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## Enterprise Frameworks Project Proposal

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## Overview

The application will allow users to log into a website, and build custom reports based on data pertaining to campaign contributions during the 2006 and 2010 local elections in Toronto, Canada. Users will be able to filter reports by a number of criteria, and their reports will be automatically saved on their user account. Reports will be available as HTML, PDF or other formats.

If required, a report can be displayed on Google Maps, to demonstrate the breakdown of campaign contributions per city area.

## Identify specific dataset

The dataset to be used is a breakdown of campaign contributions for the following elections in Toronto, Canada:

* Mayoral Race 2006, 2010
* Council Elections, 2006, 2010
* School Board Elections, English Public, 2006, 2010
* School Board Elections, English Catholic, 2006, 2010
* School Board Elections, French Public, 2006, 2010

All data is taken from the Open Data Initiative in Toronto, located at <http://www.toronto.ca/open>. The data is in Excel format.

## Identify outputs for the user – describe use cases

The user interaction with the application will be as follows:

* User will log into to application; if it is their first access then they will be prompted to register
* User is given a brief explanation of the datasets.
* User builds a report by selecting from dropdown menus or similar, filtering on the election type, candidate name, ward number, and so on
* The report is built for the user and displayed on screen. Options are given to export the report as a PDF or spreadsheet.
* The report will also be viewable on a Google Map to show campaign contributions by city area.

All user queries will be stored in the database and will be accessible on subsequent logins.

## Typical User Queries

The typical report building sequence will be:

1. Select a specific election (i.e. 2010 city council election)
2. Filter by one of the following:
   1. Candidate name
   2. Contributor name
   3. Post Code
   4. Amount of Donation
   5. Contribution type (personal, services, etc.)
3. Create report and display on screen
4. Show report on Google Maps
5. Export report in alternative format

## Data Model

sfsd

## Populate the database with datasets

sdfs

## Decide what data manipulation is required – (C# bit)

asd

## Design interface to the database – (asp bit)

ad

## Frontend design (asp)

* Login screen
* New user registration screen
* Home screen with list of stored reports
* Report query screen
* Report output screen