1. Information Display Section
   1. Description

The Information Display Section shall be on the homepage of the CMS. It contains two types of functionalities – provide useful information and display live status of emergency situations.

* 1. UI Design Description
  2. The toolbar for the user to select the type of information to be displayed - useful information or display live status of emergency situations, must be placed on top of the webpage.
  3. Under each subsection, the user must be able to choose what specific live info the user wants to acquire – weather, shelter, dengue or fires.
  4. A full map of Singapore must be placed under the toolbar, centre-aligned, and containing all necessary information.
  5. The user must be able to zoom-in and zoom-out the map according to the user ‘s preference.
  6. The textual description of the information shall be displayed under the map.
  7. Emergency Situation
     1. Description

Under this subsection, emergency information shall be displayed, and the corresponding status of each emergency incident shall be updated on the map. Emergency incidents include natural hazards, epidemic, traffic accidents, and accidents within crowded, confined areas.

* + 1. Common Display Format
       1. The user must be able to select the type of emergency incident to be displayed from a dropdown list at the top of the webpage.
       2. The categories of natural hazards, epidemic, traffic accidents, and accidents within crowded areas shall each have an independent dropdown list.
       3. Each incident must be marked on the map (of Singapore) according to the incident’s location by a coloured visible dot.
       4. The centre of the epidemic, dangerous zones along with the affected areas, shall be highlighted in red colour.
       5. When the user’s mouse move upon the dot representing the incident, key information such as incident type, location, and status shall be displayed in a popped-up bubble.
       6. When the user clicks on the dot representing the incident, the user shall be directed to an independent page containing specific information about the incident.
       7. Textual or Graphical illustration of the emergency situation shall be displayed under the map. Details of the illustration depends on the type of the accident (see the elaboration below).
       8. The information displayed on the map shall be updated at least every 5 minutes. Incidents with high emergency priority shall be updated immediately.
    2. Natural Hazards Category
       1. Natural Hazards Category shall contain fire, haze, tsunami, typhoon, earthquake, and earthquake aftershocks.
       2. The hazard’s date, location, intensity, possible harms, shall be displayed in a table under the map.
       3. Related hazard prevention and control information shall be displayed under the table.
    3. Epidemic Category
       1. Epidemic Category shall contain dengue, HIV/AIDS, bird-flu, and Zika. The category can contain more types of epidemic as time develops.
       2. The location, dangerous level, case number shall be displayed in a table under the map.
       3. Related epidemic prevention and control information shall be displayed under the table.
    4. Traffic Accidents Category
       1. Traffic accidents shall contain single car accident, two car collisions, and multiple vehicle pile-up.
       2. The centre of the accident, dangerous zones along with the affected roads, shall be highlighted in red colour.
    5. Accidents within Crowded Areas
       1. This category shall contain terrorist attacks and mass shooting.
       2. The location, attack intensity, and victims shall be displayed in a table under the map.
  1. Other Useful Information
     1. Common Display Format
        1. The user must be able to select the type of useful information to be displayed from a dropdown list at the top of the webpage.
        2. Each type of information (except for weather) must be marked on the map (of Singapore) according to the information category’s location by a blue coloured visible dot.
     2. Weather
        1. The information of today’s temperature, humidity, PM2.5, UV light intensity and air pollutants shall be displayed on the top-half of the webpage.
        2. The following week’s weather forecast shall be displayed under today’s weather information.
     3. Location of Civil Defence Shelters.
        1. The locations of CDSs shall be displayed on the map.
        2. User must be able to check the status of each shelter to see if it’s fully occupied.