

CPSC 304 Project Cover Page

Milestone #: 1

Date: 2024-2-9

Group Number: 83

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
Jonathan Chan	16659154	e4u2b	Chan_jon@outlook.com
Fei Long	69175503	i6z8h	long.fei@queensu.ca
Matias Chomali	69516334	o5f8l	matias.chomali@hotmail.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

Project Description

The domain of the application is the Aerospace Industry, targeting agencies sending missions to outer space

The database addresses the organization of missions managed by a space agency. These missions have multiple entities tied to them such as different types of personnel, ships, individual ship parts as well as locations such as a mission control center, launch sites, etc. Our project database will simplify the management of all these different parts and make it easy to create new missions and assign all the required parts to them.

Database Specification

We want users to be able to manage the resources (Creating/Deleting/Updating) of the space agency such as ships, facilities and personnel. They should be able to create new resources and update or remove existing items. They should also be able to organize the tasks of their agency in terms of priority, and then create missions that make use of the previously mentioned resources to complete these tasks.

Application Platform

We are opting to use the department provided DB infrastructure. We expect to use Oracle Database for data persistence, Django (Python) for the backend, and HTML, CSS, and VanillaJS (JavaScript) for the frontend. If the project ends up needing more complicated visual logic in the frontend, we are also ready to use ReactJS.

ER Diagram

[Link in case font is too small](#)

