Project Proposal

Project Title: Covid-19 Analysis of Australia

Team Members: Frank/Halley/Carl/Yan

Project Description/Outline:
The aim of our project is to explore and uncover patterns in COVID-19 case data within Australia. We'll examine relationships between case numbers over time, between different states, and compared to vaccination and hospitalisation rates.

This will involve retrieving current and historical COVID-19 case data from websites that report it, listed below under data sources. This data will be stored in an SQL database, cleaned and organised as necessary, then visualised. The nature of COVID-19 reporting means that the visualisations produced will be live, meaning that they will be updated automatically.
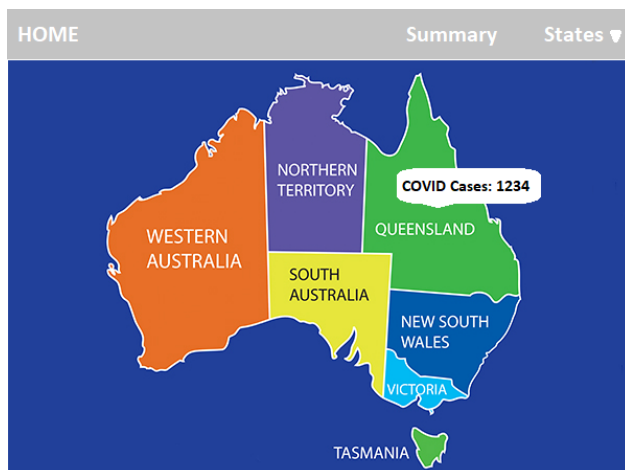
Data Sources:
https://www.health.gov.au/health-alerts/covid-19/case-numbers-and-statistics
https://nationalmap.gov.au/
Coronavirus (COVID-19) in Australia | Data (covid19data.com.au)

GitHub Repository:
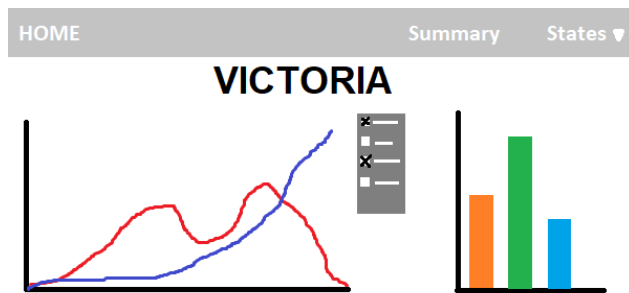https://github.com/FrankMS3/Project-3

Final Design Sketch:
Home Page -

When the user hovers over a state on the map, summary stats will be displayed. Clicking on a state will take the user to that state's own individual page.

State Page -

VICTORIA

Each state will have their own individual webpage. This page will show visualisations specific to the selected state. One will be a graph showing changes over time, the particular data shown on this graph will be toggleable by the user, options will include: covid case numbers, vaccinations, hospitalisations, and deaths. Notable events will be marked along this graph. Another visualisation shown on this page will visualise summary statistics.