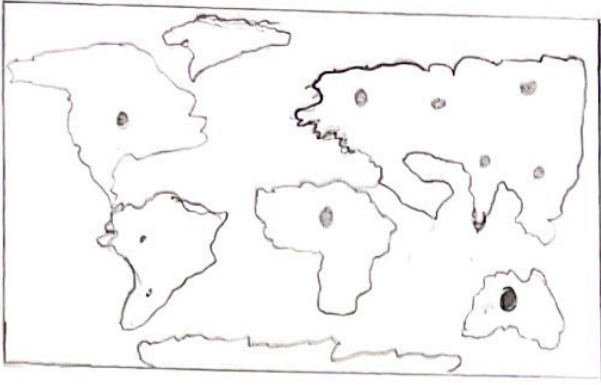
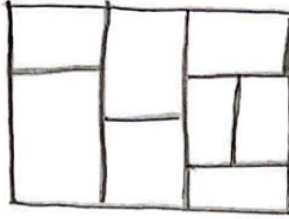
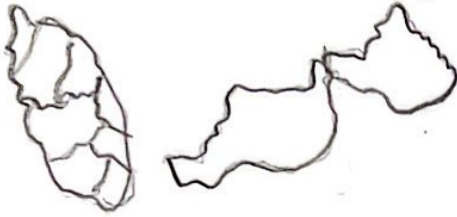


IDEAS

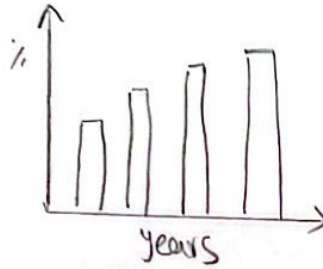
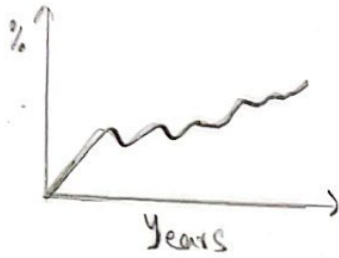
① Fuel exports from Malaysia



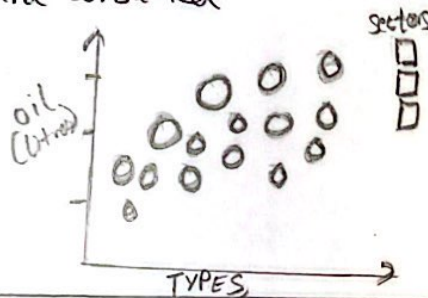
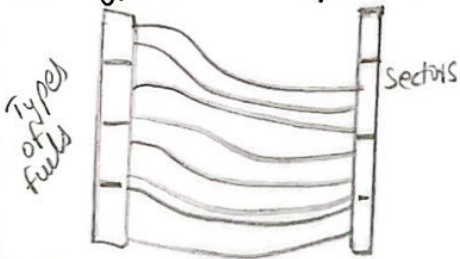
② Fuel Production in Malaysia



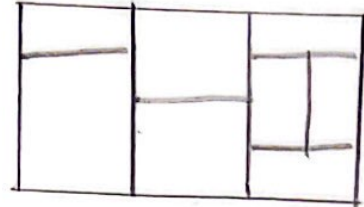
③ Revenue from fuel industry



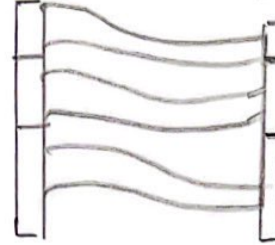
④ Types of fuels produced and consumed



FILTER



→ not easy to plot and hard for viewers to read data from small sections



→ hard to understand the accurate value from source to target.

CATEGORISE

Ranking of oil producing countries in world

↓
Fuel production in Malaysia

↓
Types of fuels produced

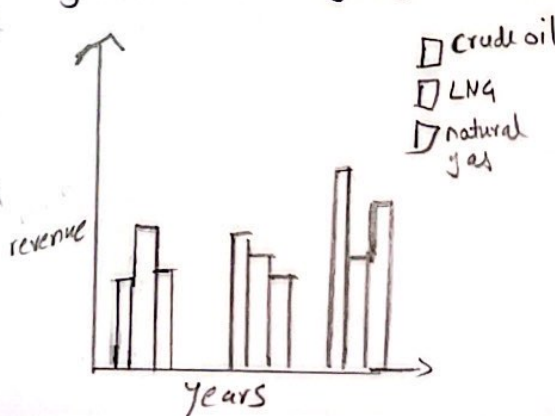
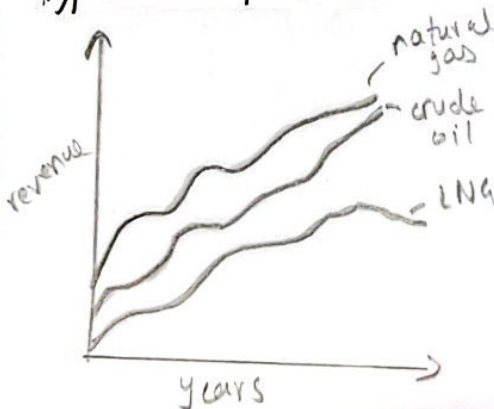
↓
Types of fuels consumed

↓
Exports of fuels

↓
Revenue generated from fuel industry

COMBINE & REFINES

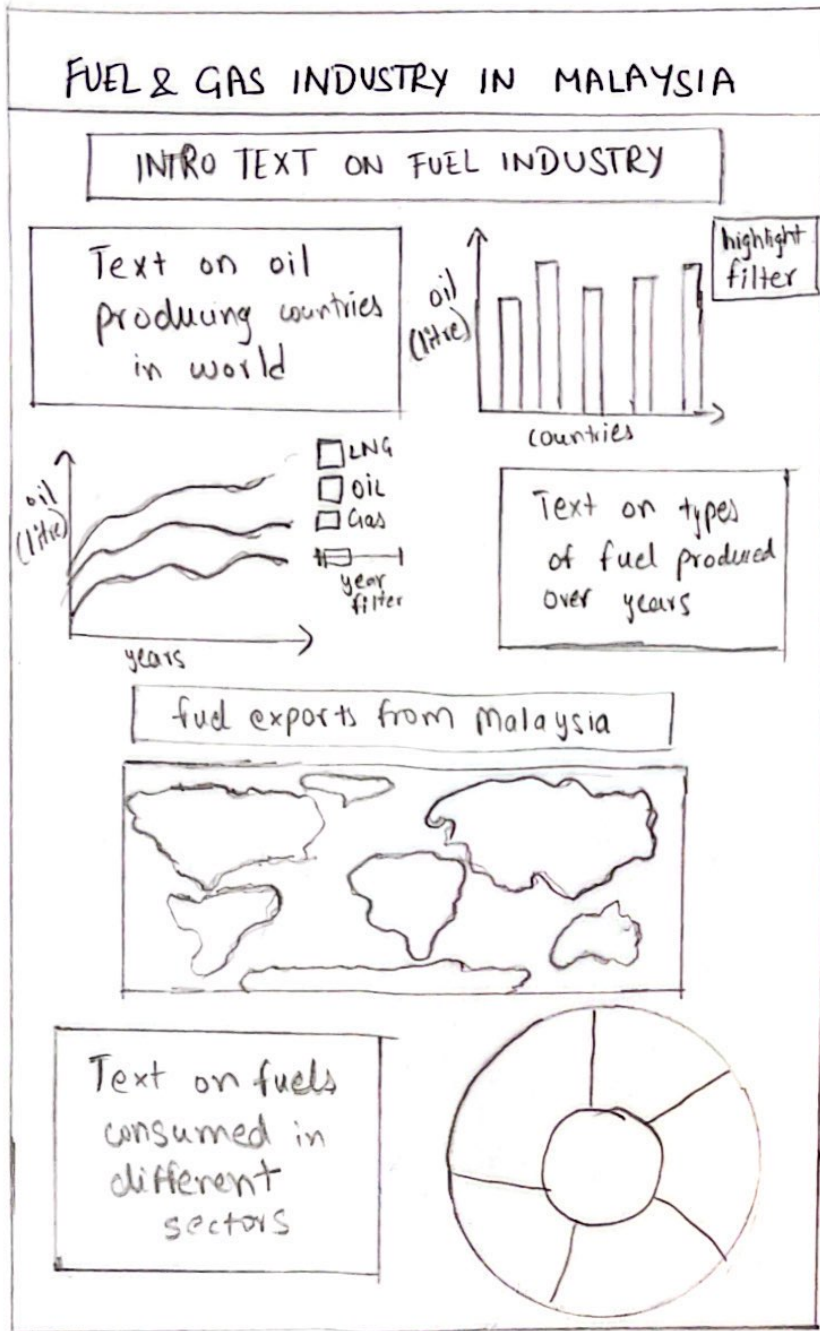
Types of fuels produced & revenue generated over years



QUESTIONS

- which kind of viewer will benefit from this visualisation?
- are the charts able to efficiently portray its information?

LAYOUT



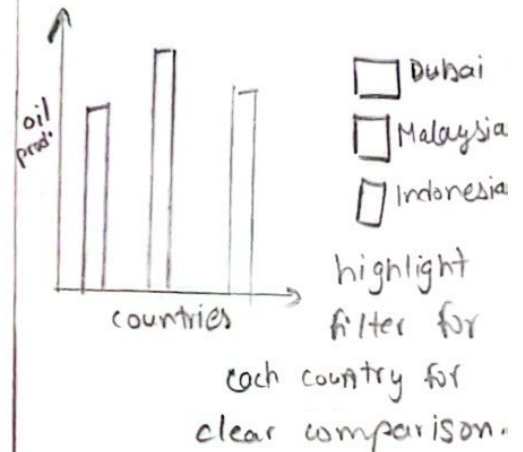
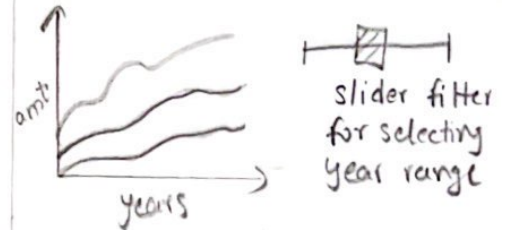
Title : Narrative View
Author: Hamsikaa Aggarwal

Sheet : 2

Task: Narrative View
with a story

Date: 6/10/24

OPERATIONS



Focus

- All the subsections are given equal importance and focus.
- Each subsection gives information on a sub-topic
- Map chart has a slight large subsection than compared to other charts.

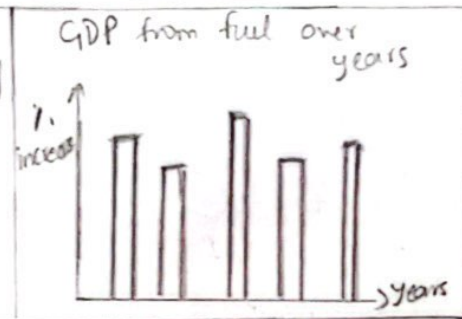
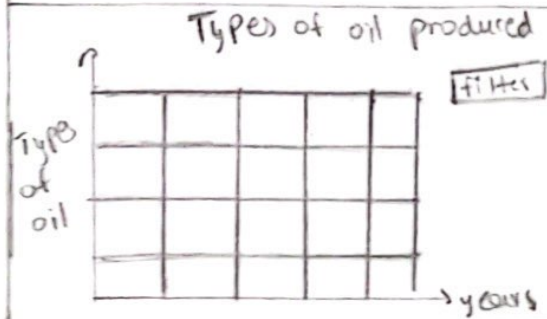
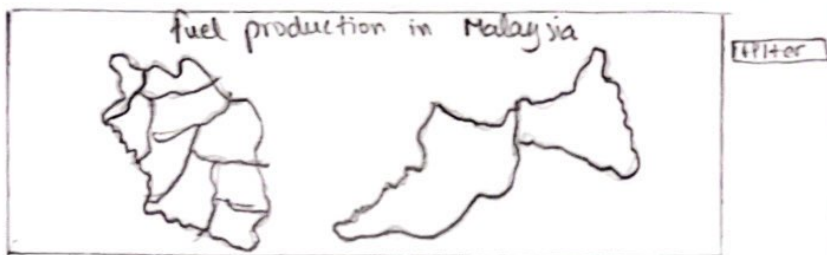
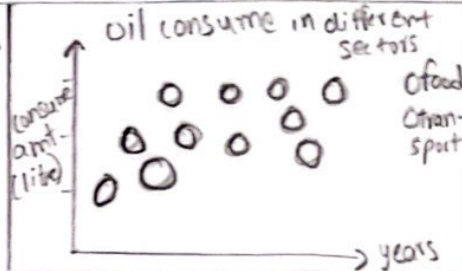
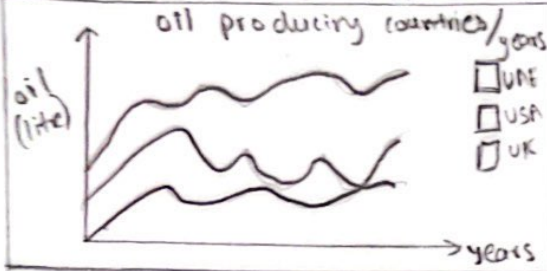
TITLE	
Types of oils	
fuel exports	
fuel consumed by sectors	

DISCUSSIONS

- ~~Advantages~~
 - Each section is well defined and easy to understand.
 - Portrays a clear story as each element is correctly placed.
- Disadvantages.
 - Size of the graphs are fixed which makes it hard for users to read.

LAYOUT

OIL & GAS INDUSTRY IN MALAYSIA



Title: Dashboard View

Author: Hansika Aggarwal

Date: 6/10/24

Sheet: 3

Task: Designing a dashboard view on fuel industry in Malaysia

OPERATIONS

checklist filter option

select oil type ✓

- all
- Kerosene
- Diesel
- Petrol

A checklist type filter option can be provided for selecting types of oil produced for easy readability for each type of oil

Focus

- no main focus to any graph.
- Tiled positioning in horizontal container

TITLE	
Comparing oil producing countries	oil consumed in different sectors
Fuel production in different parts of Malaysia	
Types of oil produced	GDP increase over years

DISCUSSIONS

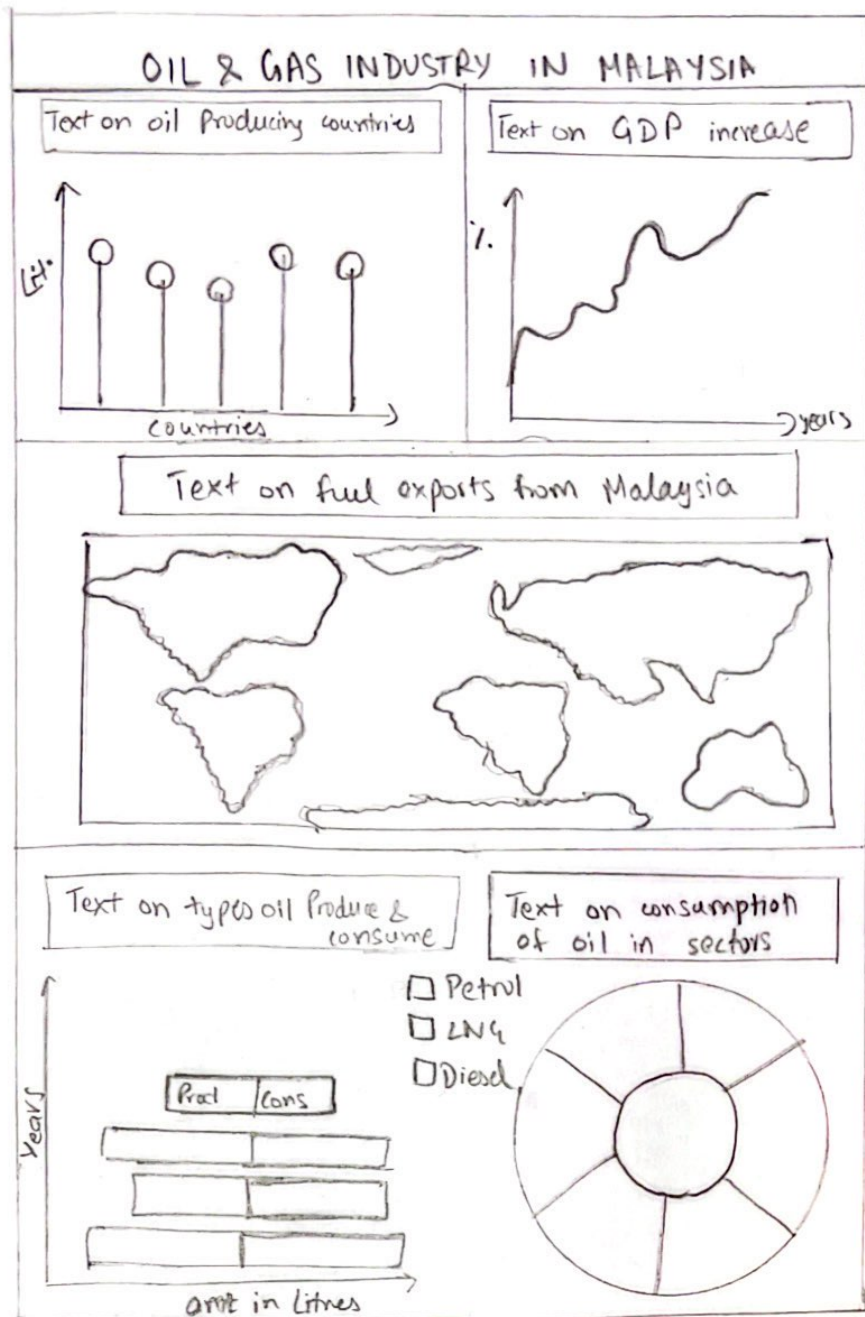
Advantages

- Graphs are clearly layout
- Each segment can be enlarged to view the graph properly

Disadvantages

- No text description given due to which visualisation cannot narrate a story.

LAYOUT



Focus

- Each chart is separated into different subsection for better readability.
- Interactive features like audio button, common filter option for 2 charts and other different filters can be provided for enhancing user's interactivity.

Title	

Title: Interactive Narrative view


Author: Hansika Aggarwal

Date: 6/10/24


Sheet: 4

Task: Narrative view with interactive features

OPERATIONS

 audio button for reciting text

Audio button can be provided in each text section for better interactivity of users.

zoom filter 

Zoom filter in map chart can be provided to view each country properly and the information regarding it.

☐ Petrol
☐ LNG
☐ Diesel

common checklist for Types of fuels

DISCUSSIONS

Advantages

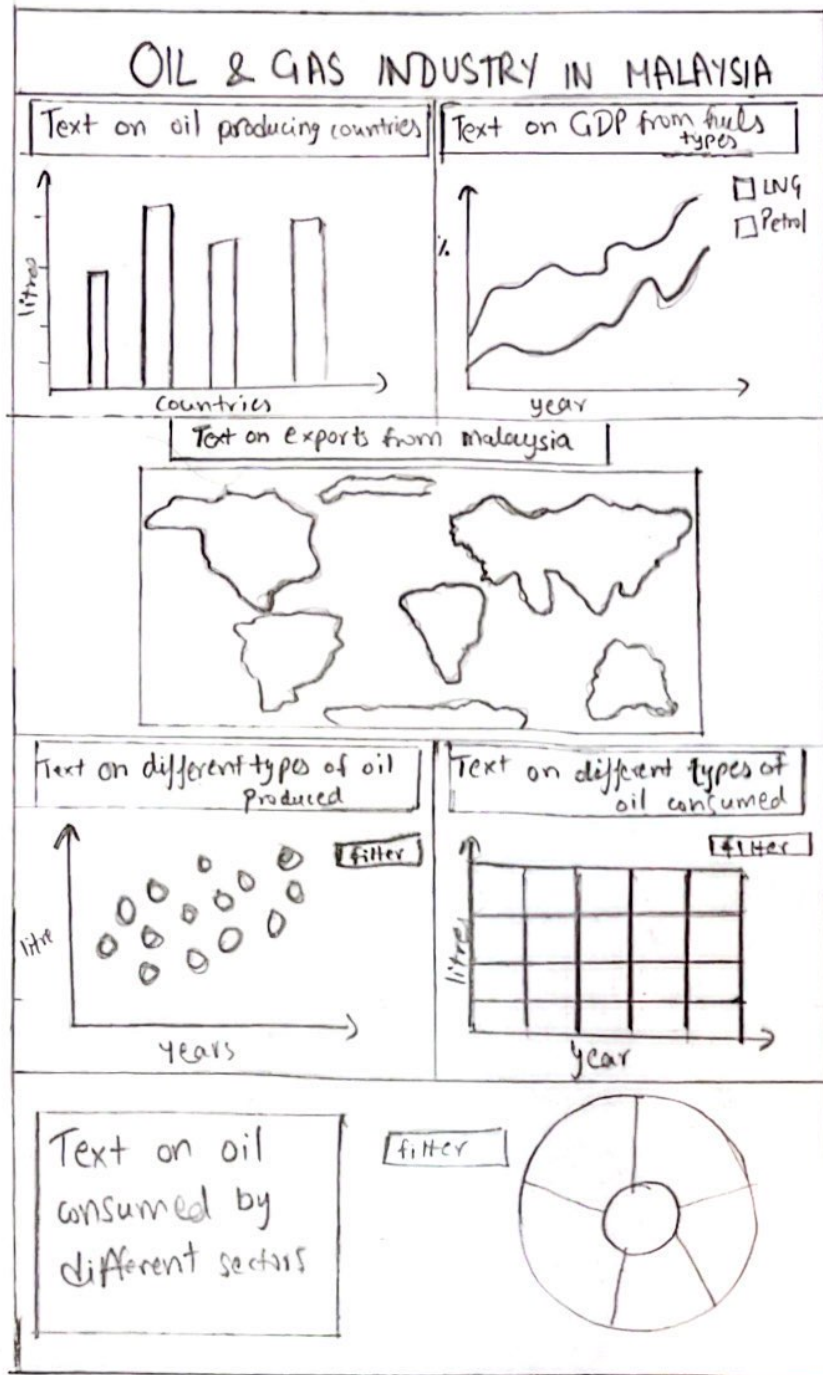
- clear layout of visualisation with easy narration of the story
- Interactive features for improving user's interests

Disadvantages

- May have time lag due to interactive feature and difficult to visualise it.

LAYOUT

used layout 4



Title: Final Design Sheet


Author: Hansika Aggarwal

Date: 8/10/24

Sheet: 5

Task: Final layout design

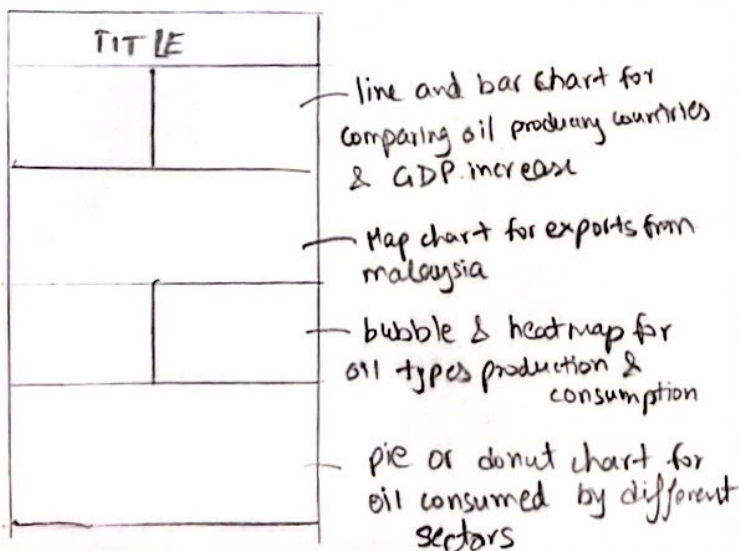
OPERATIONS

① 
Year filter applied
on different types of
oil production

② fuel type \downarrow all
- LNG
- Kerosene
- Petrol
dropdown filter box for
choosing different fuel type

③ ☐ Transport
☐ food
☐ Non energy
highlight filter for
each sector.

Focus



DETAILS

- Database will be implemented using CSV files.
- Each chart will take about 5 hours from data collection to visualising it
- Total hours to create the final visualisation will take about 20 hours.