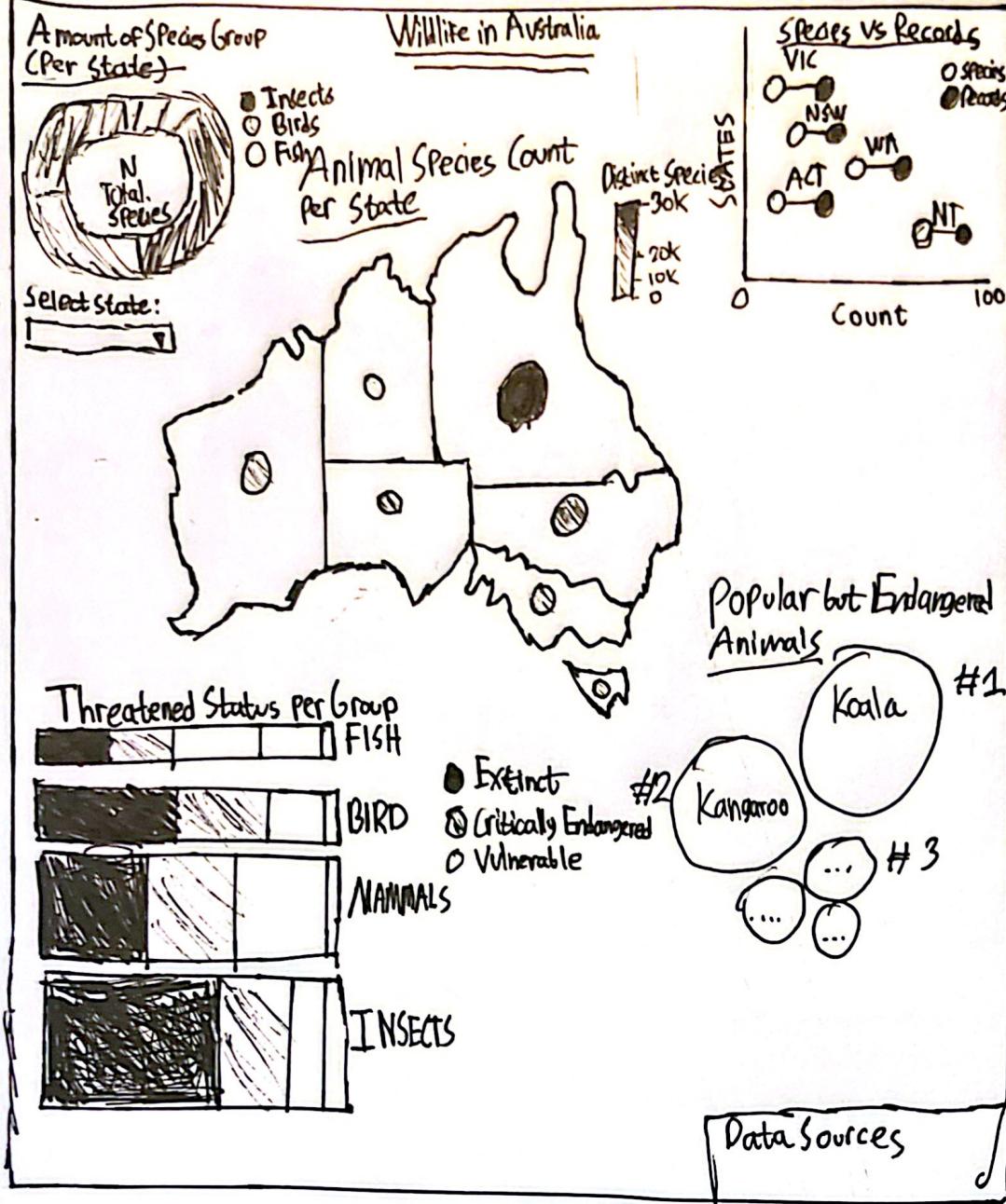
Popular but Endangered



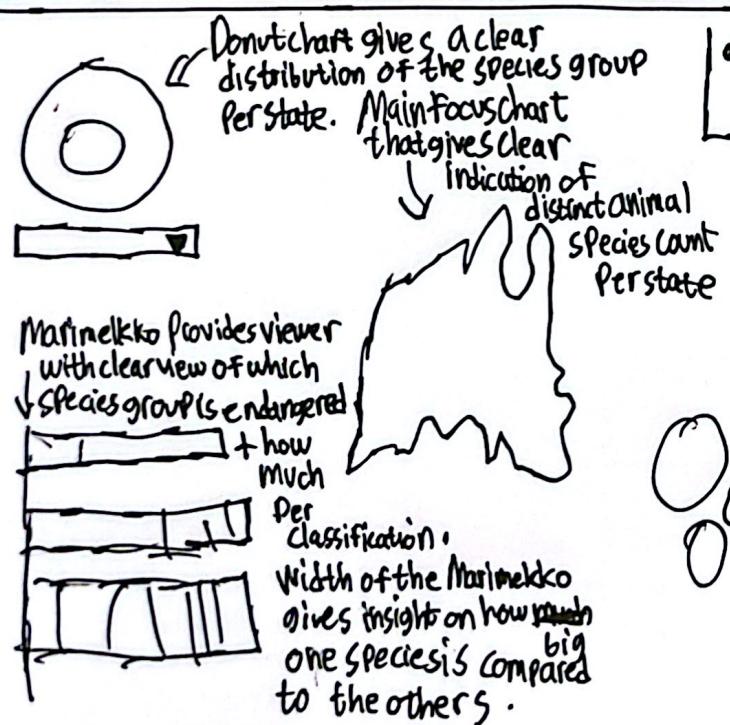
Legend



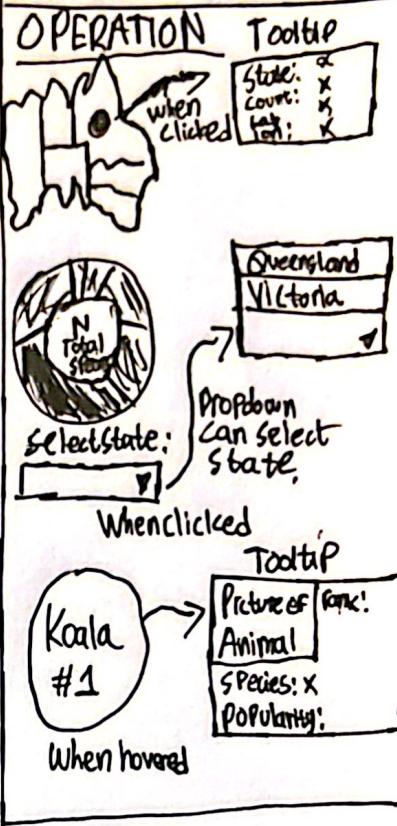
LAYOUT



FOCUS



TITLE: Centralised View
Author: Firza Prodipha Atalla
Date: 07/10/2025
Sheet: 2
Task: Wildlife in Vibrant



LAYOUT

Wildlife in Australia



TITLE: Dashboard View
AUTHOR: Firza Prodita Atalha
DATE: 09/10/2025

SHEET: 3

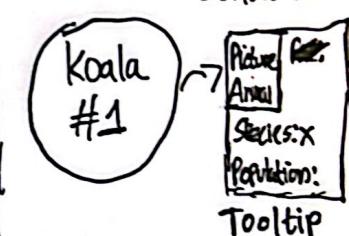
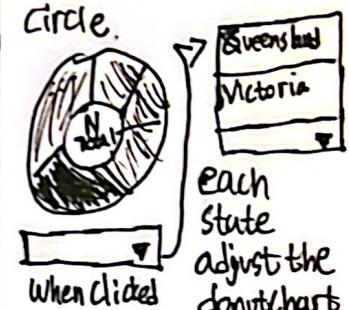
TASK: Wildlife in Australia

OPERATION



Year slider will allow the viewer to see the changes in distinct count per year (growth) when hovered over.

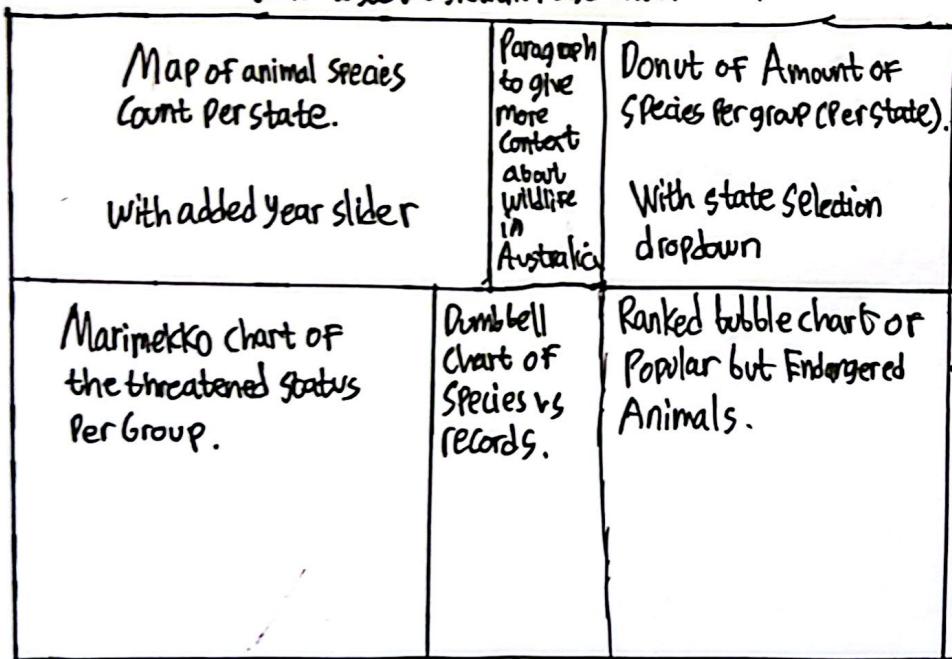
Can see the details of each circle.



FOCUS

Gives viewer the info of distinct species count at a glance. With an option to see the counts across years to see the growth of discovered species.

Gives more detail on the spread of species per group, with options to see other states.



PROS

+ Added time dimension to see growth of discovered species in states in Australia

+ Compact view lets the viewer glance at the more important takeaways faster

CONS

- Too cramped, little whitespace available.

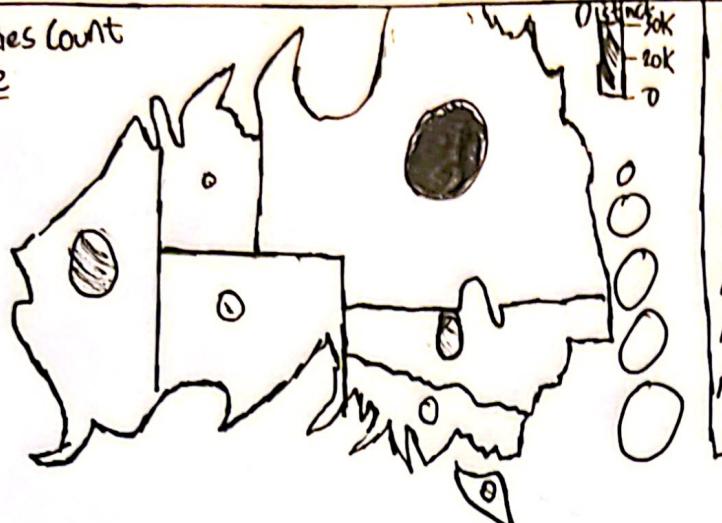
- Lack of info regarding the threatened level for the species groups.

gives the viewer perspective on what the threatened status per group, and how severe they are. Width of the bars also give context on how big that group is in general.

Gives insight on the difference between actual species count vs the amount of attempted discovery efforts. This brings up how much each state has put on effort to constantly discover new species.

AYOUT

Animal Species Count
Per state



Paragraph about wildlife in Australia.

11—11—11
11—11—11
11—11—11
11—11—11
11—11—11

Year 2017

Amount of Species Group (Per state)



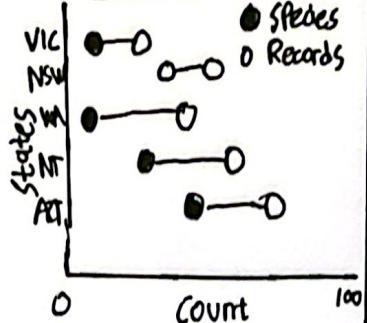
Select State ▾

● Insects
○ Birds
○ Fish

Paragraph about the dominance of insects in majority of states in Australia

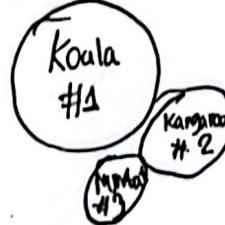
Could be removed

Species vs records



Popular but Endangered Animals

Description of Endangered Animals



Data Sources

Threatened Status per group



● Extinct
○ Critically Endangered
○ Vulnerable



BIRD



INSECT

TITLE: Tall View
AUTHOR: Firza Pradipta Atalla
DATE: 10/10/2025

SHEET: 4

TASK: Wildlife in Australia

OPERATION

2017 → 2025
Year 2017 → Year 2025



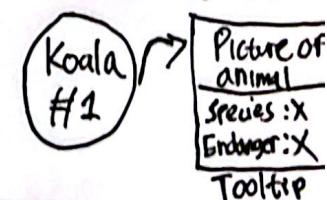
Basically can see the growth of distinct species count over the years through the proportion of the symbol.

When Hovered
State: x
Count: x
Tooltip

See details of each symbol.



Select State ▾
Each state adjust the count chart



PROS

+ Tall dashboards provide more space for visualizations without being too cramped

+ Added context paragraphs could enhance the viewer's understanding of the subject at hand

CONS

- Placements of the context paragraphs could be improved for more whitespace

FOCUS

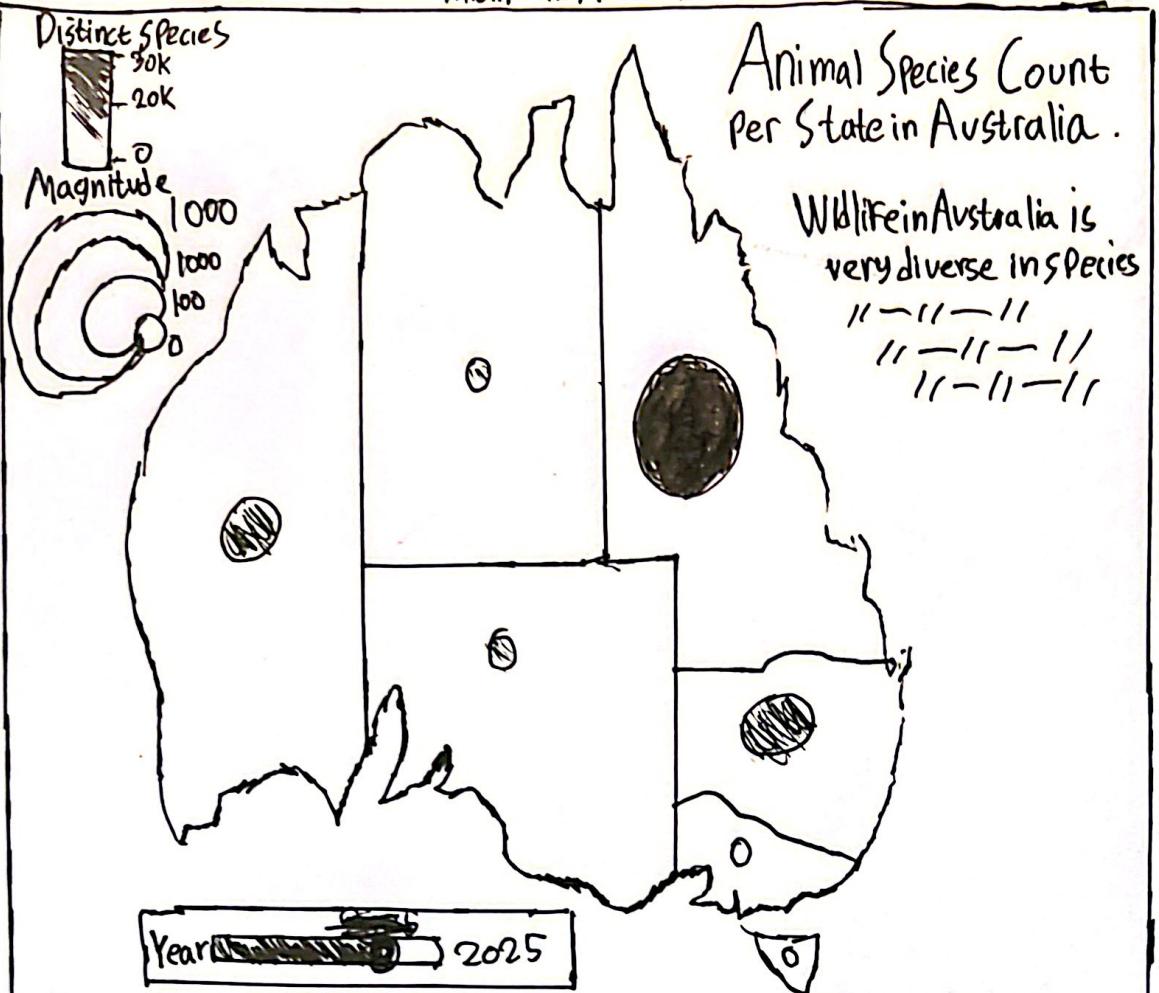
Similar focus to past designs.
But with a more slim and tall design that allows more items to be fitted vertically

Map of Animal species Count per state. With year slider	Paragraph about wildlife in Australia.
Donut of amount of species group per state Selectable State	Paragraph about the dominance of insects
Marimekko Chart of the threatened status per group	Ranked bubble chart of species vs records

Also plan on incorporating more descriptions to give summary/context on the things that the visualization wants to convey to the viewer.

LAYOUT

Wildlife in Australia



11116.Final Dashboard Layout

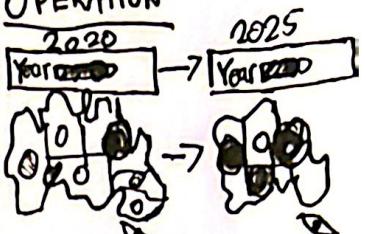
Author: Firza Pradipta Atalla

Date: 10/10/2025

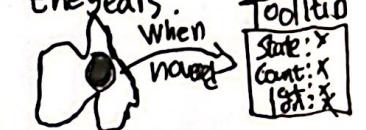
Sheet: 5

TASK: Wildlife in Australia

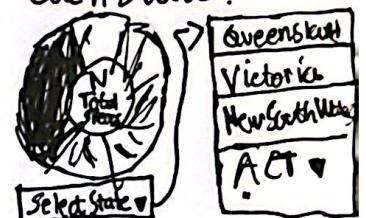
OPERATION



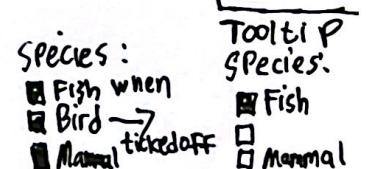
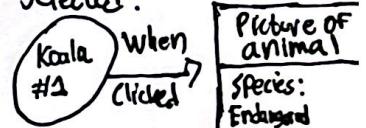
See growth of distinct species count over the years.



Can see details for each state.



Donut chart will change according to the state selected.



The species shown can be adjusted with the filter.

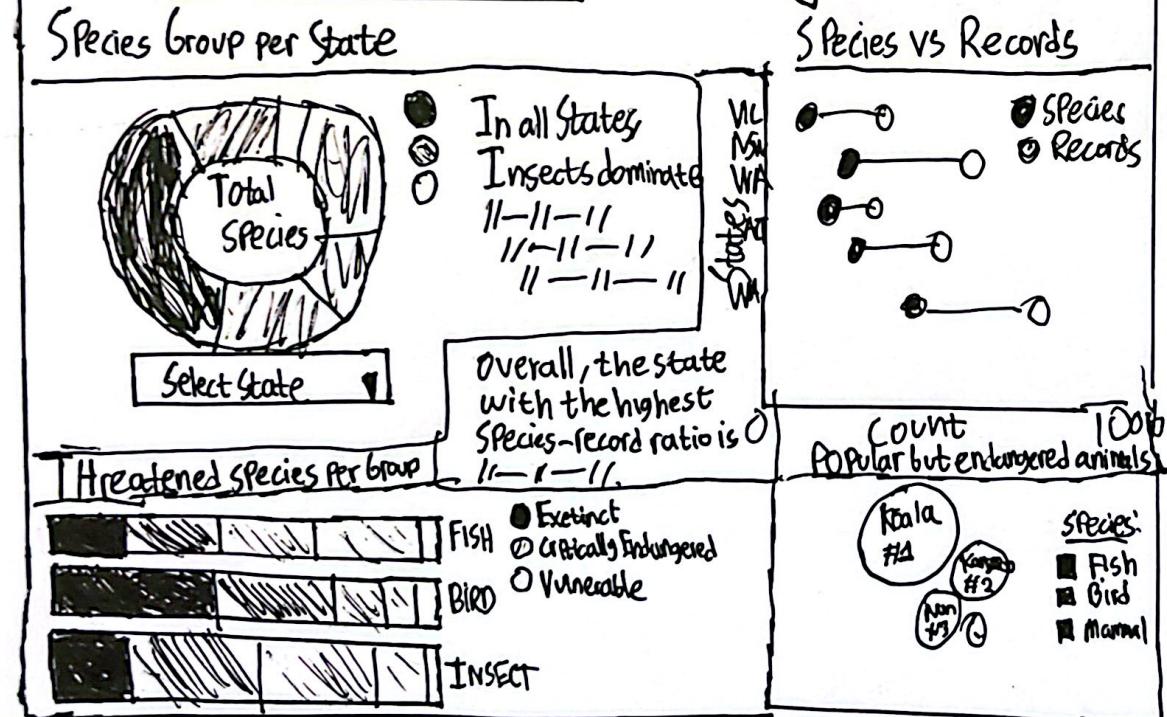
DETAIL

• Vega-lite for the idioms visualization.

• Pure.css for the page layout due to simplicity.

• HTML for the skeleton of the web page

• Data to be uploaded to the github repo.



FOCUS	Map of Animal Species count per State in Australia (with Year Slider)	Paragraph about wildlife in Australia	Same as Previous designs, to give awareness on the efforts of discovering new species per state
Added a summary line for easier takeaway	Donut of species group per state. (State selectable)	Adjusted location of legends for more whitespace	→ Same as Previous designs, to give awareness on the efforts of discovering new species per state
Same as previous designs	Marimekko Chart of the threatened stats per group	Added filter for the animals shown for customizability	→ Same as Previous designs, to give awareness on the efforts of discovering new species per state