

# **Federal Election History**

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## **Executive Summary**

I propose to design and build the Android application, Federal Election History to complete the required assignment for the MAP524 course. It is very difficult to sift through any election data/results to make sense of or get the information you want. The app aims to provide information about Canadian federal elections from the year 1867 till 2010. The app will provide data on all the contestants in every riding including their names, party affiliation and the votes each person polled. It aims to be a comprehensive directory to anyone interested in Canadian politics of the past till the present.

The app will display the details like the occupation of a particular contestant so it becomes easier to determine which occupation the majority of contestants came from. The total votes cast in a particular election can be accessed and through this information the app provides a perspective of the Canadian political landscape.

A mobile app is ideal to show this information as it makes the data easily accessible to anyone with a smartphone. The dataset is static and can be assessed offline too. The users can easily use the given filters in the app and get the information he desires at their fingertips. Once the app is launched the user can go back anytime to access the data and the information will always remain in his mobile device.

## List of features

1. Main Page gives option to select the year of election and the province and also the riding.  
Shows the results in text as well as a picture.
2. Search for the name of a contestant.
3. List the data for a particular riding through the years.
4. The percentage by which a particular riding was won.
5. The occupation who gave the most number of contestants.

## Summary of users/market

The app is mainly intended for users interested in Canadian politics. They can easily determine the results of a particular riding to the results of the entire elections. They can track how the Canadian public voted through the years.

The app is also useful to history buffs who wants to know the history of Canada through its politics. They can access the data all the way back to 1867 when the first Parliament was elected.

The app is also helpful to students doing research on Canadian politics and wants to see the election results in an easy to understand way. The app represents the data as a picture so it provides useful insights into the voting patterns of the Canadian public.

## **Use Case Scenarios:**

1. Searching for a particular riding and year- User wants to know the results for a particular riding for a certain year.
2. Searching for a particular riding- User wants the list of all the results of a particular riding through the years.
3. Mapping of a particular result – User wants to see the results as a pie chart or bar graph.
4. Listing of an occupation- User selects an occupation from the list provided and the app displays the people through the years who had the occupation.
5. The Maximum Vote Margin- The person who won the election with the maximum margin.

## Mock-up of the application

The image shows a mobile application mock-up for "Federal Election History". At the top is a dark header bar with the title "Federal Election History" and a menu icon (three vertical dots). Below the header is a light gray main content area. In the center, there are two text input fields: the first is labeled "select election year" with a teal underline, and the second is labeled "select riding" with a gray underline. Below these fields is a gray button labeled "SEARCH". Further down, there are two more gray buttons: "SEARCH BY NAME" on the left and "SEARCH BY RIDING" on the right. At the bottom of the main content area is a gray button labeled "OCCUPATION LIST". The entire app is framed by a black Android-style status bar at the top (showing 3G, battery, and 10:40) and a black Android-style navigation bar at the bottom (showing back, home, and recent apps icons).

3G 10:40

### Federal Election History

select election year

select riding

SEARCH

SEARCH BY NAME SEARCH BY RIDING

OCCUPATION LIST



10:32

## Federal Election History



### Election Result

Election result in text form

Election result in pie chart





10:59

## Federal Election History



Search By Name



the person full election history if  
found





10:58

## Federal Election History



Search By Riding



list of results of a riding through the years







10:36

## Federal Election History



### Occupation List

list that displays the occupation  
that gave the most MPs



## Timeline for Implementation

Activity	Time Required	Dates
Proposal submitted	10 hours	November 1
Designing the application	20 hours	November 1-10
Building the application	40 hours	November 10-25
Testing the application	20 hours	November 25-27
Submitting the application	3 hours	December 1