

# University of British Columbia, Vancouver

Department of Computer Science

## CPSC 304 Project Cover Page

**Milestone #:** 1

**Date:** Wednesday, May 31, 2023

**Group Number:** 10

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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 email 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.

## **2. A brief project description answering these questions:**

### ***a. What is the domain of the application? Describe it.***

This domain of this application represents a scholarship portal similar to those that universities use for high school students to apply for scholarships. The primary responsibility is to allow applicants (students) to apply for scholarships donated by donors and organized by the scholarship committee. This application also includes a section where superintendents can recommend a shortlist of candidates to the university and for references to add their reference letters. Our goal is to model the scholarship process from start to end - from applying to evaluating to receiving a decision.

### ***b. What aspects of the domain are modeled by the database?***

The database will model Applicant, Application, Reference Letter, Scholarship Committee, Donor and Superintendent as entities with specified attributes. Moreover, the database will model the relationships between them that include writing, evaluating, requiring (reference letters), organizing (scholarships), requesting (recommendations), recommending (to the committee) and donating.

## **3. Database specifications: (3-5 sentences)**

### ***a. What functionality will the database provide?***

The database will allow the user to retrieve information about a scholarship. There will be options to view the applicant's application details, the scholarship's donor, and the superintendent endorsing the applicant. This database is intended to be accessed by individuals on the scholarship committee to give them an overview of the scholarship and all its applicants and their details.

## **4. Description of the application platform: (2-3 sentences)**

### ***a. What platform will your project use (PHP/JDBC/etc.)?***

### ***b. What is your expected application technology stack (i.e., any other things that you're using other than whether you're using PHP or JDBC)?***

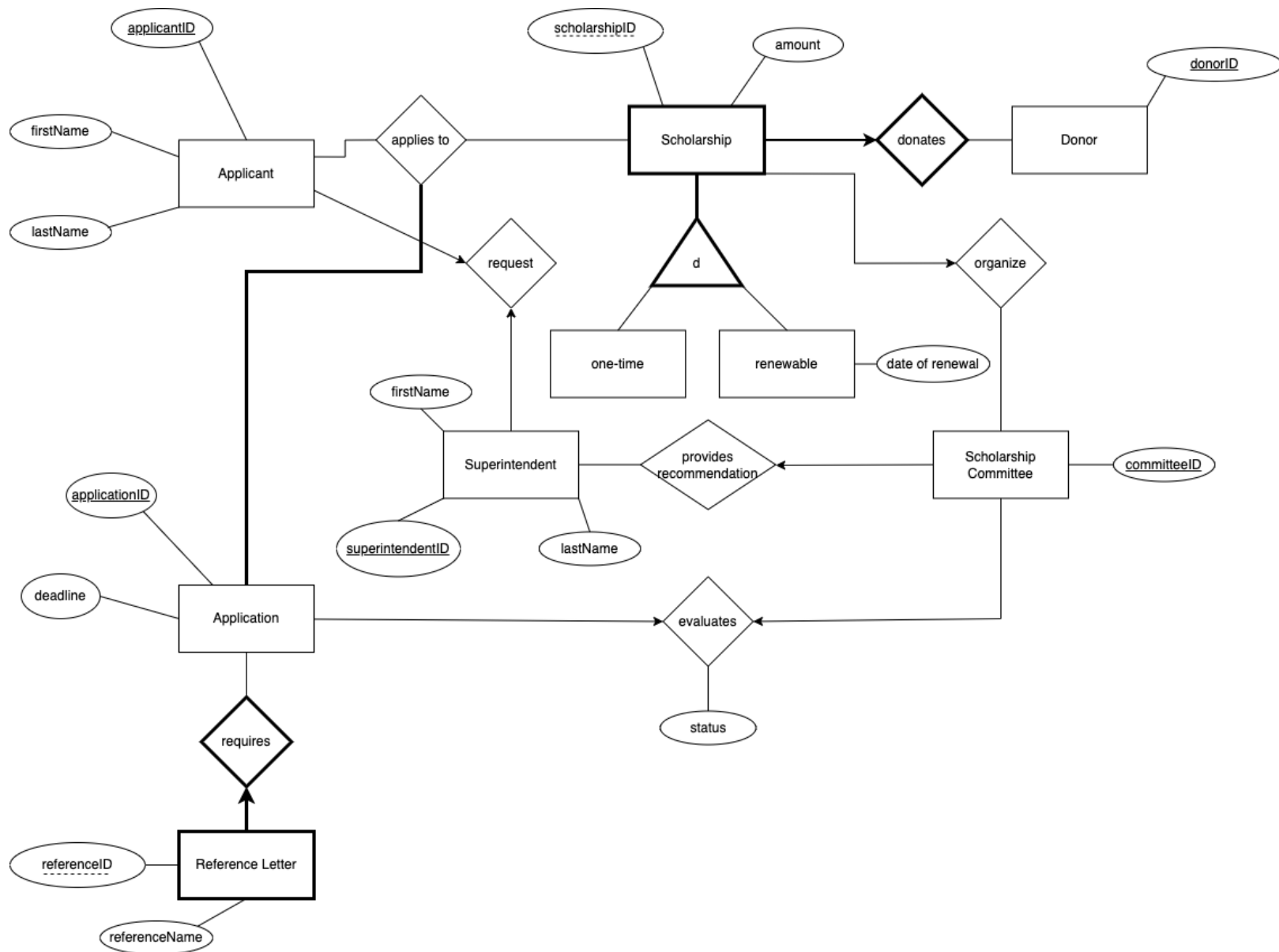
***Note that for DBMSs, we will only provide support for using the department's installation of Oracle. You are on your own for anything else.***

### ***i. You can change/adjust your tech stack later as you learn more about how to get started for the project via latter tutorials.***

The platform that we will use is JDBC. The DBMS that we will be using is Oracle. We will also be using Java for the backend. As this is a team project, we will also be using Git and Github for collaboration.

5. An ER diagram for the database that your application will use. It is OK to hand-draw it but if it is illegible or messy or confusing, marks will be taken off. You can use software to draw your diagram (e.g., draw.io, GoogleDraw, Microsoft Visio, Powerpoint, Gliffy, etc.) The result should be a legible PDF or PNG document. Note that your ER diagram must use the conventions from the textbook and the lectures (Do not use crow's feet notation or notation from other textbooks).

6. Your E/R diagram should adhere to the expectations listed above.



**7. Other comments, as appropriate, to explain your project.**

A scholarship will either be one-time **or** renewable (as seen from our ISA). The one-time scholarship will be issued if the applicant is successful, and simply has an amount associated with it. The renewable scholarship will also have a date of renewal associated with it where the applicant can choose to renew their scholarship for the same amount associated with the scholarship.