Assignment design proposal

KWUN HEI ANDY HO - 054547112

akho5@myseneca.ca

DATASET

NUMBER OF FULL-TIME AND PART-TIME EDUCATORS IN PUBLIC ELEMENTARY AND SECONDARY SCHOOLS, BY AGE GROUP AND SEX, CANADA, PROVINCES AND TERRITORIES

http://open.canada.ca/data/en/dataset/e95f4968-2750-408c-8a1b-c6c9ba365861

Executive Summary

The purpose of this app is to determine the number of elementary teachers, both full time and part time, within Canada. The app will query a dataset containing the number of educators for each year, location (province), full time/part time, age, and gender and display the data in a user friendly layout. The app will allow a user to search by each category (with auto completion).

Why Mobile

As mobile devices become more and more powerful, it has become something that almost everyone keeps with them at all times. It has made searching for information much easier. Which is why making this app for mobile is a good choice. By having the application on the mobile device, it eliminates any need to search on a computer.

List of Features

- User friendly query
- Autocomplete
- Comparing data
- Table format of data

Expected Users

Users of this app will be anyone who is interested in this data and wishes to know the statistics of elementary school teachers within Canada. Reasons for using the app can be if a user wants to be a teacher and is looking up the statistics of each province etc. Other reasons can be if a user just likes statistics.

Common Use-Cases

Simple query

User submits a query with the default values (most recent year, all of Canada, both full time/part time etc.)

The system will return the data in a table format

Comparing data

User submits another search

The system will append the new query information above the old information

Clearing data

The user clears the queried data

The system will remove all queried searches and the table will be empty

Mock Ups

*Each column will be populated accordingly

Timeline

August 2 – 9:   Layout

JSON parsing

Query and display/formatting data into table

August 10-15:   Dropdown

Autocorrect + suggestions