

# Android App Proposal Assignment

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Date: August 3, 2015  
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Re: Android App Proposal

Introduction: In response to the Android App development assignment that is a part of MAP524 Course, i would like to develop my application on Foreign Exchange rates in Canadian Dollars. The name of the application will be "Canadian Foreign Exchange Rates".

Summary: This application will use the Dataset of Foreign exchange rates in Canadian dollars which is provided by the Canadian government dataset website. The dataset includes information of foreign exchange rates from year 1950 to 2015 and the information is on monthly basis. There are a number of countries whose foreign exchange rates are given in the dataset. So, the basic feature of the application will be user will launch the application and select a country whose foreign exchange rate he/she wants to know and this will be a autocomplete view where he will have to type only first two letters of the country and the list of available countries following that two words will display. The user will the select a country of his choice and he will enter a new activity where he will be asked to select a month and a year which will both be displayed as a listview and user can select from 1950 to 2015 by scrolling through the listview. As the user selects the month and year, information will be retrieved from the dataset and displayed on the screen with the name of the country and month and year and the foreign exchange rates in Canadian dollars. There will be two additional buttons available at the bottom of the screen with text "Yes" and "no, thanks", prompting if the user wants to check more or if he wants to quit the application. If user presses yes, he will be directed to the first activity and if no then the application will stop and quit. There will be two options in the menu on the top where 1<sup>st</sup> option will be settings which is basically to change the background color of the App from dark to white and white to dark, which will also be selected by listview and second option will be "About", which will include the contact information of the developer and the version of the application.

The Necessity of this application is due to the need of a particular App that can provide foreign exchange rates of the past years which is hard to retrieve online. There are a number of trends followed by the exchange rates which are probably due to number of incidents that effected the economy of Canada and other countries. On the basis of the education prospective this makes it easier to find the year and month when the economy was high and low and then the user can search for the events followed by that time to understand the rise and fall in economy. Also, it is very interesting to find the rise and fall of other economies as compared to Canadian economy, like where a particular country's foreign exchange rate was a couple of years ago and where it is today.

Why a mobile app:

1. Accessibility because of its simple user interface and easy to use anywhere.
2. No internet connection needed once you download the app.
3. As android is the most commonly used operating system so it will be a success.

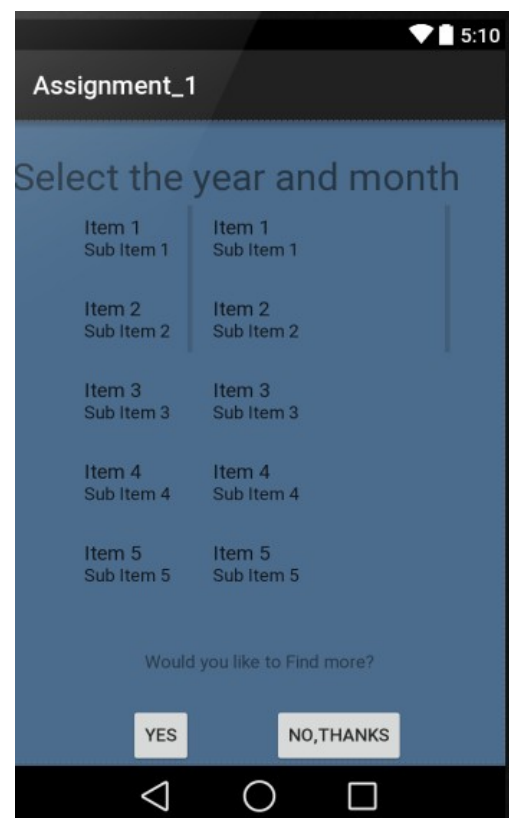
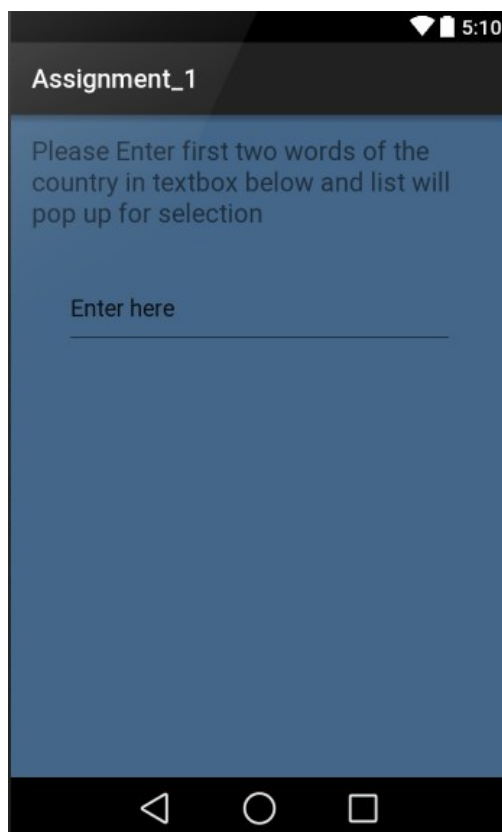
Features: The basic app features will be:-

1. A list of countries available for selection with an autocompleteview.
2. Month and Year selection with a listview.
3. Retrieval of information from the dataset.
4. Buttons present at bottom for new start or to quit the application.
5. Simple user interface.

Expected Users/Market: This application is particularly targeted for Canadian people who are interested in learning about economy and also for the students who want to learn the trends followed by Foreign Exchange rates over a number of decades in the past.

- o Students learning economy.
- o Professionals who want to understand the changes in economy.
- o People who invest in foreign market and want to learn trends over years.
- o People who are interested in gathering knowledge.

Screenshots:



Timeline:

Date	To be done	End Result
August 4, 2015	Start developing code for the application.	Creation of project files.
August 11, 2015	Implement all the features mentioned and check them	Finalisation of the application and testing.
August 16, 2015	Publishing of the application	Application will be published.