**INT305 Lab 14 Query**

1. Download Lab14\_Query.zip and unzip the file
2. Open a terminal and change directory to the folder “Lab14\_Query” and run “npm install”

cd Lab14\_Query

npm install

1. Open VS Code, the file structure of Lab 14 as follows:

Graphical user interface, application

Description automatically generated

1. Copy your init.js from Lab 12 and paste it in src/firebase/init.js

Text

Description automatically generated

1. Open src/App.vue, the source code is shown below:

Graphical user interface, text, application, email

Description automatically generated

You can add more queries using <RouterLink> with dynamic route matching with Params as “/query/:id”.

1. The route path /query will call the component QueryView.vue in the folder “src/views”

Text

Description automatically generated

1. Open src/components/Documents.vue, the source code is shown below:



1. Run the project.

$ npm run dev

Output

Graphical user interface, text, application

Description automatically generated

Report 1

Text, letter

Description automatically generated

Report 2

A picture containing table

Description automatically generated

1. Modify “src/App.vue” and “src/views/QueryView.vue” in order to retrieve data for the following queries: (Capture your output and Query source code for each report)
   1. [Report 3] List cities in DC with population > 40000.

Graphical user interface, text

Description automatically generated

* 1. [Report 4] Count cities in DC (state).

Graphical user interface, text

Description automatically generated

* 1. [Report 5] List cities in DC or cities with population > 100000.

Text

Description automatically generated

* 1. [Report 6] List cities in DC and sort the cities by population.

Graphical user interface, text

Description automatically generated

* 1. [Report 7] Show the total population in DC (state).

Graphical user interface, text

Description automatically generated

1. To submit your work:
   1. Copy the INT305\_Lab14\_Query.docx to the folder “Lab14\_Query”.
   2. Remove the folder “node\_modules”
   3. Rename the Lab14\_Query to xxxxxxxxxxx
   4. Compress it as xxxxxxxxxxx.zip.
   5. Upload the zip file to LEB2.