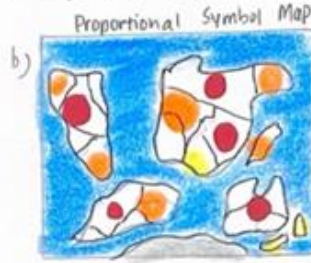
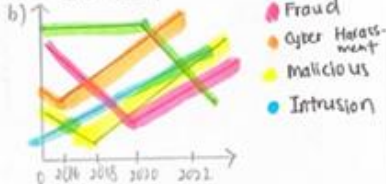
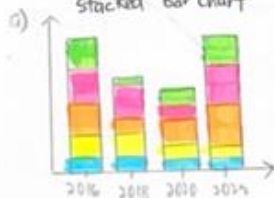


IDEAS

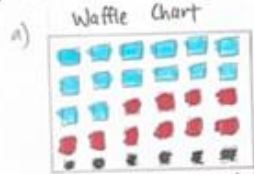
① National Cyber Security Index 2016 - 2023



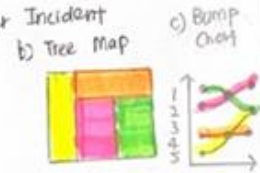
② Type of reported cyber incidents



③ Social Media Statistics



④ Most targeted Industries

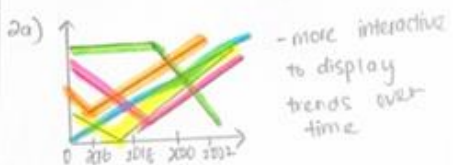
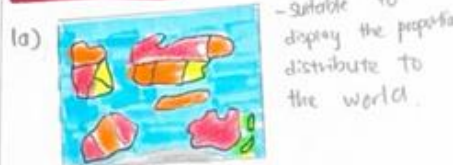


Author : Celine Wong Jia Qian

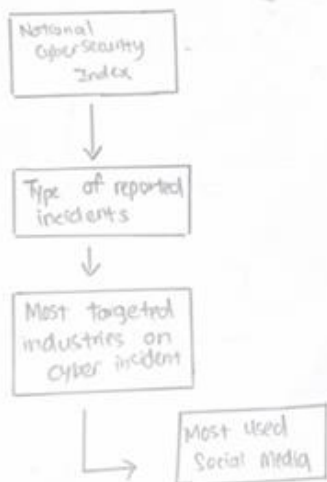
Date : 24/9/2024

Sheet : 1

FILTER



CATEGORIZE



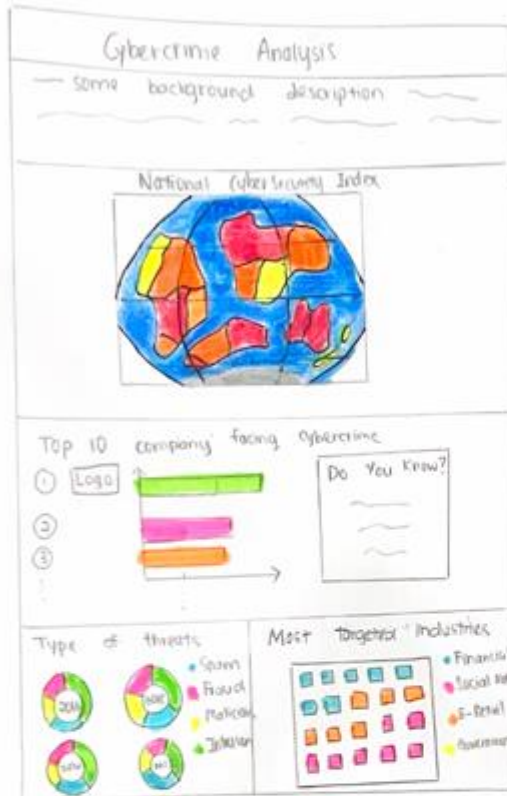
COMBINE & REFINE

- consider adding border to Choropleth Map to visualise better
- consider to change donut chart words to Logo instead of words
- consider to add more interactive charts?

QUESTION

- ① Does the visualization effectively communicate the purpose of visualization?
- ② Does it provide clear visual hierarchy about cybercrime?
- ③ Does the visualization understandable to all types of user?
- ④ Is the visualization flow easy to follow?

LAYOUT



FOCUS

- All are focus, but mainly will be focus on the "National Cybersecurity Index"
- Choropleth Map shows the distribution around the world

Title : Infographic Poster

Author : Celine Wong Tia Giam

Date : 24/9/2024

Sheet : 2

Task : Cybercrime Analysis Visualization

OPERATION

- Add zoom feature to the world map, able to visualise Malaysia



eg: Zoom in to 200%

- Add tooltip feature to display information when the cursor hover over



DISCUSSION

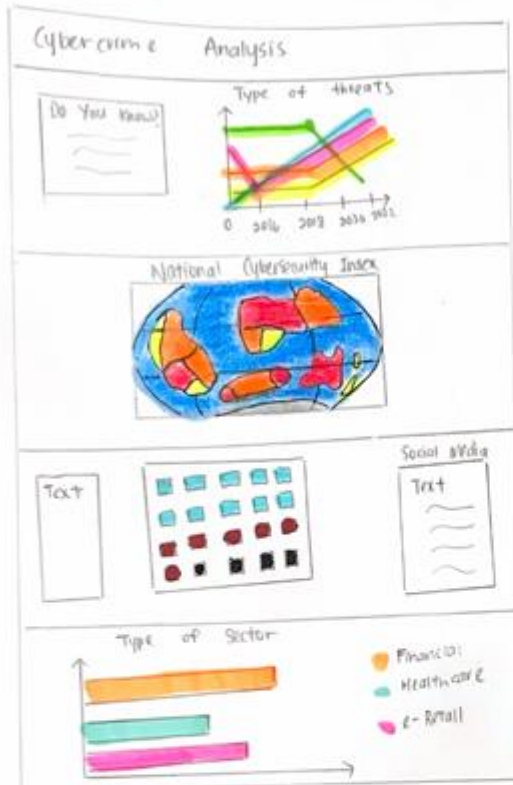
Advantages :

- Easy to understand to all types of user
- Consists interactive charts

Disadvantages :

- Inefficient space to display all information
- Is the information easy to categorise ?

LAYOUT



FOCUS

- All charts are focus, but mainly on "National Cybersecurity Index"
- Type of threats over the years, user can do comparison by selecting the years.

Title : Infographic Poster
 Author : Celine Wong Jia Bian
 Date : 24/9/2024
 Sheet : 3
 Task : Cybercrime Analysis Visualization

OPERATION

- Years selected (slider)
 → Easier to do comparison
- Add filter option
- Add zoom feature

DISCUSSION

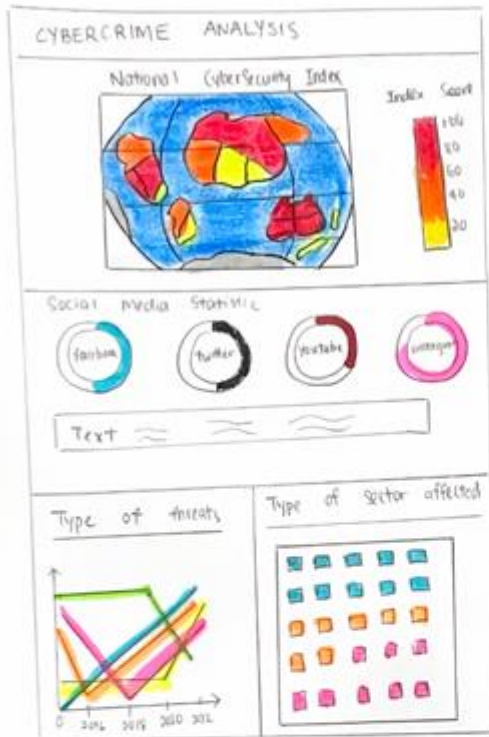
Advantages :

- User friendly to all users
- Different colours present different hierarchy - visual

Disadvantages :

- Potential information overload
- too many text description

LAYOUT



Focus

- All charts are important to focus, mainly "National CyberSecurity Index"
- Provide selection for users for years / country
- Provide some description / explanation of the insights

Title : Story-telling
 Author : Ceine Wong Tia Bion
 Date : 24/1/2024
 Sheet : 4
 Task : Cybercrime Analysis Visualization

OPERATION

① Annotation

- display the highest / fluctuation point

② Filter

DISCUSSION

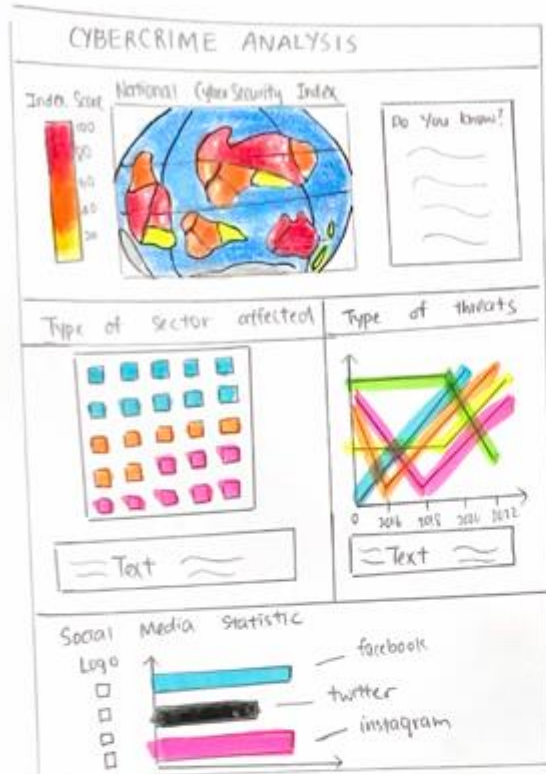
Advantages :

- Clear and consisted layout overall
- Easy to understand
- Diverse data representation

Disadvantages ?

- Difficult to organise storyline
- Limited graph representation

LAYOUT



Title : Final Design Sheet

Author : Celine Wong Jia Qian

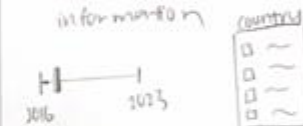
Date : 24/4/2024

Sheet : 5

Task : Cybercrime Analysis Visualization

OPERATION

- ① Zoom Feature for Choropleth Map
eg: zoom 200%
- ② Annotations show for important information
- ③ Slider / Filter is implemented able to select the specific information



FOCUS

- All charts are important to be focus
- Clear and well constructed chart to make it easier to understand
- Enable tooltip to guide user
- Use consistent colour
 - ↳ Sector / Social media can use similar palette
 - ↳ World map uses gradient / border
 - ↳ Font is consistent used

DETAILS

→ Dependencies : VS code ,
Vega lite
↳ uses excel for csv file

→ Estimated time & effort :
at least 2 week for implementation and overall feedback

→ Specific requirement :
must include at least one map in the visualization.