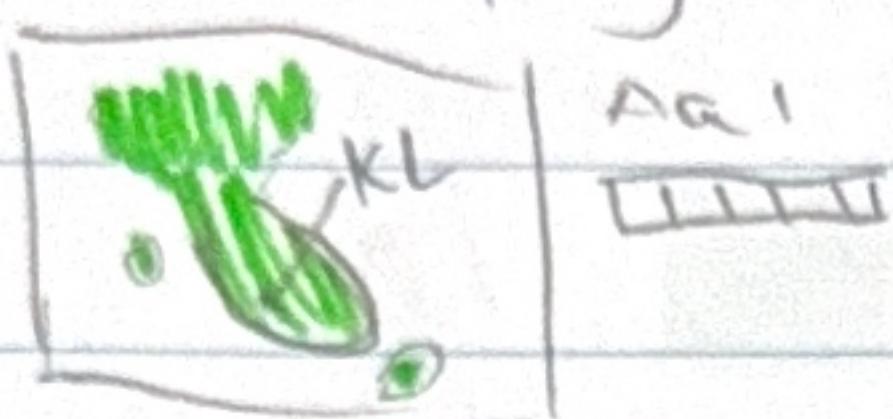


Sheet 1

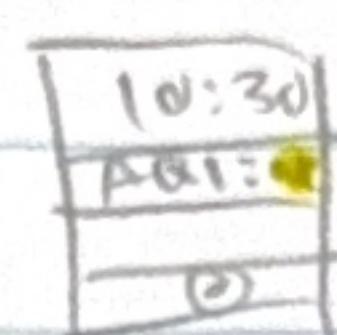
32619960 Joshua Nathan

Ideas

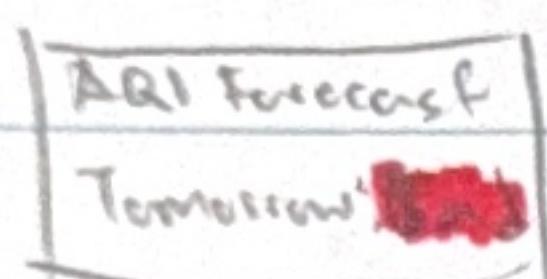
a. AQI Display



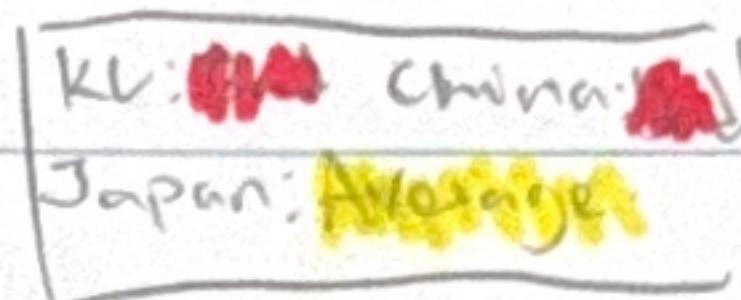
b. Health Notification



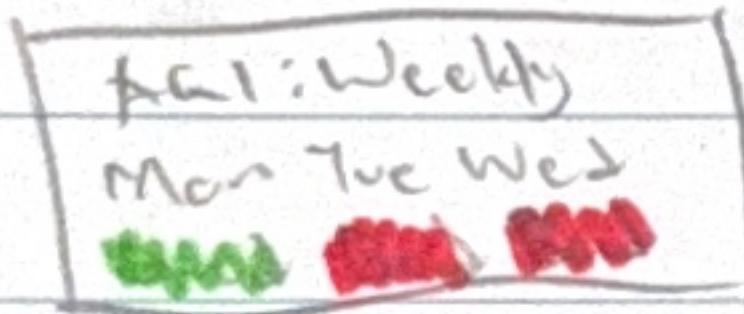
c. AQI Trends



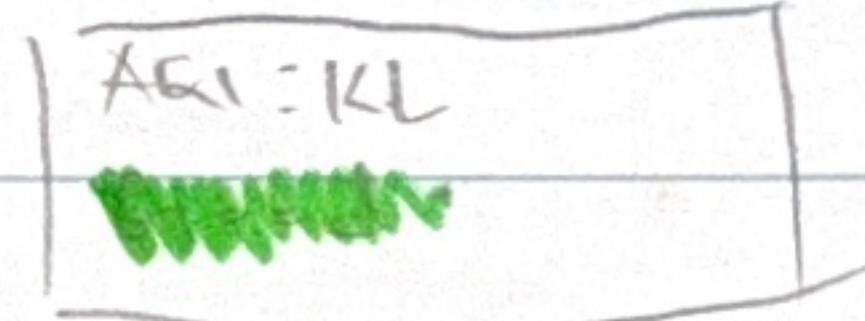
d. Comparison Tools



e. Historical Data



f. Real-Time AQI



Filter

b. Only a notification

j. Does not really give much insight

Categoryize

→ Map Display.



Display real-time AQI

Combine & Refine

Real time AQI Display: at the top
Historical Data Below in a graph
Health tips based on real
time AQI

Questions

1. Do they provide enough value to the user?

2. Easy to understand?

3. Can user interact effectively?

4. Do these features help make informed health decision?

AQI map showing different regions - click on any region to get real-time AQI and health and AQI forecast

Health tips of pollutant breakdown based on user preferences

Sheet 2

Layout

Real-time AQI Display)

0805

AQI: 30

Kuala Lumpur

Operations

- View AQI for current location
- Set alerts
- Explore historical data

Health Alert & Notification

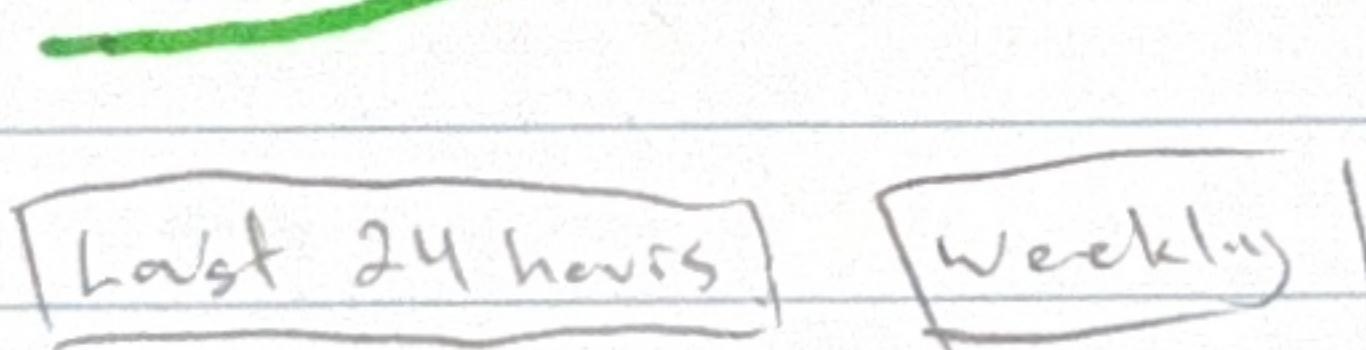
Good air quality 

Send alert when AQI > 150

Data and Trends

0000

2359



Discussion:

- Simple design & clear
- Practical & user-friendly
- Lacks depth for data
- No regional comparison
- Limited interaction

Focus

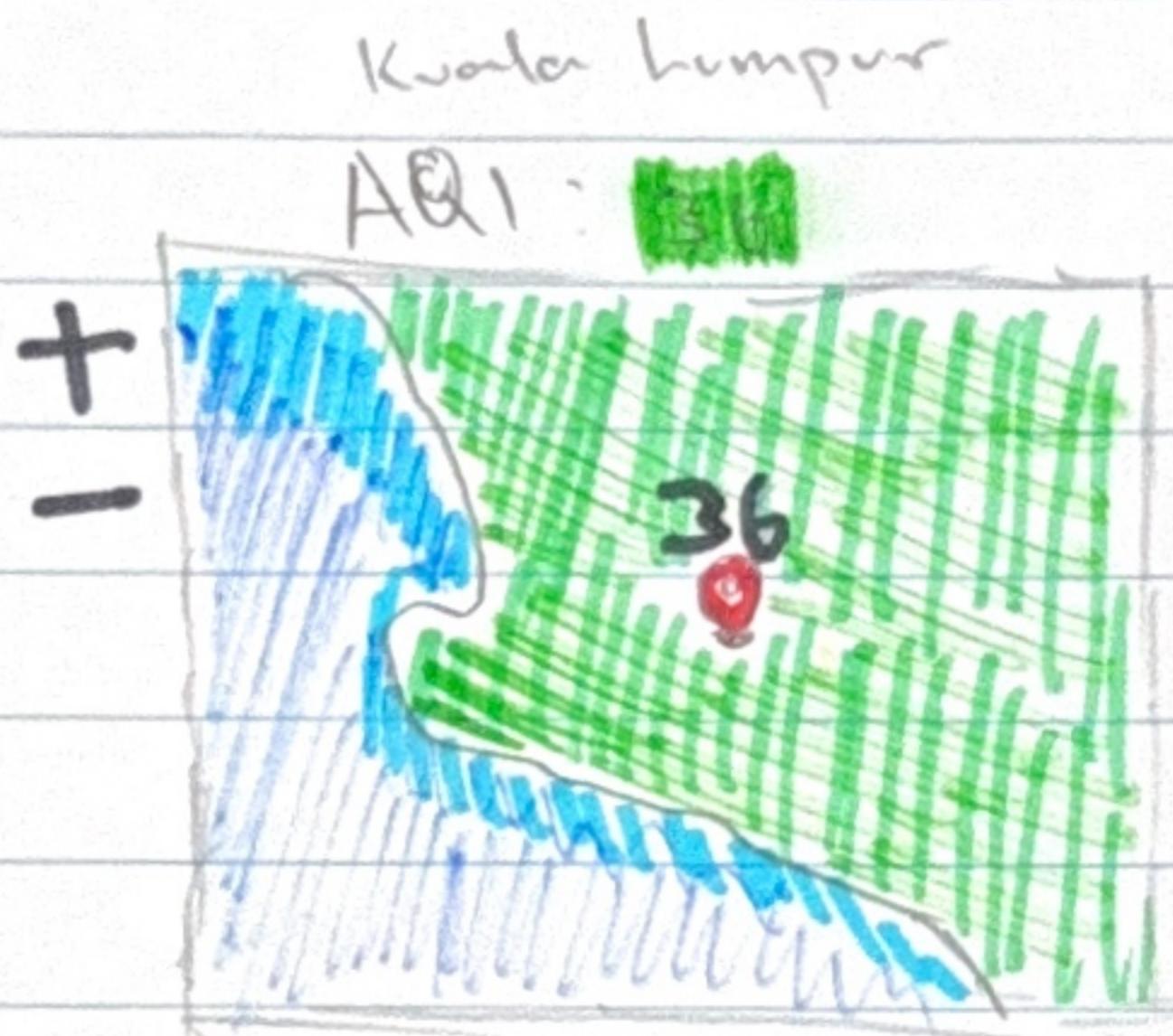
To present real-time air quality
in a simple, digestible format

Users get an sense of air quality
because of color-coded display

Sheet 3

Layout

Q Enter a location (city, zip code)



Pollutants: PM 2.5, PM 10

Health: Safe to go out ☀️

— Good — Moderate — Bad

Alert when AQI ≥ 150 | Filters

Operations

- View AQI levels on a map
- Search for specific location
- Set alert
- Toggle pollutants (filter)

Discussion

- Compare AQI level in diff locations
- Map can zoom
- Info on pollutants
- Map approach may be too complicated
- Focus on spatial data over temporal data

Focus

Provides a broad comparative view across selectable cities. Useful to monitor AQI in different cities

Sheet 5

Layout

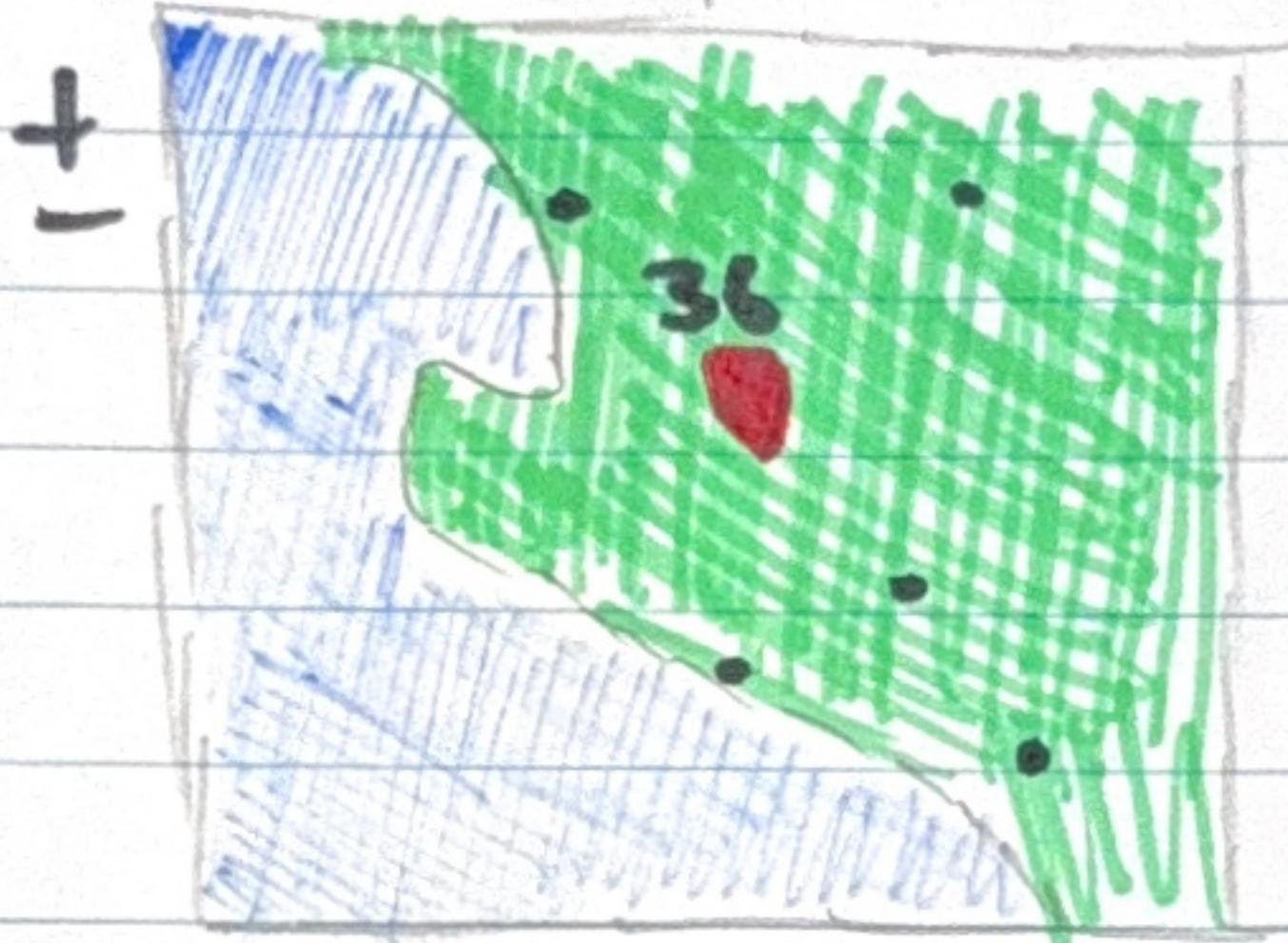
Operations

Kuala Lumpur >

AQI: 

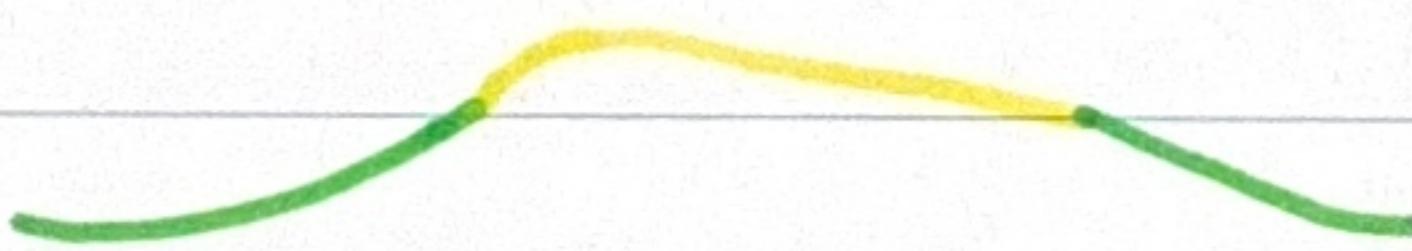
Health: Safe to go out 

Map



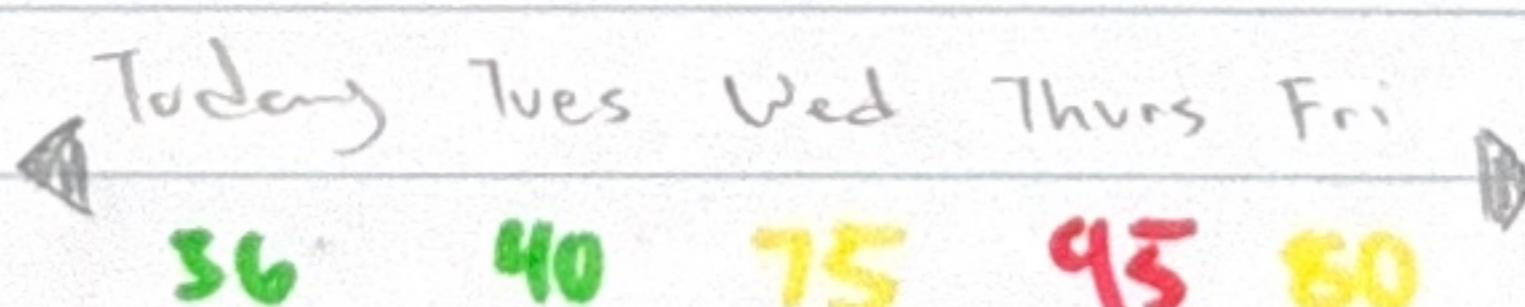
Trends

0000 2359



Pollutants: PM2.5, PM10

Forecast



- Real-time AQI for multiple locations: Users can click on the > next-to the current city selected to change to another city.

- Users can click on the black dot on the map to change locations.

- Check pollutant breakdown

- Explore trends & forecasts

- Zoom in the map

Discussion

- Versatile. Colors to casual & advanced users

- Dynamic map

- Comprehensive: real-time data, trends, forecasts

- Performance may be slow due to large data needed

Focus

Simplicity for casual users, real-time AQI, easy to understand colour-coding.

Detailed info for advanced users

Map interactivity.