

# COMP3297

## Software Engineering

### Quarantine Data Dashboard

#### User Stories

##### 1. Quarantine units info:

As a pandemic response staff, I want the dashboard to display the total quarantine units occupied by persons in Hong Kong, so that I can see if there is an outbreak in Hong Kong.

As a pandemic response staff, I want the dashboard to display the total number of unoccupied quarantine units, so that I can handle new quarantine person and to ensure there are units to spare.

As a pandemic response staff, I want the dashboard to display the three centres with the highest number of available unoccupied units, so that I can distribute people to the best centre.

##### Confirmation section:

1. Display of total quarantine units occupied by persons
2. Display of total number of unoccupied quarantine units
3. Display of the three centres with the highest number of available unoccupied units

##### 2. Quarantine people info:

As a pandemic response staff, I want to know the total number of persons quarantined with also the number considered “non-close contacts”. So that I can have a clearer picture on the actual number of infectants.

##### Confirmation section:

1. Display of total number of persons quarantined
2. Display of total number of persons considered “non-close contacts”

### 3. Quarantine people info:

As a pandemic response staff, I want to make sure the data obtained is correct, so that I do not have to spend extra time confirming and prevent possible recalculation on resources needed in each centres.

#### Confirmation section:

1. Given connection attempt is made and the government's data endpoint is not accessible. When user opens the dashboard, a warning will then be displayed with message "Sorry, something went wrong. Please try again later."
2. Given connection is made and the government has no data in past seven days. When user opens the dashboard, a warning will then be displayed with message "Sorry, no data found within the past 7 days."
3. Given both data sources' data can be retrieved, and the quarantine people count is not consistent between two data sources. When user opens the dashboard, a warning will then be displayed with message "Warning: Count is not consistent with quarantine records".