

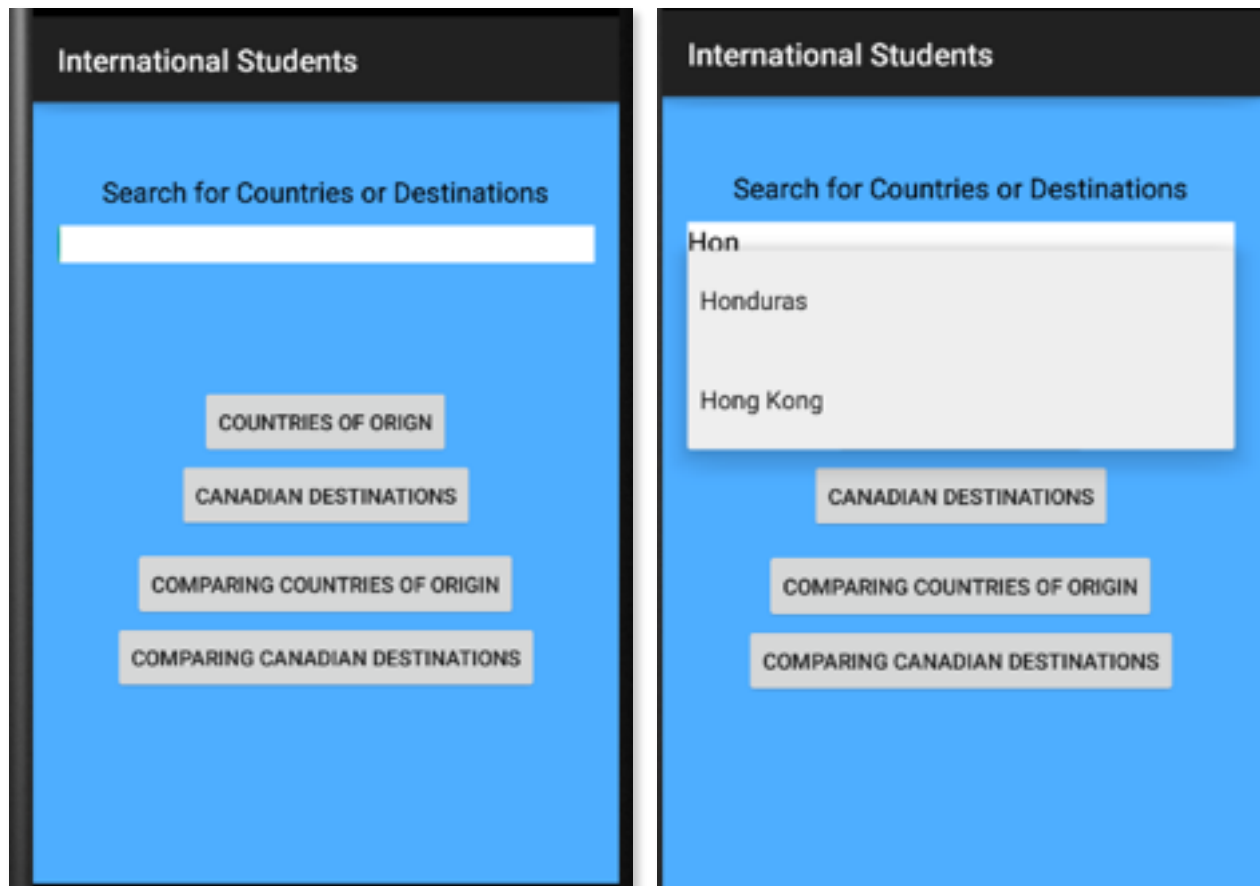
MAP524
Android Project:
International Students

[https://github.com/Nelain/MAP524/tree/master/
International_Students](https://github.com/Nelain/MAP524/tree/master/International_Students)

Kelan Bo Li
0632020113
August 16, 2015

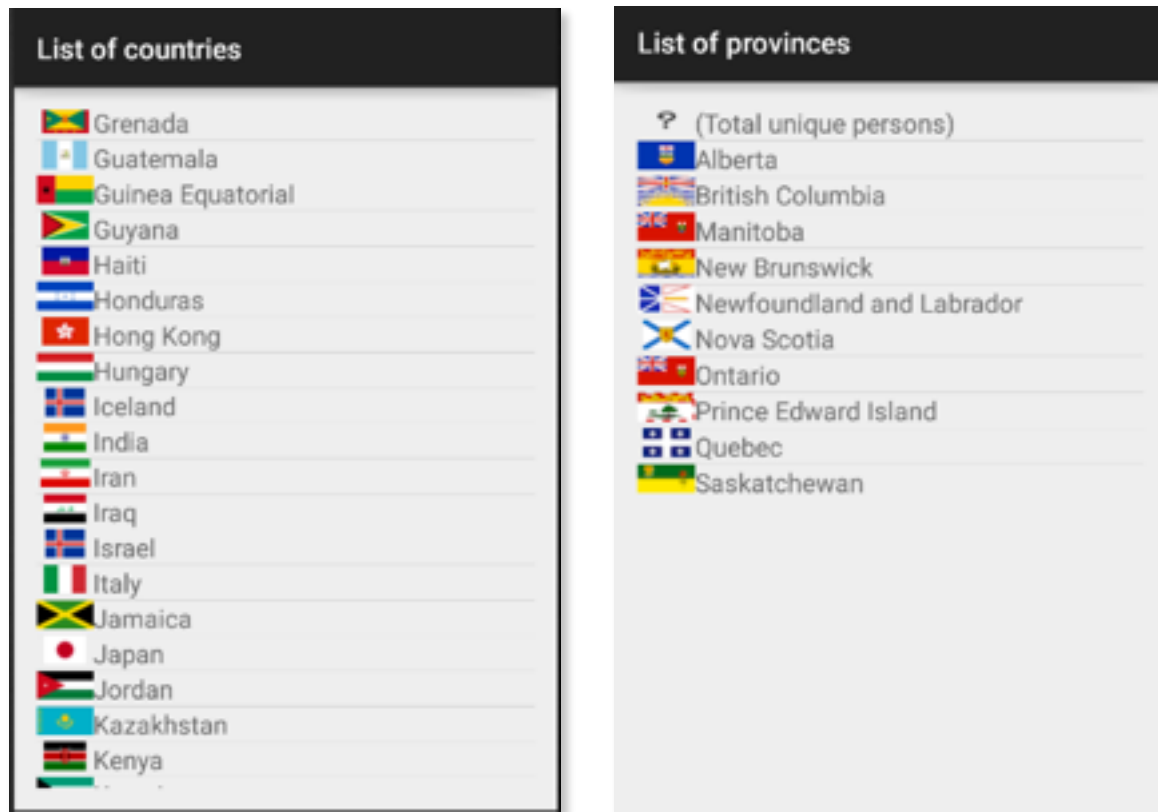
1. FEATURE LIST

1.01. Auto-complete search function on the start screen



The app let the user search for both origin country and destination province on the start screen. By entering the first two (2) letters of a region (country/province) name, a list of all regions fit that criteria will pop-up. User can then select one of the opinion, which will display the corresponding page (see section 1.03).

1.02. Selectable list of regions with icons

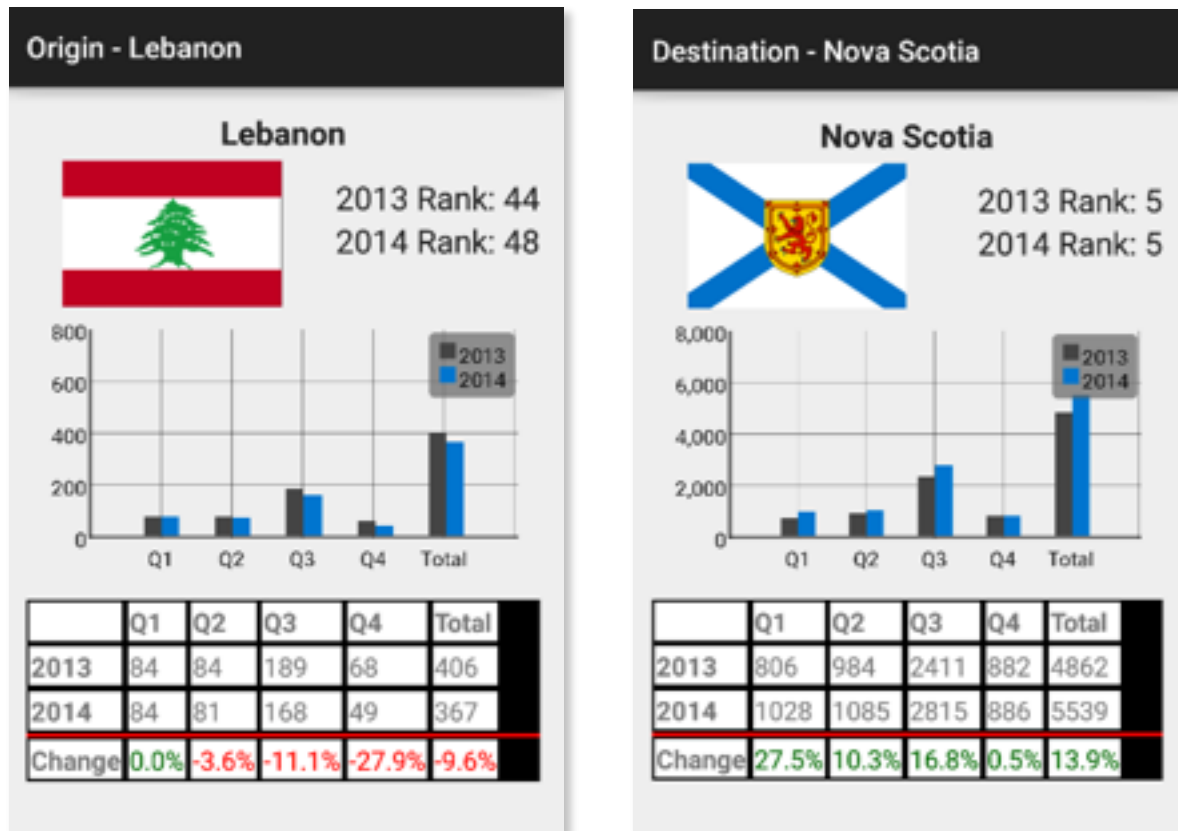


All countries with students arriving in Canada are listed in a scrollable view. Selecting a country reveals a detailed view with arrival numbers from that country for each quarter of the years 2013 and 2014.

All Canadian provinces are listed in a scrollable. Selecting a region reveals a detailed view with arrival numbers to that region for each quarter of the years 2013 and 2014.

All regions have appropriate flag icon in front of their names.

1.03. Detailed view with calculated data, remote resources, and generated graphs

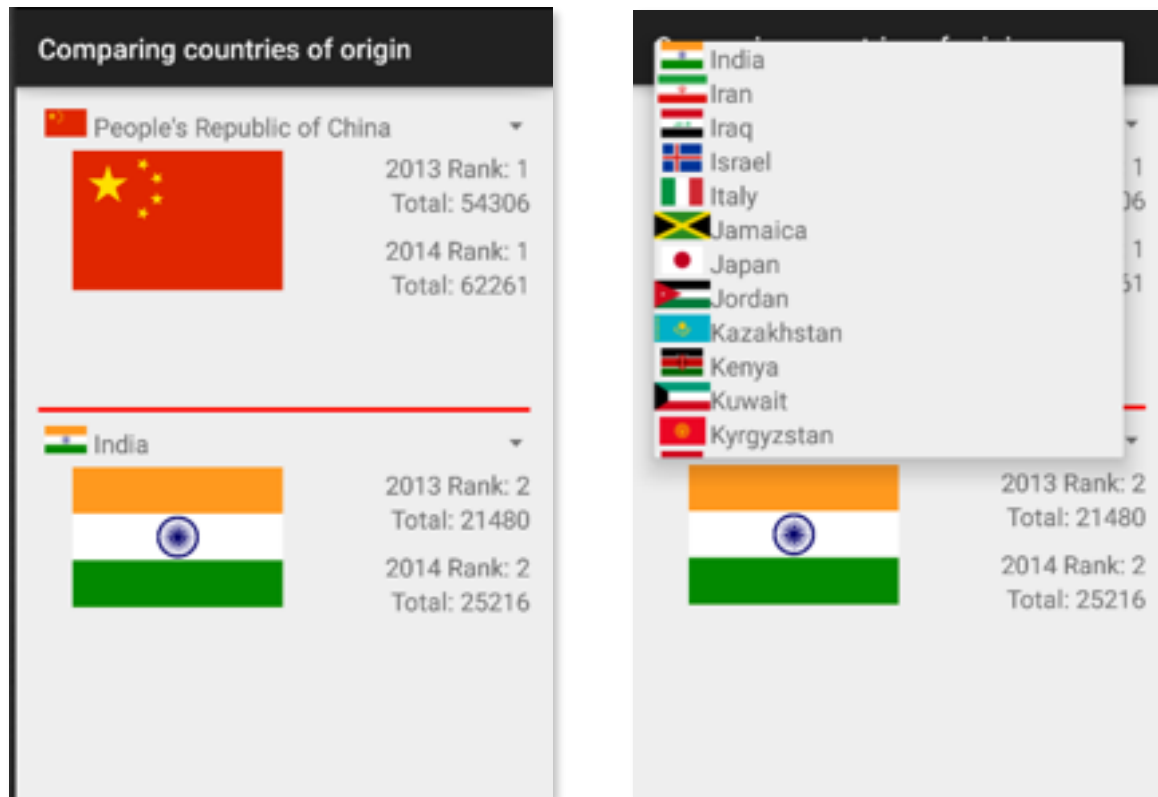


In the detailed view for origin countries and destination provinces, there are information not found in the original data source, such as the country/region flag, ranking, and percentage change between 2013 and 2014.

The detailed view also contain graphs generated from data, this gives the user a visual representation of the information.

The flags for origin countries are loaded from remote urls.

1.04. Comparison of two countries or two provinces



The app let user compare two countries or two provinces in the same screen. The data listed in this screen would not be as detailed as the single item screen (due to the lack of screen size). However, key data are still presented.

This screen has two spinners (dropdown lists) which the user can use to select the regions to be compared.



2. LIMITATIONS

2.01. No Canadian Territories

Northwest Territories	25	8	9	5	47	--	--	13	--	23
Nunavut	--	0	0	0	--	--	0	0	--	--
Yukon	5	5	13	--	23	7	7	10	--	24
Not stated	0	0	1	5	5	1	0	0	1	2

The data from Canadian territories are incomplete. There are many missing fields and this makes generate graph and calculated data difficult. I did not want to modify the original data so I choose to leave the Canadian territories out of my App.

3. SOURCE CODE

https://github.com/Nelain/MAP524/tree/master/International_Students