

# CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 85

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

## **Project Description**

Our application's domain will be electoral and voting management. The aspects of the domain modeled by the database are registered voters, polling locations, and casting of ballots, as well as the collection of votes and assigning them to candidates. This application will be useful during an election season, where it is important for voters to get all the info they could possibly need about their candidates, their platform and how they can vote, all in one easy to use app.

## **Database Specifications**

The functionality the database provides is as follows: it will allow voters to register to vote, as well as register party affiliation if they so desire. In addition, it will keep track of candidates, their party, their policies and whether or not they have been elected to parliament. It will allow election officials to change a voter's status from "not yet voted" to "voted" when they receive their ballot at the polling station, and it will allow voting machines or officials to tally the votes for each candidate in the riding. It will also assign the winning candidate to their riding in Parliament. Live vote counts and winning candidates can be accessed publicly (for journalism, freedom of information to the public, etc).

## **Description of the Application Platform**

Our application will use Oracle, the database provided by the department.  
The expected application technology stack is Java Swing and the Oracle database.

# ER Diagram

