University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 34

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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.

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What is the domain of the application?

The domain of this application would be information for constituents. More specifically, it would provide information on past, current, and upcoming elections, along with the different politicians, their platforms and voting records in the Parliament, to ensure voters can access all this information easily and make an informed decision on who to vote for.

What aspects of the domain are modelled by the database?

Some of the things to be addressed are accessibility of information for voters, and helping voters to make informed decisions when they decide to vote as a neutral third party. Both of these fit within our domain of providing information to constituents. Our application will serve as a medium for people to easily look up and understand the values of who and what party they are voting for. For example, a single parent may want to know which politician/party introduced and voted for good childcare policy bills. As another example, a home seeker may want to know which politician/party introduced and passed bills that prevent real estate flipping or increase subsidies.

Database specifications:

Firstly, users can check the information of specific politicians (e.g. Name, Political Party, Electoral District, Platform). In addition, users can check who introduced specific bills, the voting records of specific politicians/political parties for a specific bill, and the approval rate of specific politicians/parties in specific electoral districts. Finally, users can see member lists of specific committees in the House of Commons and check whether the committee has passed or blocked specific bills.

Application platform:

For the database itself, we will use the provided Oracle server. For the user interface of our DBMS, we will use JavaScript. In order to achieve the connection between the front-end and the back-end database, we will use Node.js

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ER diagram