

# CPSC 304 Project Cover Page

Milestone #: 1

Date: 10/01/2024

Group Number: 91

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
Jerry Qi	73382533	s6l7k	zqi07@students.cs.ubc.ca
Rapeewit Chanprakaisi	57529208	w2g6k	rchanpra@student.ubc.ca
Eric Xiang	90612029	g9e4y	ericxiang8@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

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

The domain of our project is custom pc building/computer hardware management/shopping assistant.

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

The aspects of the domain that are modeled by the database are pc parts performance, parts compatibility, pc parts retailer price and price trend, etc. For instance, if a user wants to build a custom PC with RTX4080 graphics card, by using our project he can easily find out other compatible pc parts with prices and their trend from different retailers.

**What functionality will the database provide? I.e., what kinds of things will people using the database are able to do.**

The database will provide functionality that allows users to search, filter, and select computer hardware components for custom PC builds based on specific criteria, such as price, performance, and compatibility. It will ensure component compatibility checks, helping users select only parts that work together, such as ensuring the CPU fits the motherboard. Additionally, the database will track price history for each product with real-time pricing and availability from various retailers, enabling users to compare prices and find the best deals.

**What database will your project use (department provided Oracle, your own MySQL, etc.)?**

Our project will use the department provided Oracle as the database.

**What is your expected application technology stack (i.e., what programming languages and libraries do you want to use)?**

Our project will use PHP and JavaScript as the programming languages and use Node.js as the library.

An ER diagram for the database that your application will use.

