

# CPSC 304 Project Cover Page

Milestone #: 3

Date: 11/02/22

Group Number: 94

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
Alexander Liteplo	14470900	x5f6h	alexanderliteplo@gmail.com
Bhairaw Aryan	81199119	k0i3b	baryan01@student.ubc.ca
Lucas Moynier	94057809	s2x2b	lmoynier@student.ubc.ca

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 email 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

**Backend:**

Task	# of hours	Person	Due Date	Is done
Database Creation	2	Alex, Luca	Sunday November 13th Midnight	no
Seed tables: User, UserInterface, Advertisement	0.5	Alex	Sunday November 6th Midnight	no
Set up Servers	2	Aryan	Sunday November 13th Midnight	no
Set up website hosting	1	Aryan	Sunday November 13th Midnight	no
Connect server to AI library	1	Aryan	Sunday November 13th Midnight	no
Seeding Review, product, global inventory	3	Aryan, Alex	Sunday November 13th Midnight	no
Login Functionality	1	Aryan	Sunday November 20th Midnight	no
Search Page Functionality	2	Aryan, Alex	Sunday November 20th Midnight	no
Cart Page Functionality	2	Aryan, Alex	Sunday November 20th Midnight	no
Global Inventory Page Functionality	1	Aryan, Alex	Sunday November 20th Midnight	no

**SQL Queries:**

Task	# of hours	Person	Due Date	Is done
Database Creation	2	Alex, Luca	Sunday November 13th Midnight	no
Seed tables: User, UserInterface, Advertisement	0.5	Alex	Sunday November 6th Midnight	no
Seeding Review, product, global inventory	3	Aryan, Alex	Sunday November 6th Midnight	no
Update/Delete Account Query	0.5	Luca	Sunday November 6th Midnight	no
Filtering Product by Price Query	0.5	Luca	Sunday November 6th Midnight	no
Display top 10 Products Query	0.5	Alex	Sunday November 6th Midnight	no
Display Cart Items Query	0.5	Alex	Sunday November 6th Midnight	no
Global Inventory Display Query	0.5	Luca	Sunday November 6th Midnight	no

Join product and reviews + filter on reviews	0.5	Luca	Sunday November 6th Midnight	no
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### **Front end:**

Task	# of hours	person	due date	Is Done
Create Moqups	2	Luca	Wednesday November 2nd	no
Search page	2	Aryan	Sunday November 6th Midnight	no
Login page	0.5	Luca	Sunday November 6th Midnight	no
Create account Page	1	Luca	Sunday November 6th Midnight	no
Cart Display Page	1	Aryan	Sunday November 6th Midnight	no
AI Reviews Page	2	Aryan	Sunday November 6th Midnight	no
Global Inventory Page	1	Alex	Sunday November 6th Midnight	no

### Description of Challenges/things to do:

- 1) Coding the functionality of the search page. How will we deal with the user choosing to do a projection or selection
- 2) Setting up back-end front-end and database servers and having them communicate with each other
- 3) API usage limitations
- 4) Seeding Database with web scraper
- 5) Linking our search with calls to the Webscraper and then API

### Required Queries

- 1) Insert Operation- (covered by creating an account, or adding product to a cart)
- 2) Delete Operation, cascade on delete (covered by delete account button -> also will delete cart)
- 3) Update (covered by update account button)
- 4) Selection(covered by filter by price query)
- 5) Projection(covered by display by name, price, and review)
- 6) Join (on product and review, where clause covered by sort by review)

## Amazon Cart Manager

LOGIN

SIGN UP

### Sign up

Username

Password

Address

Postal Code

City

Country

Create Account

Username:

Password:

Sign-in →

[Update Account](#)

Delete Account

Sign-out

Cart

Search

price min ☐ max ☐ display product name ☐ price ☐ review ☐

Sort by Review



[top 10 results](#) [top 25 results](#) [top 50 results](#)

product	price	Amazon Review Score	Sentiment Analysis	
				<div>Add To Cart</div>

Return

CART

<i>product</i>	<i>price</i>	<i>Amazon Review Score</i>	<i>Sentiment Analysis</i>	
				Remove

Total: