

CPSC 304 Project Cover Page

Milestone #: 3

Date: March 7, 2024

Group Number: Group 3

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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.

Project Summary:

Pokéswap is a database designed to streamline the trading experience for Pokémon card fans. We aim to create a database to assist users with a comprehensive tool to manage and view their card collections, create trade offers, and comment on other collectors' posts in a seamless manner. Users can easily upload and sort through their personal Pokémon card collections, as well as view other's collections. The database is designed to model several aspects of the card trading domain, including users, cards of a user, and details of a specific card, including collector number, pokémon number, type, and other specifications of the card. This application domain is perfect as a CPSC 304 project since it focuses on designing a relational database to manage complex relationships between users, their card collections, trade offers, and post-interactions. It provides opportunities to explore database indexing, querying, and management – all essential concepts covered in CPSC 304.

Timeline:

Finish By Date	Task	Member
Mar 12, 2024	Meet about setting up oracle server	All
Mar 12, 2024	Node backend set up	Jay + Erik
Mar 19, 2024	finish a list of user options that the user can do, come up with the corresponding SQL statements.	Erik + Nick
Mar 19, 2024	Create website, and connect the node	Jay
Mar 24, 2024	Create a functioning GUI User UI	Nick
Apr 1, 2024	Finishing functioning GUI Trade UI	Jay + Erik
Apr 1, 2024	Finish Demo part including GUI and backend	All
Apr 6, 2024	Finish Demo slides + Presentation	All

Potential Challenges:

Some potential challenges that we will face is initially setting up the server. I think that this will be the most challenging step, and without proper setup, the rest of the project will not proceed smoothly. Another thing that could cause issues is connecting the website to actual console commands on the oracle servers. It might be difficult trying to link the frontend and the backend. We will seek out the TAs for technical assistance if we have issues in this step. The GUI is the bulk of the work in our opinion for this project, so we have divided the work up in that department evenly. Another issue is that a lot of the team members have midterms during the timeline of this project. We have specifically designed the timeline to account for this. Hopefully this will make the workload easier for the team, and result in higher likelihood of meeting the deadline.