# CSE 111 PROJECT PHASE 3

Akash Singh

Dathan Hansell

# SYSTEM DESCRIPTION

- The user can add and browse through a collection of **Famous Artworks.**

- They can also look at the details associated with each artwork including its artist, location, art style, art period, and collectors through scrum operations.
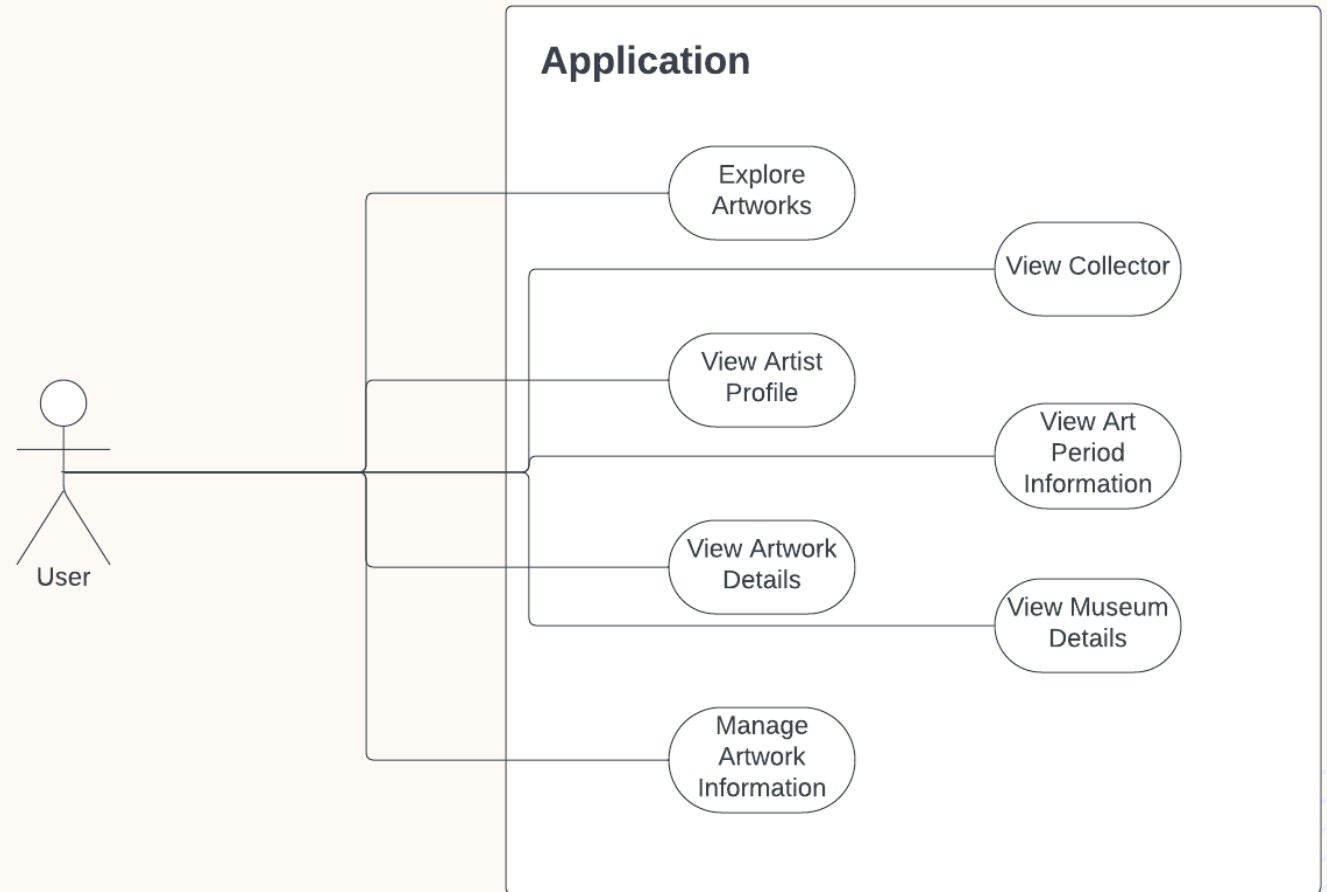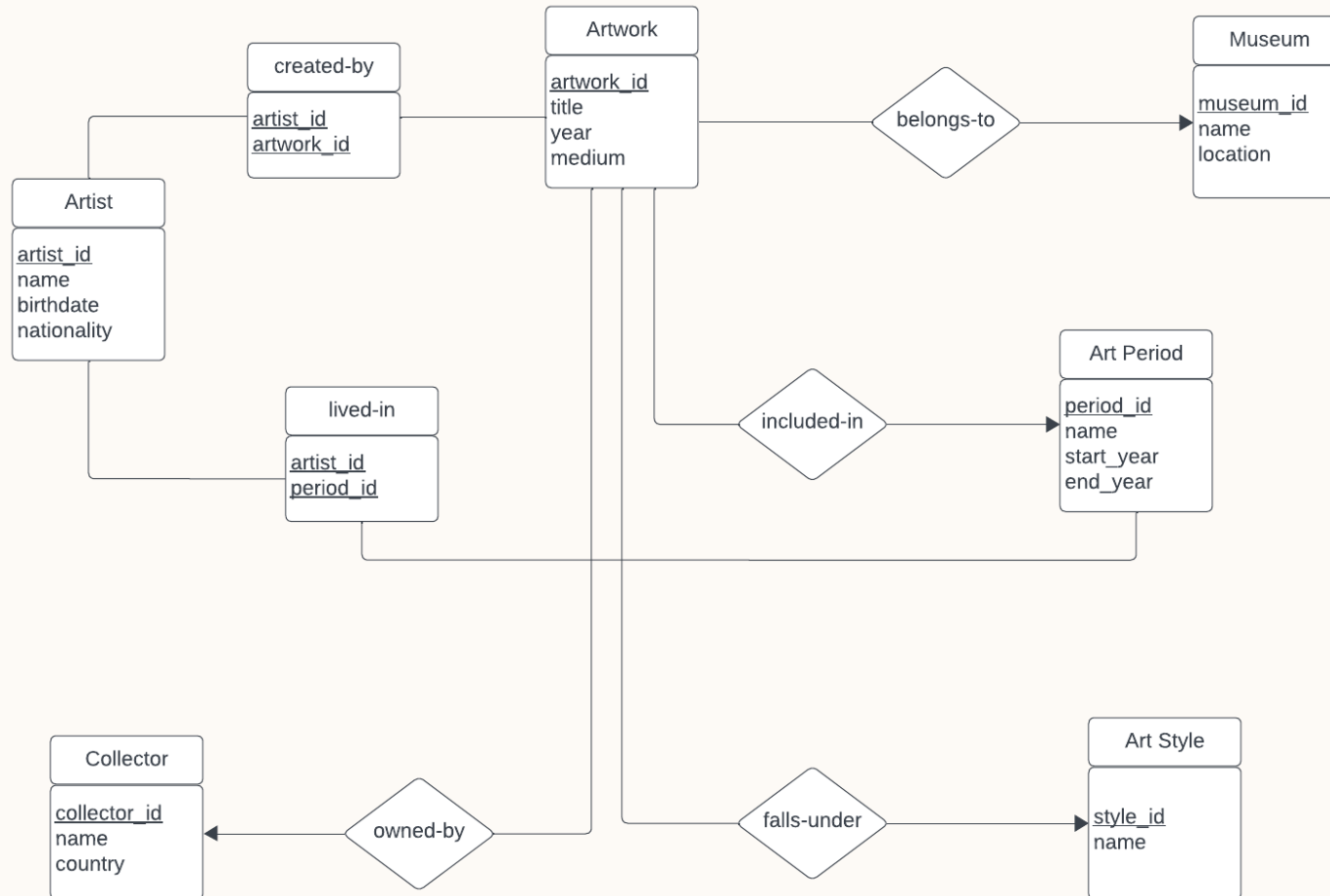
# MAIN USE CASES

**Explore Details:** The user can scroll through all the listed artists, artworks, museums, art styles, art periods, and collectors in the database.

**Manage Information:** The user can add, update, or delete artists, artworks, museums, art styles, art periods, and collectors in the database.

**Search Table Relations:** The user can explore the different relations between each table through search.

# UML USE CASE DIAGRAM

**E/R DIAGRAM AND DATABASE SCHEMA**

# IMPLEMENTATION DETAILS

- Integrated Development Environment (IDE): Visual Studio Code

- Front-end: React – organization, simplicity, and component-based structure

- Back-end: Express.js - easy to build a REST API and combine with SQLite3

  o Abstracted SQL queries through views and controllers in Express.js

# THE END