CPSC 304 Project Cover Page

Milestone #: _____1_____

Date: _____September 26, 2022_____

Group Number: _____12_____

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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

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

The domain for this application is art management and logistics. The application will provide the ability for both the gallery owner and art piece owners to keep track of their gallery or piece respectively. The gallery owner can track visitor records, art pieces, etc. and the art piece owners can track where each of their pieces is and how popular it might be.

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

Art management can be broken down into different categories including the artist, the art piece, and the location/exhibition the art pieces reside in. The logistic domain can be modelled through tracking visitor information, the owner of the gallery or art piece, the duration of the art exhibition and the art pieces that will be shown at the event, and where the exhibition will be hosted.

DATABASE SPECIFICATIONS

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

As mentioned, this database will allow owners to keep track of their gallery, its exhibitions and their artworks, helping reduce the risk of accidentally misplacing items. It will also keep track of the visitors by assigning them a Visitor_Number and noting down their phone number, which allows owners to track and narrow down the cause of an accident if an art piece gets damaged. The database will also keep track of the building and rooms where art galleries and their exhibitions are held, so if there is an art piece that requires specific room conditions (size, temperature, etc), the database will be able to find a suitable room.

APPLICATION PLATFORM DESCRIPTIONS

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

Our team is planning to use PHP and HTML for the back and front end as suggested.

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.**

Our expected application technology stack is PHP, HTML, and Oracle for the DBMS.

ADDITIONAL COMMENTS

Some constraints we defined for the database:
- Exhibitions with the same name can not have the same start date
- Art pieces can only be owned by 1 art collector, must be owned by an art collector
- A gallery can only be owned by 1 gallery owner, must be owned by a gallery owner
- An owner must be either an art collector, gallery owner, or both

ER DIAGRAM