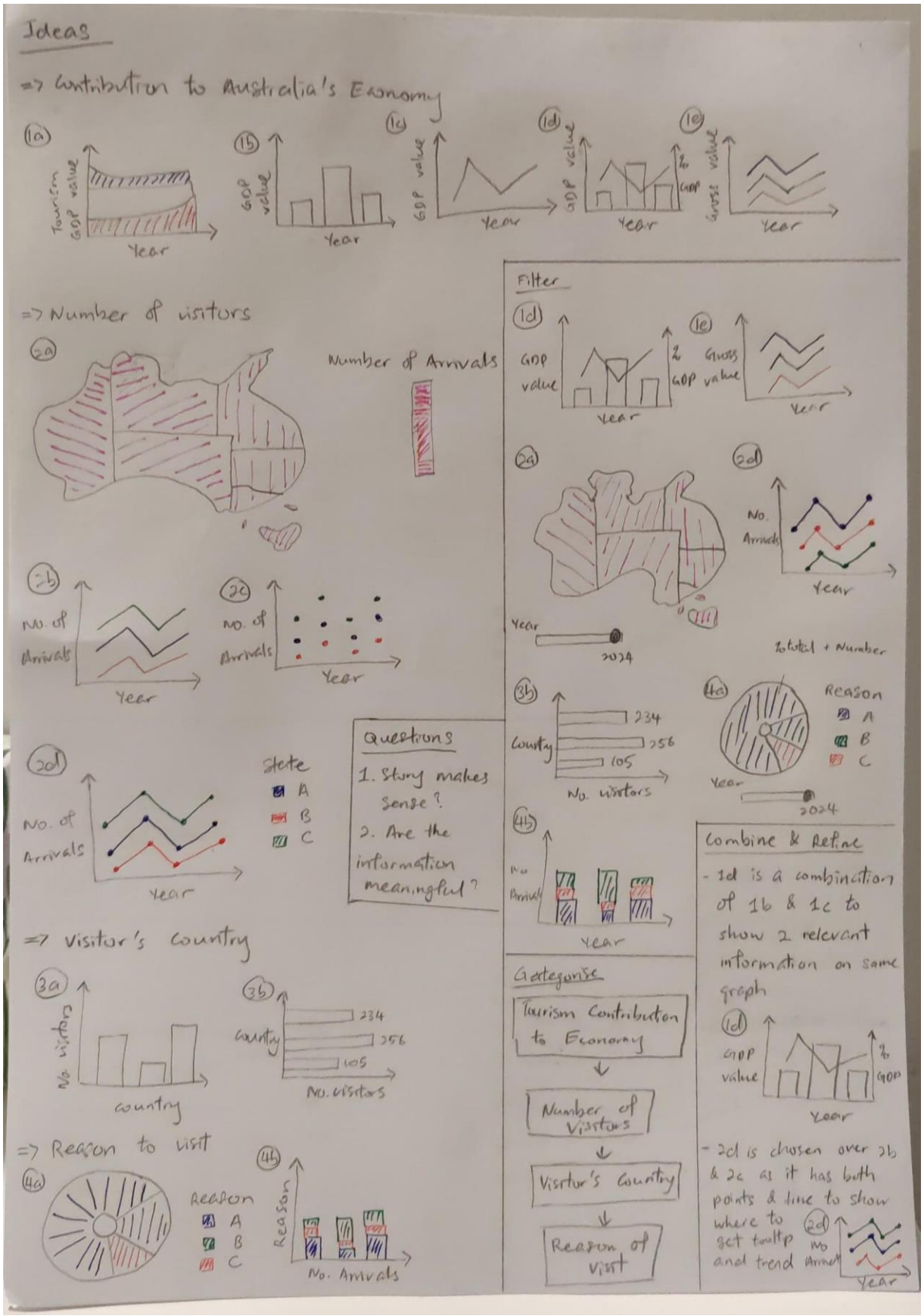
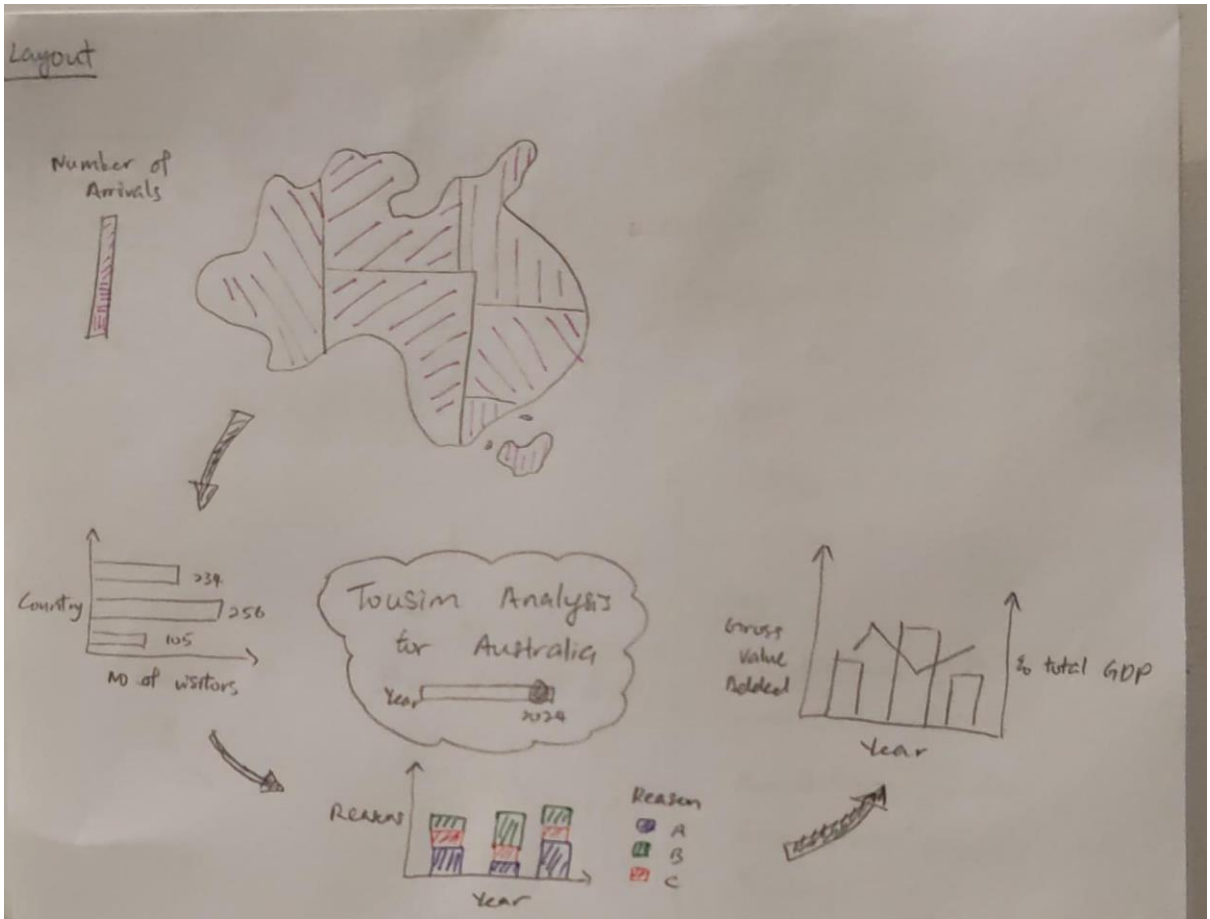
Sheet 1:


Ideas
=> Contribution to Australia's Economy
1a
Tourism GDP value
Year
1b
GDP value
Year
1c
GDP value
Year
1d
GDP value
% GDP
Year
1e
Gross value
Year
=> Number of visitors
2a
Number of Arrivals
2b
No. of Arrivals
Year
2c
No. of Arrivals
Year
2d
No. of Arrivals
Year
State
A
B
C
=> Visitor's country
3a
No visitors
country
3b
234
256
105
country
No. visitors
=> Reason to visit
4a
Reason
A
B
C
4b
Reason
No. Arrivals
Questions
1. Story makes sense?
2. Are the information meaningful?
Filter
1d
GDP value
% GDP
Year
1e
Gross value
Year
2a
Year
2024
2d
No. Arrivals
Year
Total + Number
3b
234
256
105
country
No. visitors
4a
Reason
A
B
C
Year
2024
4b
No Arrivals
Year
Categorise
Tourism Contribution to Economy
Number of Visitors
Visitor's Country
Reason of Visit
Combine & Refine
- 1d is a combination of 1b & 1c to show 2 relevant information on same graph
1d
GDP value
% GDP
Year
- 2d is chosen over 2b & 2c as it has both points & line to show where to get tooltip and trend
2d
No Arrivals
Year

Sheet 2:



Operations

- Drag filter to filter applicable charts by Year
- Label on bar chart

Focus

- Mind Map / Flow to guide user
- Only a single Year Filter for all applicable charts

Discussions

Advantages

- A centralised filter to filter all applicable graphs
- Attractive design to guide reader through mind-map flow

Disadvantages

- Charts with Annotations floating around can be messy
- Can result in bad alignment
- Hard to insert description for narration

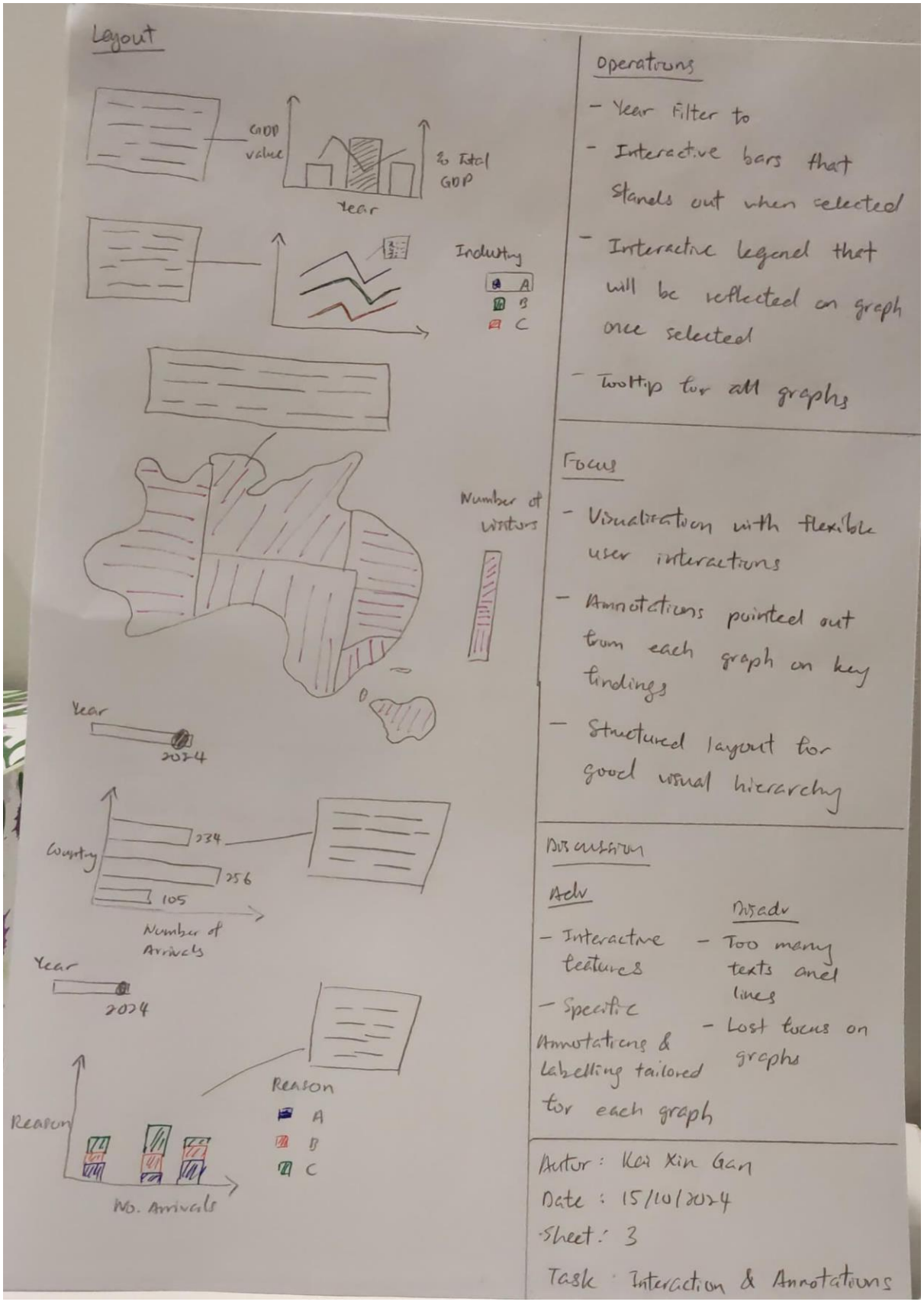
Author: Kai Xin Gan

Date: 15/10/2024

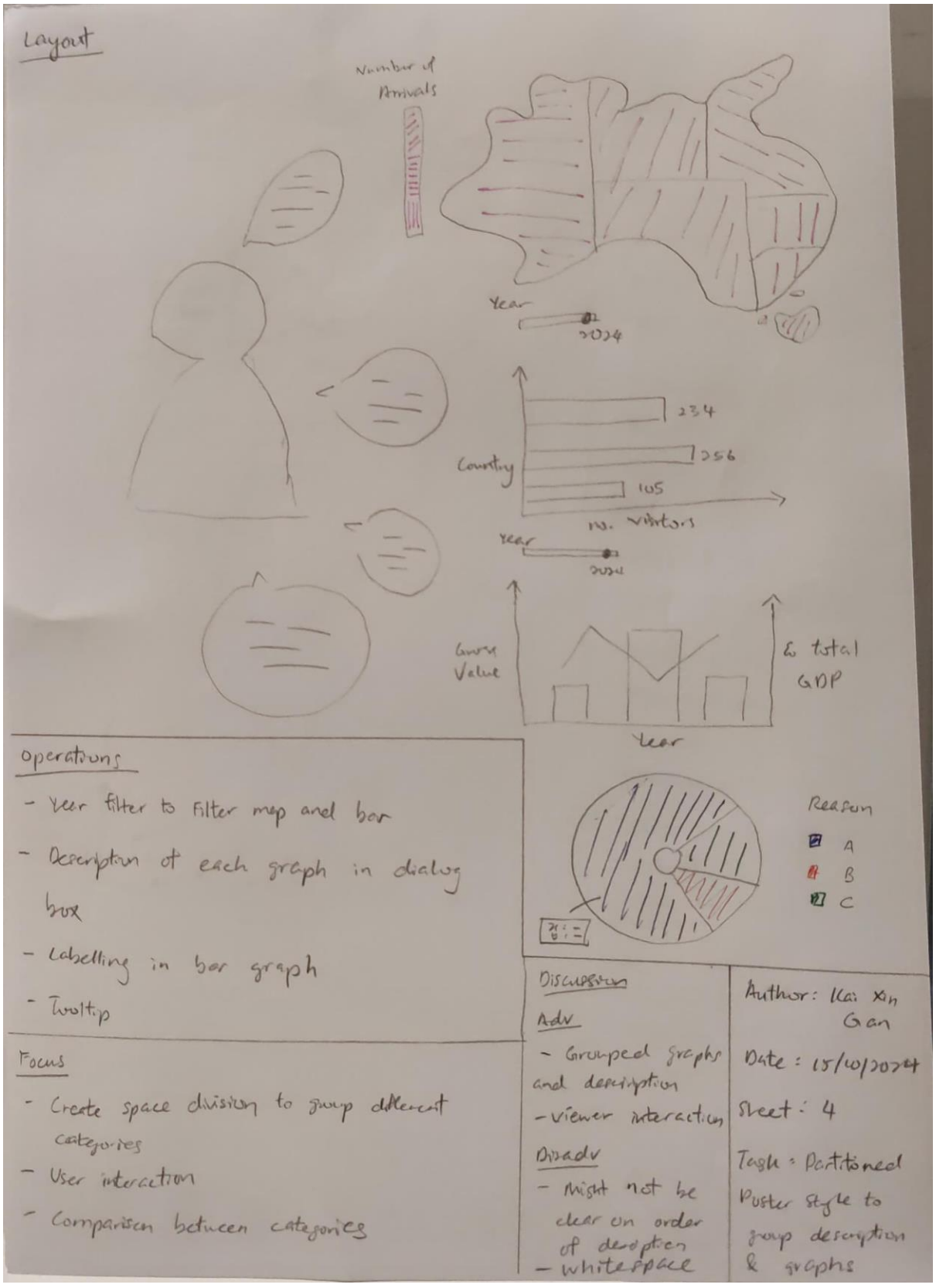
Sheet: 2

Task: Centralised Filter to provide a united view of all graphs

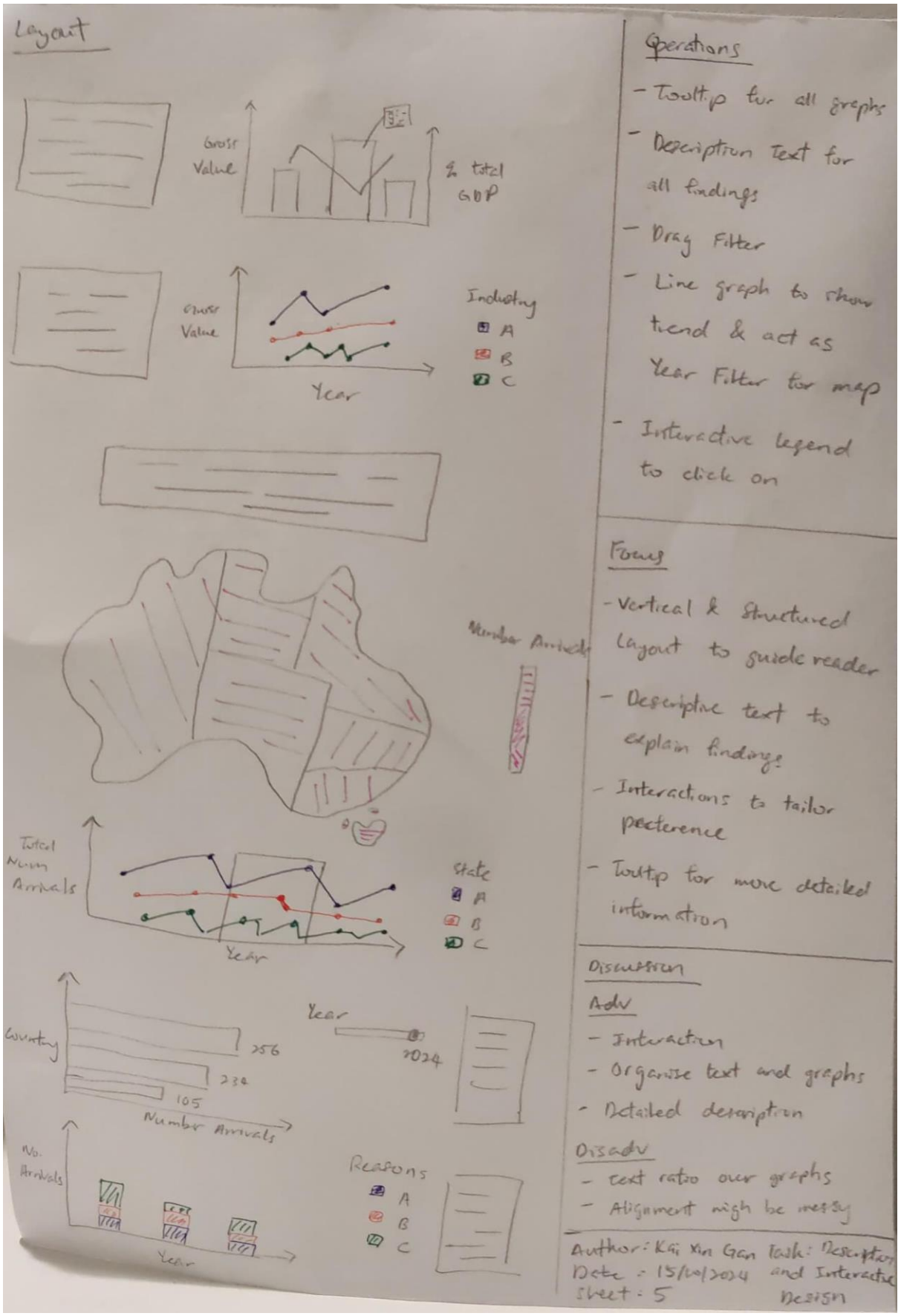
Sheet 3:


Layout
GDP value
% total GDP
Year
Industry
A
B
C
Number of visitors
Year
2024
Country
234
256
105
Number of Arrivals
Year
2024
Reason
A
B
C
Reason
No. Arrivals
Operations
- Year Filter to
- Interactive bars that stands out when selected
- Interactive legend that will be reflected on graph once selected
- Tooltip for all graphs
Focus
- Visualization with flexible user interactions
- Annotations pointed out from each graph on key findings
- Structured layout for good visual hierarchy
Discussion
Adv
- Interactive features
- Specific Annotations & Labelling tailored for each graph
Disadv
- Too many texts and lines
- Lost focus on graphs
Author : Kai Xin Gan
Date : 15/10/2024
Sheet : 3
Task : Interaction & Annotations

Sheet 4:


Layout
Number of Arrivals
Year
2024
234
256
105
Country
No. Visitors
Year
2024
Gross Value
& total GDP
Year
Reason
A
B
C
Operations
- Year filter to filter map and bar
- Description of each graph in dialog box
- Labelling in bar graph
- Tooltip
Focus
- Create space division to group different categories
- User interaction
- Comparison between categories
Discussion
Adv
- Grouped graphs and description
- viewer interaction
Disadv
- might not be clear on order of reception
- whitespace
Author: Kai Xin Gan
Date: 15/10/2024
Sheet: 4
Task: Partitioned Poster style to group description & graphs

Sheet 5:


Layout
Gross Value
% total GDP
Gross Value
Industry
A
B
C
Year
Number Arrivals
Total Num Arrivals
State
A
B
C
Year
Country
256
238
105
Number Arrivals
Year
2024
No. Arrivals
Year
Reasons
A
B
C
Operations
- Tooltip for all graphs
- Description text for all findings
- Drag Filter
- Line graph to show trend & act as Year Filter for map
- Interactive legend to click on
Focus
- Vertical & Structured layout to guide reader
- Descriptive text to explain findings
- Interactions to tailor preference
- Tooltip for more detailed information
Discussion
Adv
- Interaction
- Organise text and graphs
- Detailed description
Disadv
- text ratio over graphs
- Alignment nigh be messy
Author: Kai Xin Gan
Date: 15/10/2024
Sheet: 5
Task: Description and Interactive Design