University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 48

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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

Milestone 1

2) Project description

A) Domain of project –

The domain that we are modeling is the Canandian Political social media domain where users can rate and comment on politicians. Our application is a nonprofit website whose purpose is to help Canadians be more informed and engaged in domestic politics.

B) Aspects of the domain modeled by database -

- The database will store various politicians, who will each be associated to a party. The Database will also store any videos or articles related to the politician. A politician must be a premier, mayor or prime minister candidate.
- Database will store accounts of two types – a normal user and a fact checker. Both account types will have a unique id and password.
- A normal user can add comments (stored in database) and a fact checker verifies the comments.
- Normal users can add unique preset tags to their comments which have a positive or negative leaning.
- When a normal user adds a comment, it is treated as an aggregation that will affect a politician's rating.
- Fact checkers will be able to verify user comments and add a tag on the comment to signal to user if a comment is factually correct or not.

3) Database specifications

A) What benefit does the database application provide -

Our application provides Canadians with a website to easily rate and share their opinions of specific politicians. The website will also provide links to videos and article written about each politician. Compared to other websites, we have fact checkers who will verify the validity of claims made by users. The videos and articles that are linked to politicians are also only added by admins to ensure legitimacy. This will allow Canadians to have a website visit to get reliable information on politicians.

B) What functionality will the database provide -

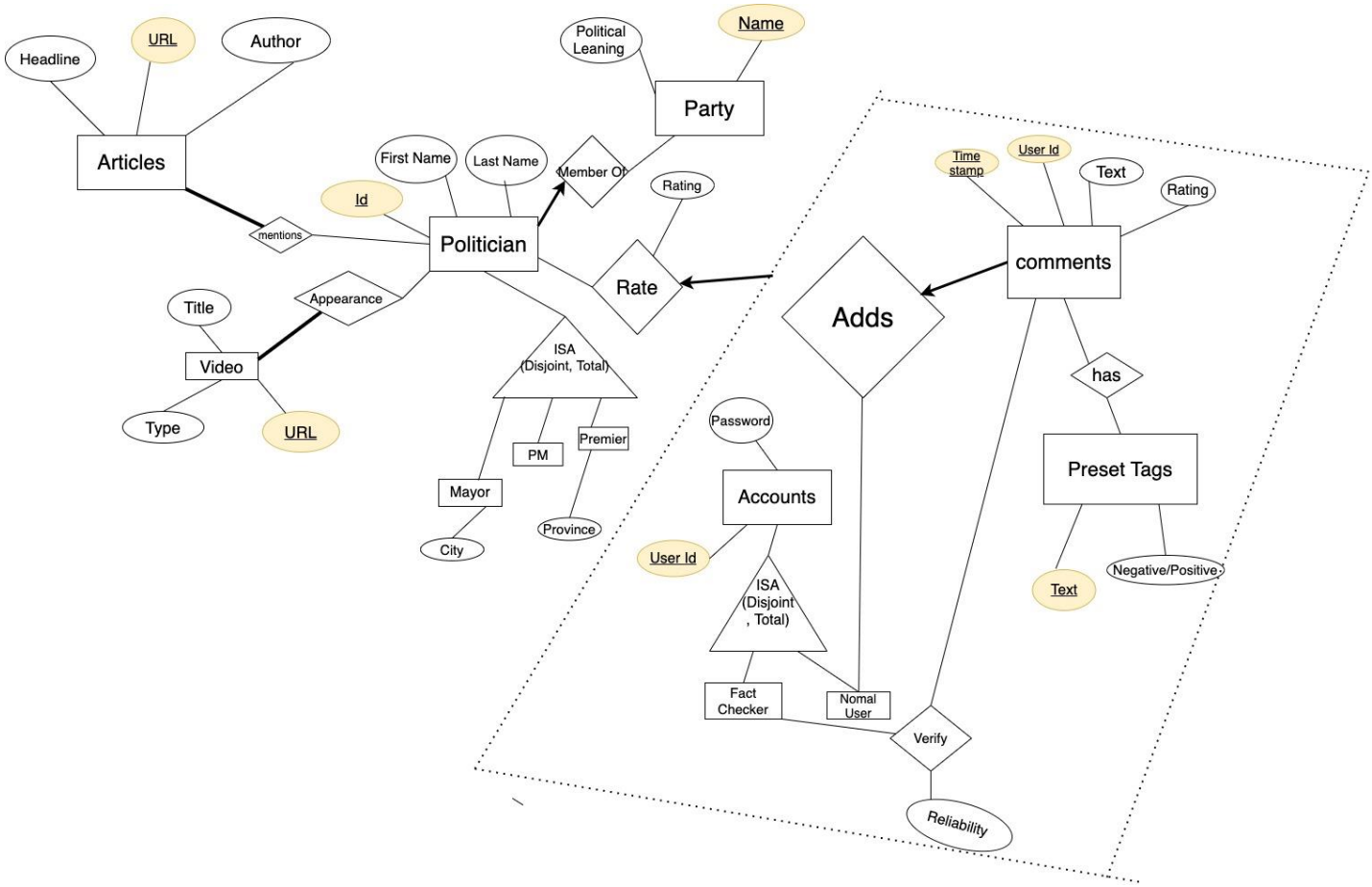
Our application is able to allow users to add comments and rate on specific politician and the rating and comments will be stored in the database to be presented to other users. Our database will also store some preset tags (positive or negative) which users can use to comment on politician which will be standard among all users. Articles and videos related to the politician are also stored in database to provide the users some overview of a politician's work and personality. The database will contain

admins who will manage (I.e. modify/add/delete) politicians, articles, videos, accounts, comments and tags.

4) Description of the application platform:

This project will be done using CPSC department's Oracle database system, using JAVA. Our technology stack will include HTML/CSS and JavaScript in the front end and NodeJS, express, PostgreSQL in the back end. We do not anticipate using any special software or hardware.

5) ER diagram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