**Functional Requirements:**

1. The application must be able to provide information about healthy eateries, caterers and HCS Products in Singapore.
   1. Information about eateries
      1. The eateries data must consist of the eatery’s name.
      2. The eateries data must consist of the address.
         1. The eateries address must consist of the building name.
            1. If the address does not consist of a building name, the application must indicate there is no building name.
         2. The eateries address must consist of the block number.
            1. If the address does not consist of a block number, the application must indicate there is no block number.
         3. The eateries address must consist of the street name.
         4. The eateries address must consist of the postal code.
         5. The eateries address must consist of the floor number.
            1. If the address does not consist of a floor number, the application must indicate there is no floor number.
         6. The eateries address must consist of the unit number.
            1. If the address does not consist of a unit number, the application must indicate there is no unit number.
   2. Information about caterers
      1. The caterers data must consist of the shop name.
      2. The caterers data must consist of the address.
         1. The caterers address must consist of the building name.
            1. If the address does not consist of a building name, the application must indicate there is no building name.
         2. The caterers address must consist of the street name.
         3. The caterers address must consist of the postal code.
         4. The caterers address must consist of the floor number.
            1. If the address does not consist of a floor number, the application must indicate there is no floor number.
         5. The caterers address must consist of the block number.
            1. If the address does not consist of a block number, the application must indicate there is no block number.
         6. The caterers address must consist of the unit number.
            1. If the address does not consist of a unit number, the application must indicate there is no unit number.
   3. Information about HCS Products
      1. The information of product must consist of product’s name.
      2. The information of product must consist of product’s brand name.
         1. If the product does not consist of a brand name, the application must display “nil”.
      3. The information about HCS Products must consist of product’s weight.
         1. If the product weighs more than or equal to 1 kilogram, the application must display the unit in kilogram (kg).
         2. If the product weighs less than 1 kilogram, the application must display the unit in gram (g).
         3. If the product is a kind of beverage and weighs less than 1 litre, the application must display the unit in millilitre (ml).
         4. If the product is a kind of beverage and weighs more than 1 litre, the application must display the unit in litre (L).
      4. The HCS Products must be categorized into the following categories - Fruit and Vegetables, Ice Cream, Meat and Poultry, Sauces, Soups and Recipe Mixes, Seafood, Legumes, Nuts, and Seeds and Miscellaneous.
2. The application must allow user to search for the entered keywords from Healthy Eateries’ Category.
   1. The search function must be able to search for the eateries via the eatery’s name.
   2. The search function must be able to search for the eateries via the eatery’s address.
3. The application must allow user to search for the entered keywords from Healthy Caterers’ Category.
   1. The search function must be able to search for the caterers via the caterer’s name.
   2. The search function must be able to search for the caterers via the caterer’s address.
4. The application must allow user to search for the entered keywords from HCS Products’ Category.
   1. The search function must be able to search for the products via the product’s name.
   2. The search function must be able to search for the products via the product’s brand.
5. The application must display “No Results Found” when there are results returned after searching through the dataset.
6. The application must be able to filter the results by distance from user’s current location.
7. The application must be able to sort the results.
   1. Sort the results by Map View.
   2. Sort the results by List View: A-Z
   3. Sort the results by List View: Z-A
8. The application must have a “Favourite” list
   1. The application must allow user to save the location information into the “Favourite” list.
   2. The application must allow user to remove the entries from the “Favourite” list.
   3. The application must allow users to filter their favourite list according to eateries or caterer
9. The application must allow user to send feedback about the location.
10. The application must allow user to change his/her settings.
    1. The settings must consist of a toggle button to enable/disable push notifications.
11. The application shall send a push notification to the user whenever there are new healthy eatery or caterer added.
12. The application must allow the user to send a feedback when an incorrect data about an eatery has been displayed.
13. The application must switch from List View to Map View when the user selects an entry from the list of eateries or caterers.
14. If map view is selected, the application must be able to show the user’s current location on the map.

**Non-Functional Requirements:**

1. When starting the application, the loading time should not exceed 10 seconds for 90% of users.
2. Search results of any category must be delivered within 3 seconds for 90% of users.
3. 80% of first-time users must be able to perform a search within 1 minute of starting to use the application.
4. The application must respond to login request (with successful or failed authentication) within 5 seconds for 85% of users in the network environment with at least 1Mbps speed.
5. The application will be running under Android OS.