

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 25

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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

Project Description

Our project will be a social media platform centered around discovering, reviewing, and commenting on artwork. Users will be able to create posts about art pieces in various museums, galleries, and private collections around the world. Other users will then be able to see these posts on a feed page of popular posts and people they are following. They will also be able to search for specific art pieces, collections, artists, or museums to pull up general information and posts on those topics. When a user posts about certain art pieces or collections associated with a challenge badge, they will be able to earn badges to display on their profile.

As you can see in the ER diagram below, our database will model the dynamic of users, posts they make, their follower/following relationships, and specific details relating to these such as likes on posts. It will also model pieces of art, the art collections they belong to, as well as which location they are currently stored in.

This system could be used in a number of ways. First of all, as a way for art-enthusiasts visiting museums to read up on what they can expect to see in different locations and then add their own comments once seeing them. It could also be used simply as a discussion platform for art enthusiasts looking to discuss and critique various pieces with fellow enthusiasts.

Database Specification

People will be able to create a new post, which will add data to the database. They will also be able to follow, unfollow, like posts, and take other actions which will modify relationships and attributes surrounding users and posts.

Users will also be able to perform searches which will query the database based on the names of pieces of artwork, locations where art is displayed, specific collections of art, and other users who have made posts.

Application Platform

We will use the department-provided Oracle setup for our database. We intend to use the Javascript starter code provided to set up a TypeScript project for the majority of our code and tentatively plan to use React for UI/UX development. The final project will be accessible via a web page frontend.

ER Diagram

