

Team Information

Team ID	16
Team Repo on GitHub	https://github.com/wilsonng-234/Team16

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Dev Branch	wilsonng-feature-A
Task Assignment	A

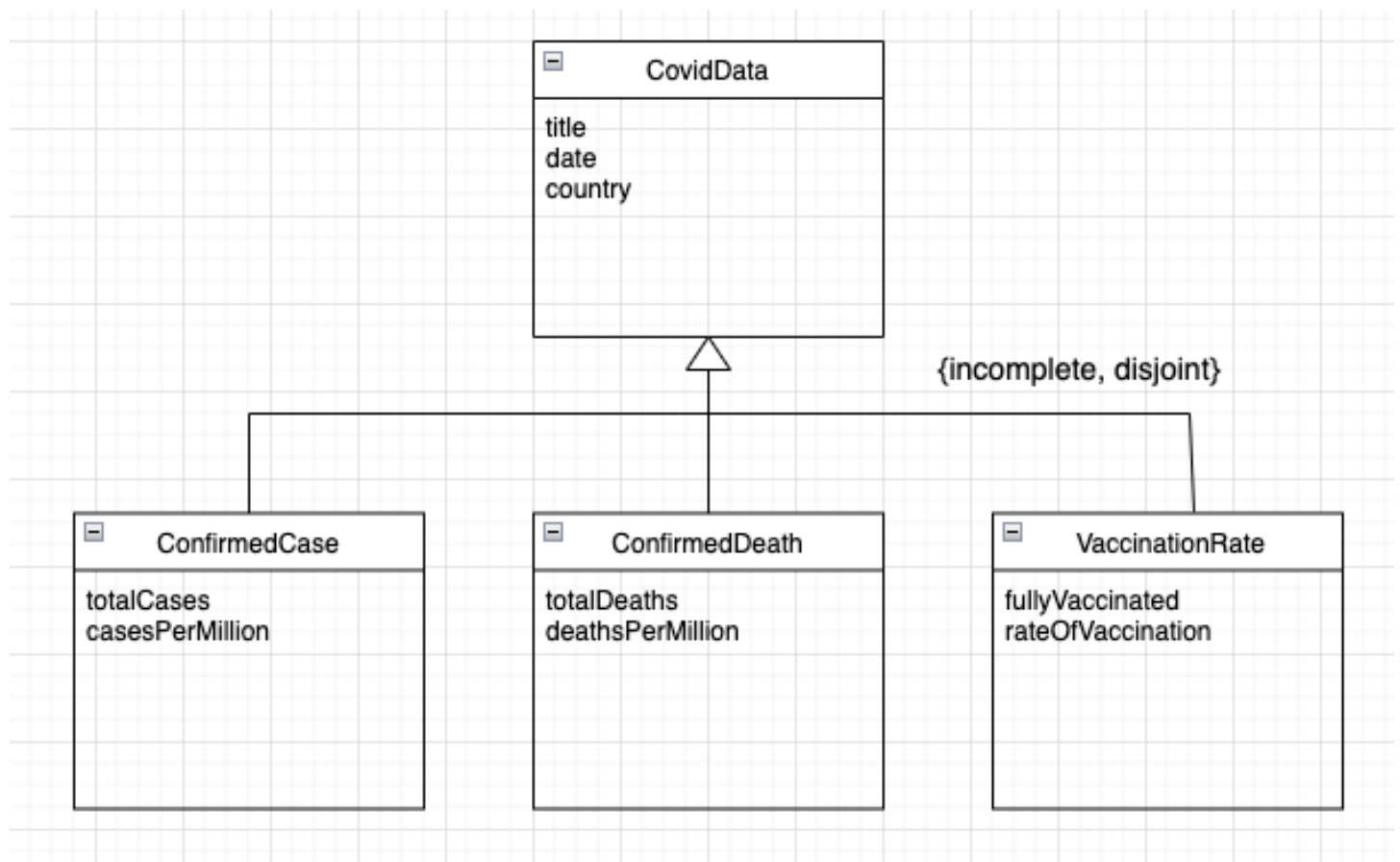
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Task Assignment	B

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Task Assignment	C

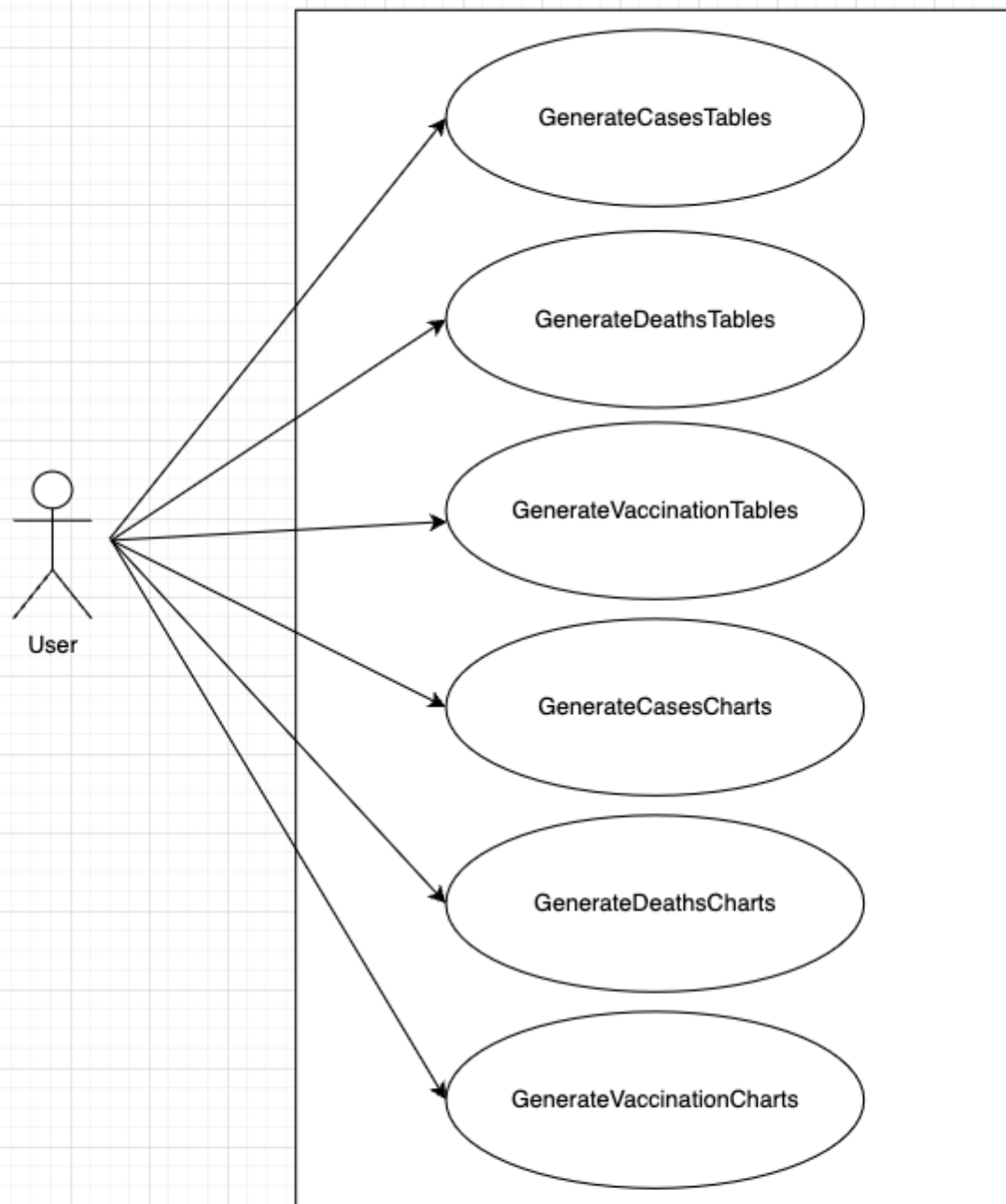
Submitted by: _____ CHIU, Chi Shing _____

Date of Submission: _____ 22/3 _____

Class Diagram (for overall system)

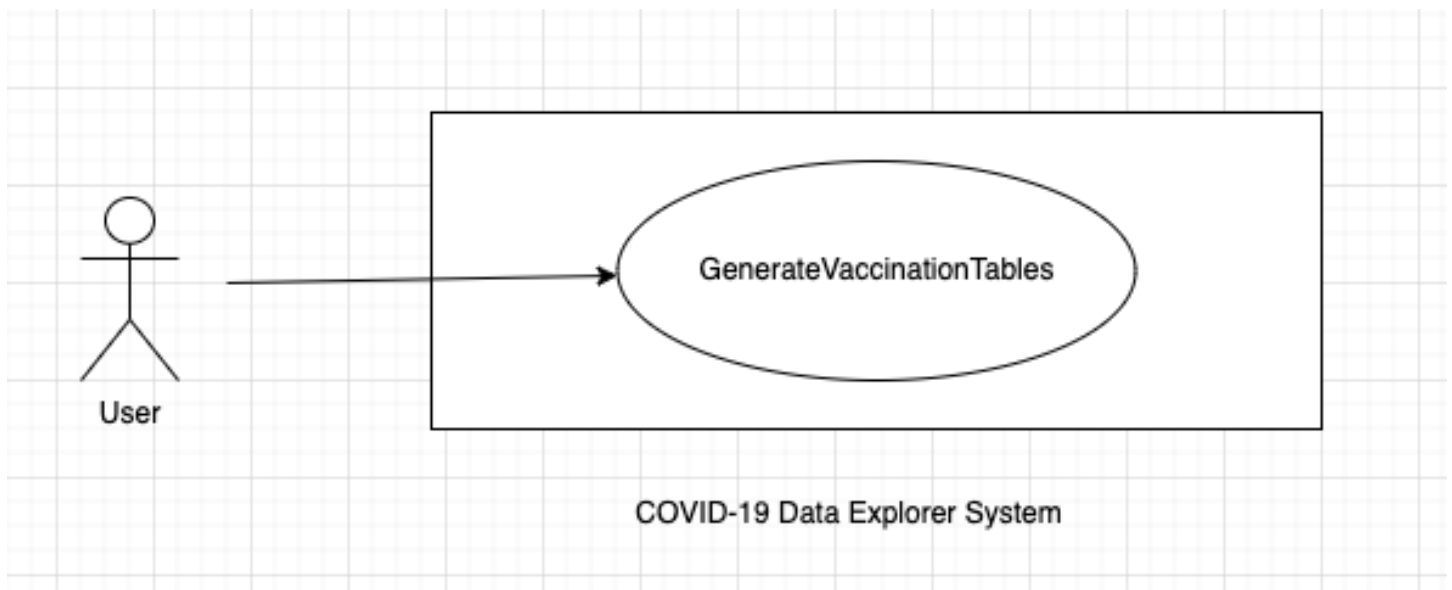


Use Case Diagram (for overall system)



COVID-19 Data Explorer System

Use Case Specification: Table-Generating Task (C1)



The system allow user to generate cases tables, deaths tables and vaccination tables for task A1, B1 and C1 respectively. And also cases charts, deaths charts and vaccination charts for task A2, B2 and C2 respectively

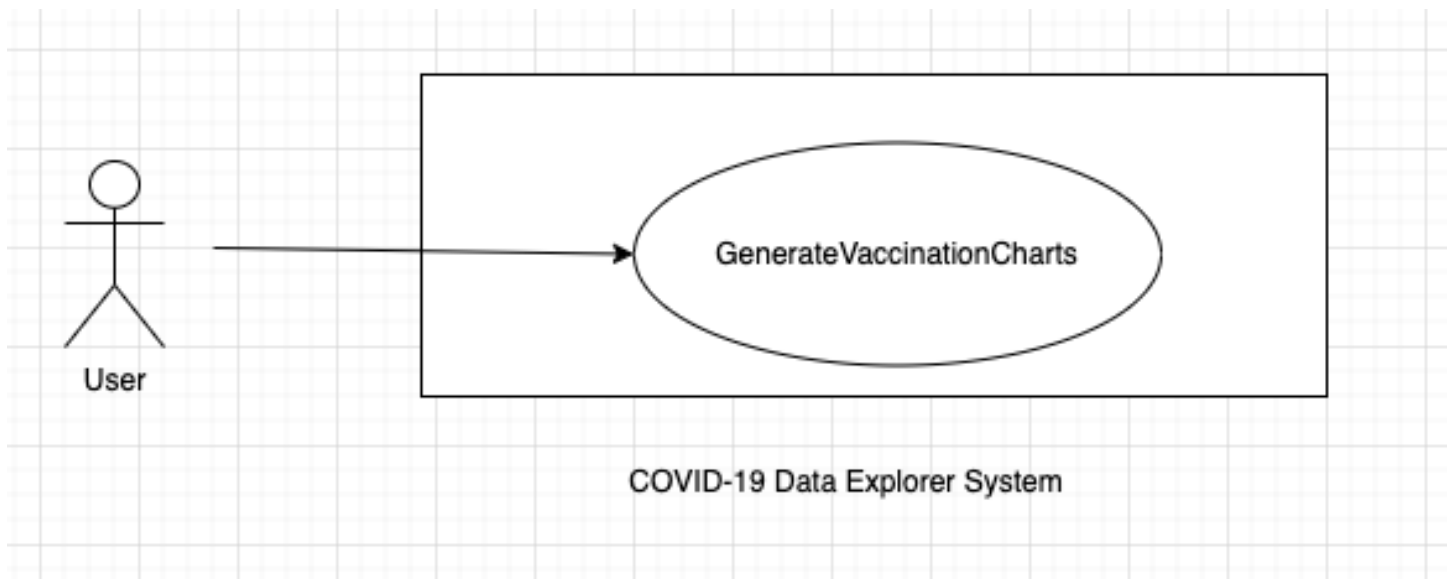
There will be 3 side bar taps characterizing the data of cases, deaths, and vaccinated rate, and 2 taps for showing data in table or chart. For this particular task(C1) Users choose the vaccinated rate and the table tap.

Users need to specify the date and select one or multiple countries from clicking a list of check box for displaying targeting data. And lastly, pressing the generate button to start the data explorer.

The outputting data is formatted in a table where the title will be like “rate of vaccination” with the selected date. There will be three columns which are the selected countries, fully vaccinated number, and the rate of vaccinated.

If users directly go into clicking generate button without any input of date or/and a set of countries, a warning dialog will pop up to remind users.

Use Case Specification: Chart-Generating Task (C2)



The system allow user to generate cases tables, deaths tables and vaccination tables for task A1, B1 and C1 respectively. And also cases charts, deaths charts and vaccination charts for task A2, B2 and C2 respectively

There will be 3 side bar taps characterizing the data of cases, deaths, and vaccinated rate, and 2 taps for showing data in table or chart. For this particular task(C2) Users choose the vaccinated rate and the chart tap.

Users need to specify a range of dates and select one or multiple countries from clicking a list of check box for displaying targeting data. And lastly, pressing the generate button to start the data explorer.

The outputting data is formatted in a chart where the title will be like “cumulative rate of vaccination”. A set of selected countries with the respective data of cumulative rate of vaccination would be plotted in the same chart, whereas x-axis is the selected date range and y-axis is the depending cumulative rate.

If users directly go into clicking generate button without any input of the rage of dates or/and a set of countries, a warning dialog will pop up to remind users.