

# CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: #105

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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

**A brief project description answering these questions:**

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

The domain of the application would be the daily operations of a zoo/animal sanctuary. That is, we will focus on modelling the data of the daily operations of a zoo/animal sanctuary that is relevant to both visitors, animal sponsors and animals' caretakers.

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

The aspects of the domain that will be modeled include details of relevant parties, which will be the visitors, the caretakers and their associated animals. Additionally, further details of the aforementioned parties such as Animal Products, Habitats, Tickets, Shows, etc. are modeled also. Animals can be classified as either wild or domesticated. All these details are linked together by appropriate relationships which can be observed in the ER Diagram attached.

**3.Database specifications: (3-5 sentences)**

**a.What benefit does the database application provide to the company or organization?**

The application benefits the organization in 2 ways. First, it provides an easy to use interface of the database for system administrators working at the animal sanctuary. This allows the organization to keep track of their animals, add new animals, manage space and locations of animals, create events, track animal sponsorship, manage tickets and visitor attendance etc. Second, it will also allow visitors to purchase tickets online and sponsor animals.

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

The functionalities the database will provide includes:

- visitors will be able to see what animals are available for viewing and at what times
- visitors will be able to view events and event times coming up, additionally visitors will be able to purchase tickets for such events
- animal caretakers (system administrators) will have additional permissions as opposed to visitors where they would be able to edit animals able for viewing as well as the times

**4.Description of the application platform: (2-3 sentences)**

**a.What platform will your project use?**

We are planning on using PHP to create a web application.

**b.What is your expected application technology stack?**

Front end: HTML, CSS, JS

Backend: PHP

RDBMS: Oracle

**i. You can change/adjust your tech stack later as you learn more about how to get started for the project via latter tutorials in the course regarding SQL\*Plus/Oracle, Java/JDBC, PHP, etc. The coding will start later on.**

**5.An ER diagram for the database that your application will use. It is OK to hand-draw it but if it is illegible or messy or confusing, marks will be taken off. You can use software to draw your diagram (e.g., draw.io, GoogleDraw, Microsoft Visio, Powerpoint, Gliffy, maybe Word, etc.) The result should be a legible PDF or PNG document. Note that your ER diagram must use the conventions from the textbook and the lectures (Do not use crow's feet notation or notation from other textbooks).**

See image on next page.

