Project Title

1. Introduction

* A brief introduction to your website idea. State the goals of the project.
* The values / benefits (tangible and intangible) this application can bring to a company/organization/end-user.

2. Expected List of Features

* A brief list of features that you expect your website to support.
* Brief justifications for including these features.

3. Market Survey

* Do a survey of the Web to find about five web sites that might have similar ideas as yours.
* Briefly compare the features of these applications with your application idea.

4. References

* Give references to any material / websites / books etc. relevant to your application idea
* Give the links to the websites relevant to your idea, that you listed in the section above.

**Covid-19 Statistics**

1. Introduction:
   1. Website will visualize statistics of covid-19 case counts at a worldwide scale
      1. Cases
      2. Change in cases
      3. Deaths
      4. Recoveries
      5. Cases per age group
      6. Deaths per age group
   2. Website will visualize testing efforts based on data that exists
   3. Website will visualize the vaccination efforts at a worldwide scale (as data permits)
      1. Vaccination by age group
   4. This will help end users determine their risk level and when they will get an opportunity to get vaccinated.
2. Features:
   1. Line graphs showing trends in cases and deaths for each country and by timeframe will be displayed.
   2. Heat map will show local case trends
   3. Cases and deaths by age will be showed as stacked horizontal bar graphs with the option to switch to pie charts
   4. Website will shift to tables on mobile website (react based app to be made in the future for visualizations)
   5. Website sources which update in real time will be listed with a timestamp along with a link to the data source
3. Market Survey:

Websites with features that I’d like to gather, and combine are listed below:

* 1. <https://www.worldometers.info/coronavirus/>
  2. <https://covid-19.ontario.ca/data>
  3. <https://coronavirus.jhu.edu/map.html>

1. References:
   1. <https://github.com/owid/covid-19-data/tree/master/public/data>
   2. <https://en.wikipedia.org/wiki/COVID-19_pandemic#Data_and_graphs>
   3. <https://github.com/CSSEGISandData/COVID-19>