University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 115

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
Ayush Vora	96718192	q0v8x	avora21@student.ubc.ca
Wrik Steven Sen	53382818	t2f7p	coolkidwrik@gmail.com
Max Xu	27226976	i3b6k	maxzixiaoxu@gmail.com

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

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Project Description:

A database of data on stars, planets, star systems, and astronomical entities. This includes a collection of classifications.

What is the domain of the application? Describe it.

The domain of knowledge is in Astronomy and Cosmology. This involves specific knowledge in the classification of stars, planets, moons, galaxies, and other celestial bodies. One could use this when researching specific stars such as looking for coordinate locations in the database. Afterwards, the application would provide efficient access to related data.

Project Specifications:

One possible usage is an analysis on stars using its attributes. An example of this is a collection of the information for a set of stars involving their luminosity, and their surface temperature. This is how main sequence stars are classified. Other possible analyses for celestial bodies could be carried out if their attributes are easily accessible through the database. Specific analysis could be done on entities by filtering attributes, such as planets by size.

Description of the application platform:

The database will be using Oracle. We will be using PHP for the backend implementation of the project, and HTML along with CSS for the front end implementation.

ER Diagram:

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