

CPSC 304 Project Cover Page

Milestone #: 1

Date: September 28th, 2022

Group Number: 28

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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

Group 28 Project Proposal: Peer Mentorship for Gender Minorities

A brief project description answering these questions:

- 1. What is the domain of the application? Describe it.**
 - 2. What aspects of the domain are modelled by the database?**
- The domain of the application is an online Peer Mentorship Pairing Program, specifically for the demographic of women and gender minorities in Computer Science (WiCS).
 - The database models the characteristics that will be used as criteria to create mentorship pairings. It will be storing data from profiles and finds the best match based on compatibility between mentors and mentees.

Database specifications: (3-5 sentences)

a. What functionality will the database provide?

- The functionality of the database will allow easy pairing of mentors and mentees based on their year of study, work experience, interests and gender preferences. The database will also maintain information related to each program participant through a participant profile. The database will keep track of the mentor-mentee relationships as well as information related to the meetings and events that mentors and mentees will be a part of.

Description of the application platform: (2-3 sentences)

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

- We plan to use PHP for our project.

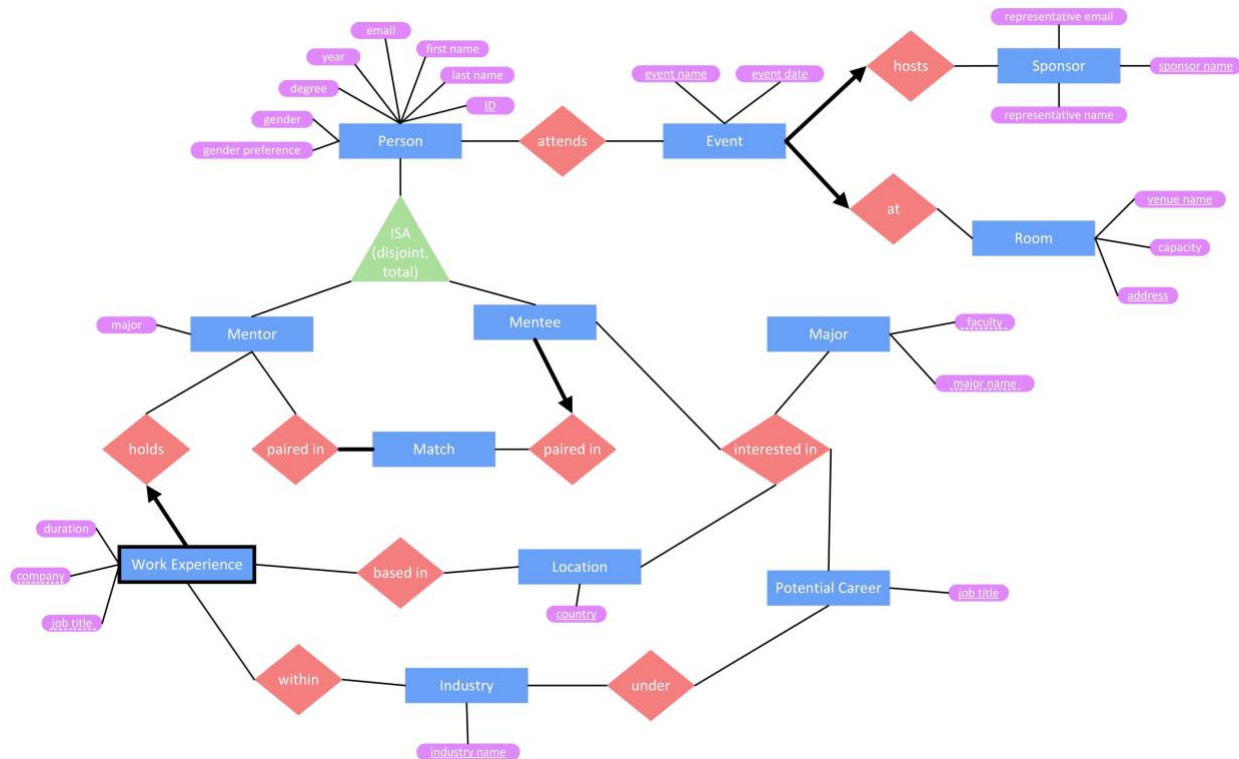
b. What is your expected application technology stack (i.e., any other things that you're using other than whether you're using PHP or JDBC)? Note that for DBMSs, we will only provide support for using the department's installation of Oracle. You are on your own for anything else.

- 1. You can change/adjust your tech stack later as you learn more about how to get started for the project via latter tutorials.**
- Our expected application stack will consist of PHP and Oracle.

(ER Diagram on next Page)

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).

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



Other comments, as appropriate, to explain your project.

This project is personal and meaningful to our team as we are a group of executives for WiCS, UBC's on campus Women in Computer Science Club. Every year we host a large-scale peer mentorship program to help bring the computer science community closer together. With this project, we hope to be able to utilize our application next year when we host our annual program for underrepresented gender minorities in Computer Science at UBC. Furthermore, we'd love to extend it to other clubs that host mentorship programs in the future.