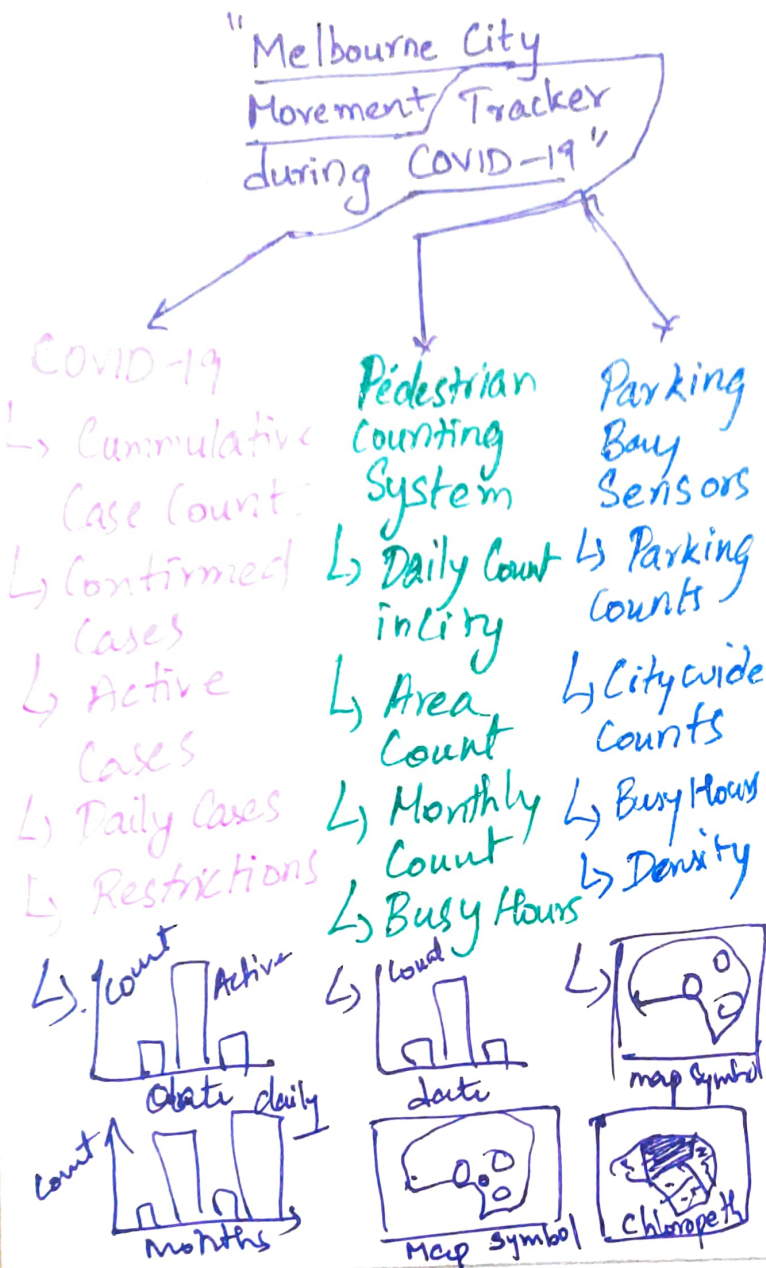
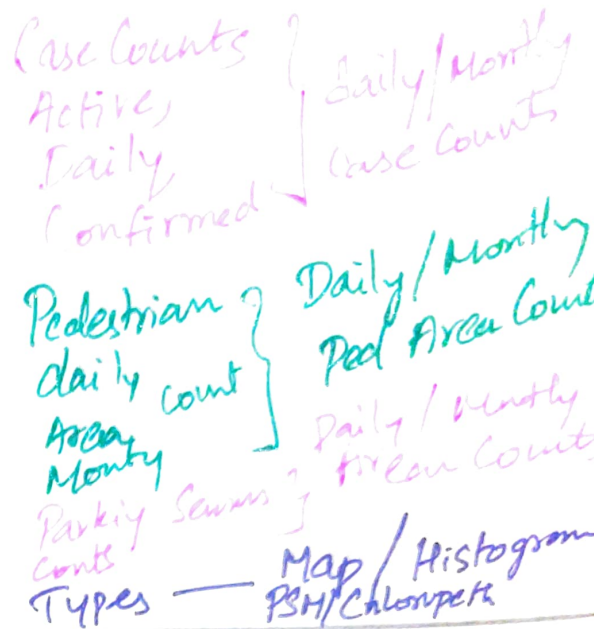


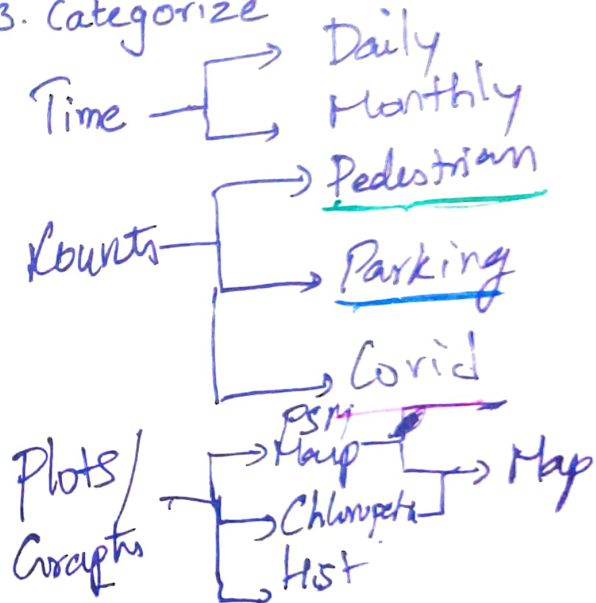
1. Ideas



2. Filter



3. Categorize



4. Combine and Refine

Views — Time

- Daily
- Monthly

Maps — Colors

- Pedestrian Counts
- Parking Counts

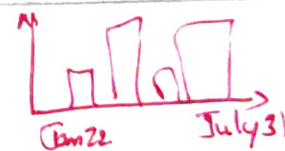
Histogram — Color

- Day
- Month

Selected day vs Other days

Jun 22

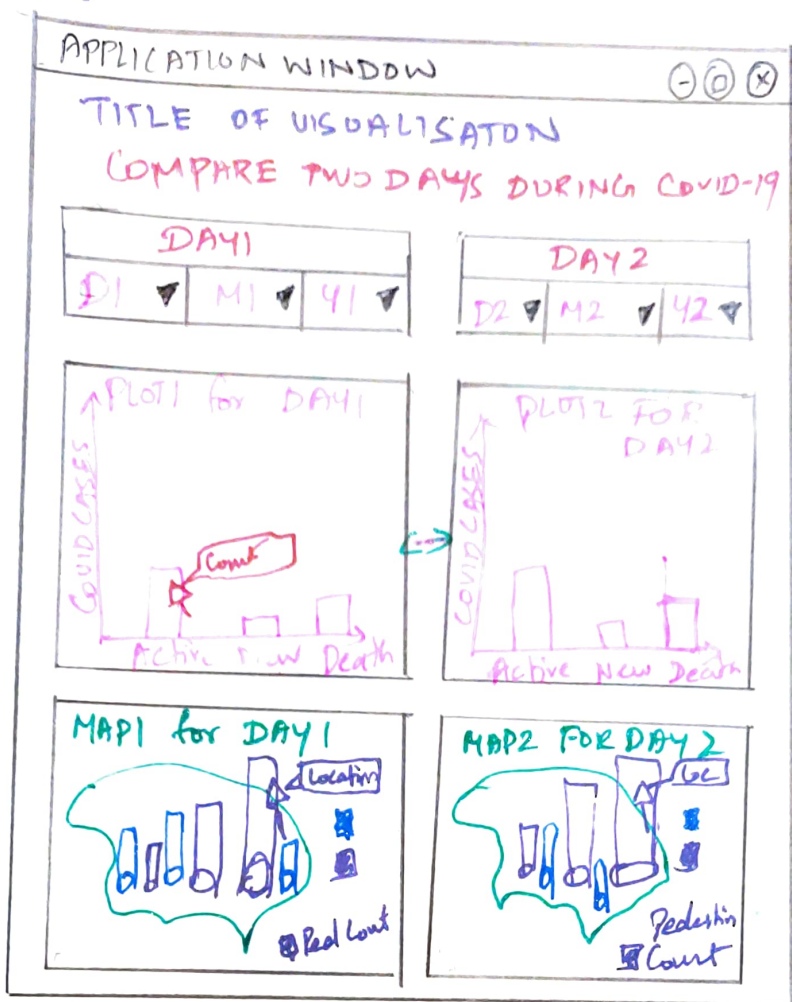
Other days



5. Question




Yes, These visualizations will answer the question of movement in 2 different aspects

Layout



Title: MMT - Design /
Author: NAREN SRIDHARAN
Date: 10-06-2020
Sheet: 2
Task: DAYVIEW of movement
Effect

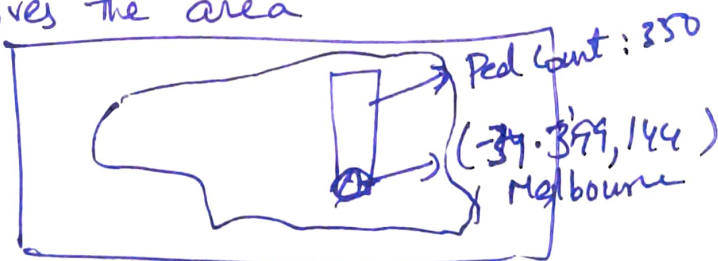
Operations

-  Selection box to select day, month & year
-  Tooltip on hover to show value
-  Legend colour, on click highlights particular Category

Focus

Bar graphs on map

Bars give the count, location gives the area



Case variation between days (Comparison)

Comparing Active vs daily cases give a good indication of situation

Indicates that it can also be done as 1 map

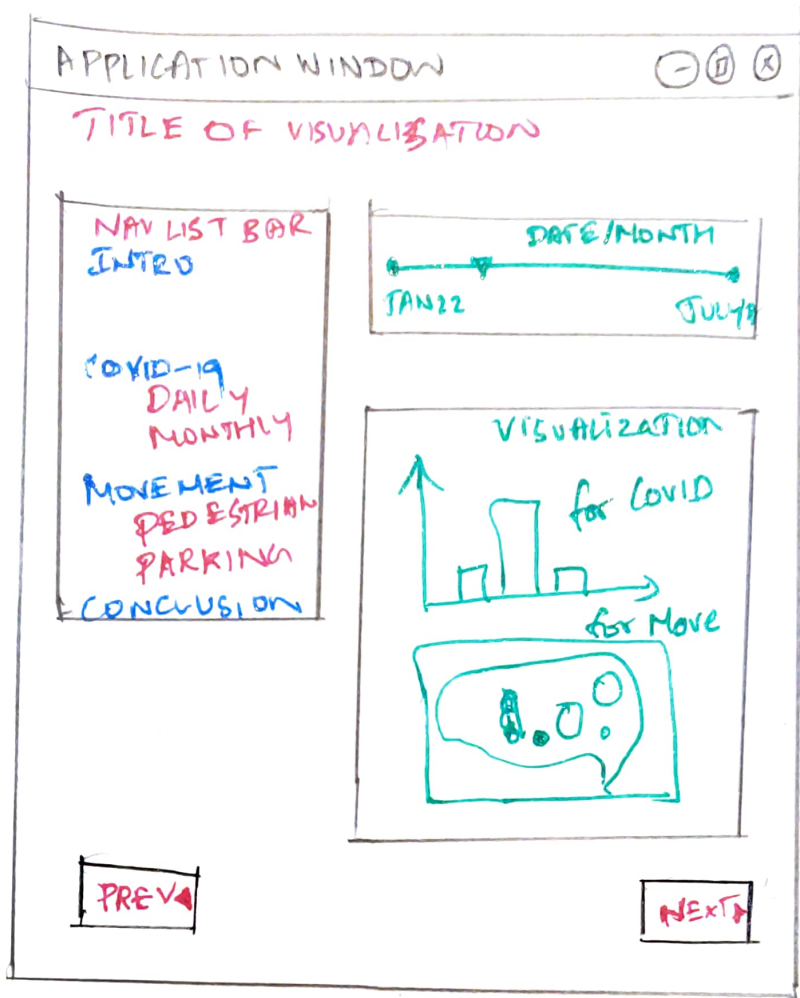
Discussion

Gives an overall view between 2 days. Resuse components.

Too narrow and might not provide a high level view of the situation to be answered

Bars on Maps could be too complex & visually bad.

Layout



Title: MMTIC-Design 2
Author: NAREN SRIDHAR
Date: 10-06-2020
Sheet: 3
Task: Story Compartmentalize

Operations

- Provides navigation to next & previous section

- Provides Navigation to sections on click

- Slider provides Input value to Map/graph for date.

Focus.

Story is Focused

Each section exclusively talks about that section.
eg - Covid 19 Monthly would be like this



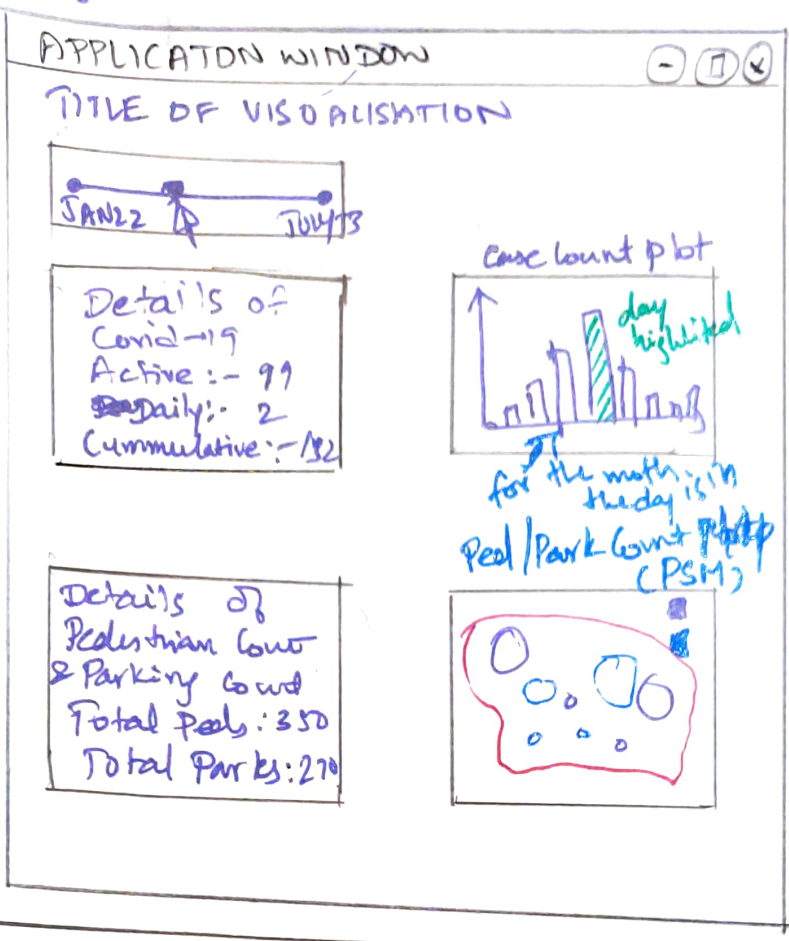
Discussion

Provides a good detailed information on each aspect of the problem.

On an overall level a slight understanding may be reached.

Comparison is not obvious and hence can be ambiguous.

Layout



Title: MMTC - Design 3

Author: NAREN SRIDHARAN

Date: 10-06-2020

Sheet: 4

Task: Single page compact Comparison.

Operations

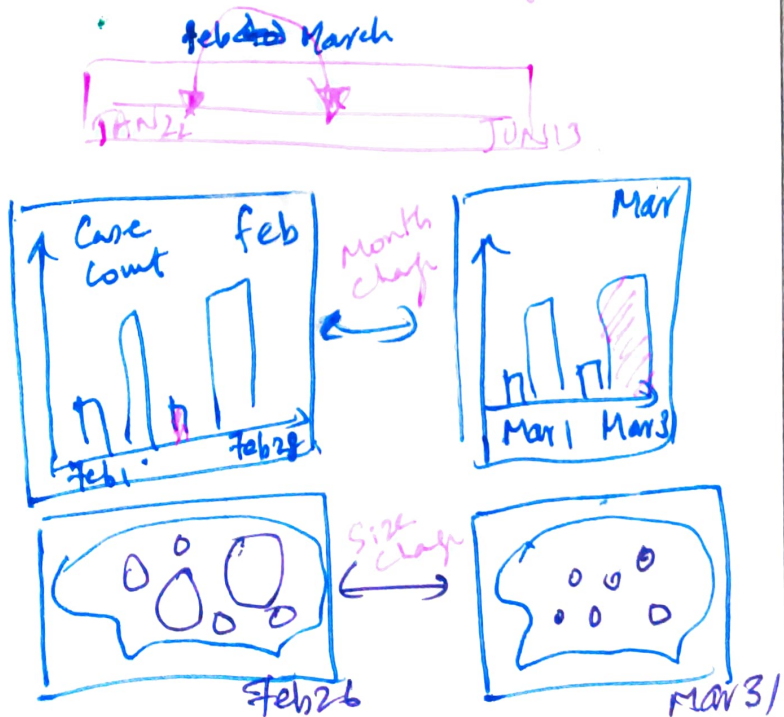
Slider provides Comparison with dates & changes date fed to details plot & map.

On bars show count values & location on map.

Legend colour used to choose category.

Focus

Main Focus is the details & Case counts changing with slider change.



Discussion

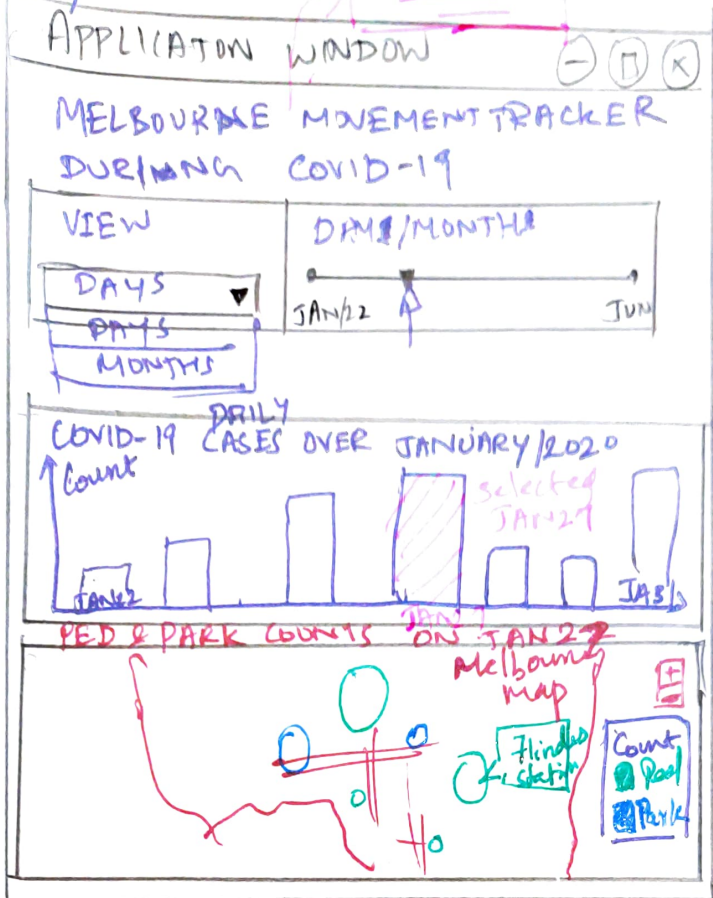
Gives a clear visualisation of the change when slider moves from 1 day to another.

No Daily / Monthly view to give perspective.

No story (or)
Intro to understand visualization.
Might be too much Info

Layout

Intro



Title: MMTC-Final Design

Author: NAREN & RIDHARAN

Date: 01/06-2020

Sheet: 5

Task: final design, interact, narration + Interaction

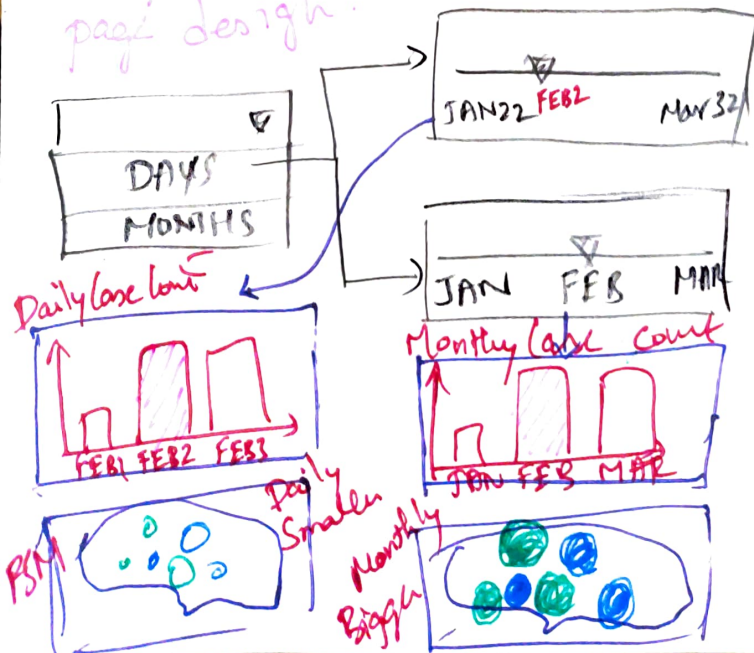
Operations

[DAYS ▼] → View selector for day/month view
- changes slider, x-axis of covid plot to months

[Slider] slider to select date/month to view
- selects highlight on plot
- changes sizes of circles in proportional symbol map.

Focus

Focus is on combining different aspects of the 3 designs giving both a simple narrative a single page design.



Details

[Intro] provides an intro to the visualization as a Modal.

Description :-
Data Sources - JH University Covid-19 repository & data.melbourne.vic.gov.au for Ped Count & Park Count
Algorithm - Aggregation, Querying of data & Filtering, API- RSocket
Math Visualization 2/3
Filters 1/3 Screen
Dependency :- RStudio, ggplot, leaflet, Estimator, 50 hours.