University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 2

Date: 02/08/2023

Group Number: 55

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
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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 Summary:

This application will model a zoo management system to include care of animals, maintenance of habitats, logistics of its workers and also the zoo's shops and their associated merchandise. This application aims to aid a zoo in the management of its workers, property and animals. The application will organize animals, habitats, workers and vendors.

Timeline

Component	Task	Time	Member
GUI (Using Java Swing)	*Page for each entity (tabs)	2 days	Mana
	*Buttons for INSERT, DELETE, UPDATE	2 days	Mana
	Inputs for operations: SELECTION, PROJECTION, JOIN, Aggregation with Group By, Aggregation with Having, Nested Aggr. with Group By, Division	3 days	Clive
	*Output table for all tuples	3 days	Mana
	Select tuple(s) for modification (select row?)	2 days	Mana
	*text fields for data entry	2 days	Clive
	Query bar? (too difficult?)	6 days	Mana
Backend	SQL queries (Insert, Delete, Selection, Projection, Join, Aggregation by group, Aggregation by having, Nested, Division)	4 days	Richard
	*SQL initialization script	1 day	Richard
	*Data models for all entities	2 day	Clive and Richard
	*Views (Displays the data)	3 days	Clive
	Controllers for entities (Performs the data operations)	4 days	Richard

* Finish by March 25th
everything else finish by April 1st

Challenges
- Clive has never used Java Swing before, so we might need to cover for that
- Don't know how to implement some of the more advanced queries (Join, Aggregation by group, Aggregation by having, Nested, Division)
- Not sure if MVC is the best way to implement the project, or how to implement MVC
- None of us are very familiar with Java Swing either
- Timeline may be inaccurate or doesn't account for other circumstances like exams and other homework.
- Don't know which JDK to use
- Clive is unfamiliar with Git/Github