

COSC 304: Introduction to Databases

JERSEY N EM - REPORT

Developed by (Group 7): Harper Kerstens, Aaron Hong

Date: 12-06-2024

GitHub Repo: https://github.com/harperkerstens/304_project

Website: <http://57.151.104.13>

Instructor: Dr. Ramon Lawrence

UBC Okanagan | 3333 University Way, Kelowna, BC V1V 1V7

Table of Contents

<u>TITLE PAGE</u>	1
<u>MISSION STATEMENT</u>	3
<u>EXECUTIVE SUMMARY</u>	3
<u>DEVELOPMENT FEATURES</u>	4
<u>WALKTHROUGH - CUSTOMER</u>	6
<u>HOMEPAGE</u>	6
<u>LOGIN/USER INFO</u>	7
<u>PRODUCT LIST</u>	8
<u>CART/CHECKOUT</u>	9
<u>WALKTHROUGH - ADMIN</u>	10
<u>ADMIN DASHBOARD</u>	10
<u>SALES REPORT</u>	11
<u>ADD/EDIT PRODUCT</u>	12
<u>SOURCES</u>	13

Mission Statement:

At Jersey N Em, we're dedicated to bringing fans closer to the game by making it easy to find jerseys of your favorite players, no matter how unique. Frustrated by the limited selection in Canada, we set out to create a one-stop shop for basketball enthusiasts who want more than just mainstream options. Whether you're repping a rising star, a legend, or an underdog, we're here to help you wear your passion proudly.

Executive Summary:

Jersey N Em is an online platform revolutionizing the way Canadian basketball fans connect with their favorite players through authentic, hard-to-find jerseys.

Founded by lifelong friends who bonded over music and hoops, Jersey N Em was born out of a shared frustration: the difficulty of finding jerseys of their favorite players in Canada, where only mainstream options dominate the market. Our mission is to provide a diverse range of jerseys, celebrating both star players and lesser-known athletes. Driven by our love for the game and the community it builds, we're dedicated to helping basketball enthusiasts connect with their idols and showcase their pride.

With a focus on quality and authenticity, our company strives to build a reputation as a trusted source for basketball apparel. Beyond selling jerseys, we aim to foster a global community of fans who celebrate every player, from unsung heroes to iconic legends. Jersey N Em is a reflection of our journey, from schoolyard conversations about basketball to becoming business partners united by a shared dream. Together, we're creating a space where fans can find the jerseys they love and be part of a community that values every player and every story, redefining what it means to represent the game...

Project Features

Final Overall System Features	Category	Possible Points	Points	Comments / Code Files
Documentation (15 total points)				
Executive Summary (up to 1 page)	Core	2	2	JerseyNEMDocumentation.docx
System Features (2 pages)	Core	2	2	JerseyNEM Documentation.docx
List of Web and AI sources used	Core	3	3	JerseyNEM Documentation.docx
Walkthrough with screenshots (up to 15 pages)	Core	8	8	JerseyNEM Documentation.docx
Hosting (10 total points)				
Running on cloud server	Advanced	10	10	Hosted using Azure on http://57.151.104.13
Main/Home Page (up to 14 total points)				
Search for a product by name	Core	1	1	Listprod.js
Browse products by category	Core	1	1	ListTeam.js and team.js
List products (by search/browse)	Core	1	1	Listprod.js
List products with image	Core	1	1	Listprod.js and team.js
Page header with menu	Basic	1	1	Header.js
Page header shows current logged in user	Basic	1	1	Shown on frontpage, index.handlebars
Dynamic products on page based on sales	Basic	2		
Improved UI (user-friendly, images, etc.)	Basic	2	2	Shown on frontpage, index handlebars
Product recommendation based on user	Advanced	4		
Shopping Cart (up to 8 total points)				
Add to shopping cart	Core	1	1	Addcart.js
View shopping cart	Core	1	1	Showcart.js
Update quantity (with data validation)	Basic	1	1	Showcart.js
Remove item from shopping cart	Basic	1	1	Showcart.js
Improved formatting/UI (e.g. in header bar)	Basic	1	1	Showcart.js
Cart stored in database between sessions	Basic	3		
Checkout (up to 9 total points)				
Checkout with customer id	Core	1	1	Checkout.js
Checkout with payment/shipment info	Basic	2		
Checkout with data validation	Basic	2		
Multiple shipments per order supported	Advanced	2		Note: Requires DB change.
Calculate taxes/shipping (by items/state)	Advanced	2		Note: Requires DB change.
Product Detail Page (up to 2 total points)				
Product detail page and item description	Core	1	1	Product.js

Product detail has an image from database	Core	1	1	Product.js
User Accounts/Login (up to 12 total points)				
Create user account page	Basic	2	2	createAccount.js
Create account with data validation	Basic	2	2	createAccount.js
Edit user account info (address, password)	Basic	2	2	Customer.js
Login/logout	Core	1	1	Available on frontpage, index.handlebars
Register user/Forgot password email	Advanced	4		
Page listing all orders for user	Core	1	1	Customer.js
Product Reviews (up to 5 total points)				
Ability to enter a review on a product	Basic	2		
Display product review on product detail page	Basic	1		
Restrict to one review per user on item purchased	Advanced	2		
Warehouses/Inventory (up to 5 total points)				
Display item inventory by store/warehouse	Basic	2		
Edit item inventory by store/warehouse	Advanced	3		
Administrator Portal (up to 19 total points)				
Secured by login	Core	1	1	Admin.js
List all customers	Core	1	1	Admin.js
List report showing total sales/orders	Core	1	1	Listorder.js for all orders, admin.js for reports
Report with a graph	Advanced	3	3	Admin.js
Add new product	Basic	2	2	Admin.js
Update/delete product	Basic	2	2	Admin.js
Change order status/ship order	Basic	1		
Upload a photo to file system for product	Advanced	2	2	Admin.js
OR: Upload a photo to database for product	Advanced	4		
Database restore with SQL script	Basic	2	2	Admin.js
Add/update warehouse, customer	Basic	2		
Database System/General				
Implement some validation using triggers	Advanced	2		
Use AJAX for some pages	Advanced	4		
User interface and navigation/usability		Up to 5		
<i>Others (your suggestions)</i>		Up to 5		
Total: (out of 50 with maximum of 10 bonus marks. i.e. 60 points out of 50 is max.)		60/50		

Walkthrough - Customer

1. HOMEPAGE - CUSTOMER

Welcome, Guest! Admin Dashboard Login

Jersey N Em

Our Winter 2024 Collection



From the Creators

Harper Kerstens



2x UBCO Intermediate Basketball All-Star Point Guard, With an unparalleled love for the game Harper is known for his elite vision both on and off the court.

Aaron Hong

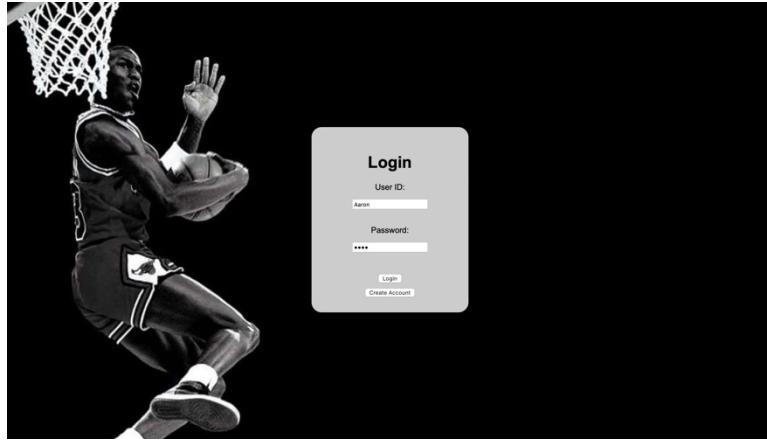


2X UBCO Intermediate Basketball 6th Man of the Year, With an elite offensive skill set Aaron is known for his incredible knack for scoring.

1.1 Our Homepage for Jersey N Em, we use a sleek looking jet black for the background. Up top we have the homepage navigation which allows for admin access as well as login, and the image for “Our Winter 2024 Collection” is a link that floats once the mouse hovers over the image (you won’t miss it), when clicked it will take you to the list of NBA teams by conference (Eastern and Western). We will first go over the log in feature.

2. LOGIN/USER INFO - CUSTOMER

2.1 Here is the login page which was directed from the nav bar in the home page, it has the option that allows for users to sign up or sign in if there they are existing customer (saved in DB).



2.2 Here is what it looks like when creating an account with us, this information is saved to our database and can be edited in the future as well.
*All fields are required to allow account creation

2.3 Once Logged we welcome you by the first name of your account, and the nav bar now shows Cart, Orders, Customer Info, Admin Dashboard and Logout.



2.4 This is the customer info section which shows all the field. From here you can update your information which is saved to our database, you can also change your password on the bottom left.

Field	Data	Edit
customerId	9	
firstName	Aaron	Aaron
lastName	Hong	Hong
email	ah@gmail.com	ah@gmail.com
phonenum	8188008000	8188008000
address	KLO	KLO
city	KEL	KEL
state	BC	BC
postalCode	V1W2H2	V1W2H2
country	Canda	Canda
userid	Aaron	
password	Hong	

3. PRODUCT LIST – CUSTOMER

The screenshot shows a navigation bar with links to Home, Products, Orders, Cart, and Admin. Below this is a section titled "Browse by team" with a search bar. A row of four buttons allows filtering by Eastern Conference, Western Conference, Both Conferences, or List All Products. The main area is a 2x5 grid of NBA team logos. The teams shown are Atlanta Hawks, Boston Celtics, Brooklyn Nets, Charlotte Hornets, Chicago Bulls, Cleveland Cavaliers, Dallas Mavericks, Denver Nuggets, Detroit Pistons, and Golden State Warriors.

3.1 After clicking on the “Our Winter 2024 Collection” image from the homepage it directs you to the different NBA teams which can be sorted by conferences. You are also able to search for team of your interest and these links will take you to our player jerseys depending on the team they are/were in. If you are looking for just a list of all the products we offer “List All Products” can be clicked.

3.2 Here is what the product page looks like for the Chicago Bulls, including current and historic jerseys and you may filter between the two.

The screenshot shows a header "Products for Chicago Bulls" with a "Current" tab selected. Below are sections for "Current Players" and "Historic Players", each displaying a grid of jerseys with player names, prices, and "Add to Cart" buttons.

3.3 Here is the page for when you click on a jersey of interest, it gives you a quick description of the player and ability to add to cart

The screenshot shows a product detail page for Stephen Curry's jersey. It features a large image of the jersey, a bio ("A 3-time NBA champion and two-time MVP, widely regarded as the greatest shooter in NBA history."), and an "Add to Cart" button.

4. CART/CHECKOUT – CUSTOMER

4.1 After adding our product to your cart, you can change the quantity as well as remove anything change your mind on within your cart.

Your Shopping Cart

	Stephen Curry Price: \$95.00 Quantity: 1 Subtotal: \$95.00	Update Remove
	Klay Thompson Price: \$89.00 Quantity: 3 Subtotal: \$267.00	Update Remove

[Proceed to Checkout](#) [Continue Shopping](#)

4.2 After pressing “Proceed to Checkout” we will show your entire cart before you proceed.

Complete your transaction:
Your Shopping Cart

	Stephen Curry Price: \$95.00 Quantity: 1 Subtotal: \$95.00
	Klay Thompson Price: \$89.00 Quantity: 3 Subtotal: \$267.00

[Checkout](#)

4.3 Once you complete looking over your order it will direct you to your order summary and process your order. It will now show your shipping address order date as well as order id. Showing that you have placed an order with us.

Order Processing

Order Summary

Order ID: 1002
Order Date: December 7th 2024, 12:01:54 am
Customer: Aaron Hong
Address: KLO
Total Amount: \$362.00

- Stephen Curry - Quantity: 1, Price: \$95.00, Subtotal: \$95.00
- Klay Thompson - Quantity: 3, Price: \$89.00, Subtotal: \$267.00

[Homepage](#)

4.4 After that we can check all your placed orders in the “Orders” tab located in the nav bar in the homepage.

Order ID: 1002

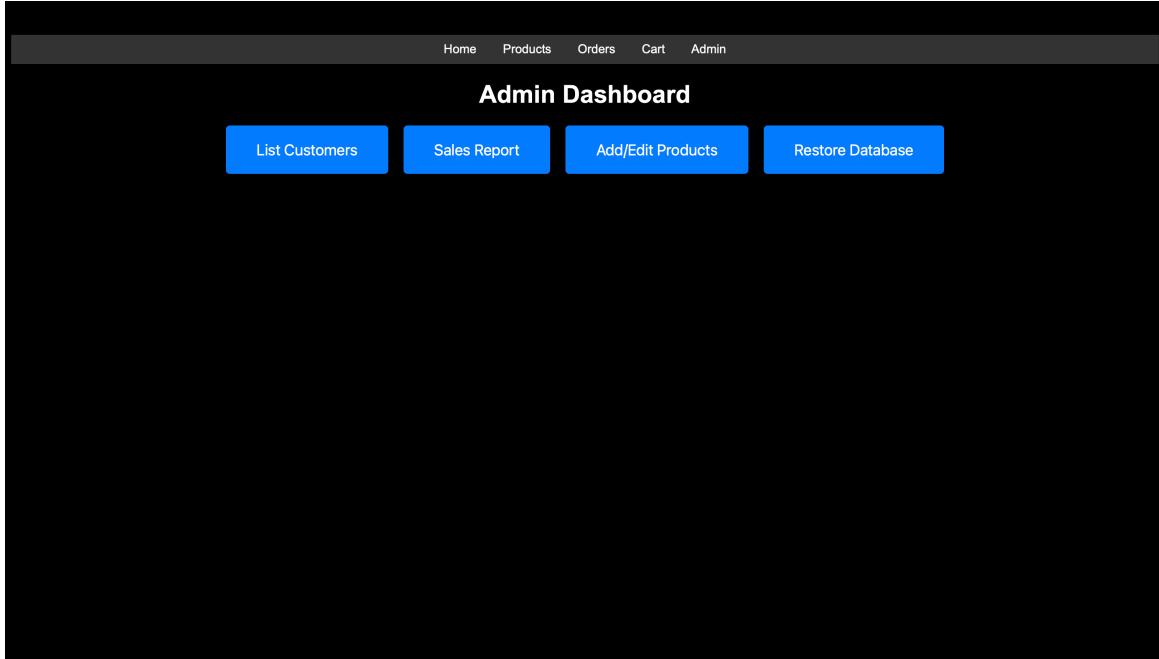
Order Date: December 7th 2024, 12:00:00 am
Customer: Aaron Hong
Address: KLO , KEL, BC, Canada
Total Amount: \$362.00

	Stephen Curry Quantity: 1 Price: \$95.00 Total: \$95.00
	Klay Thompson Quantity: 3 Price: \$89.00 Total: \$267.00

Walkthrough - Admin

5. ADMIN DASHBOARD – ADMIN

5.1 From the admin dashboard we can list all the customers and their info, go into the sales report as well as add/edit jerseys and restore the data back into the default state.



5.2 Here is what the list customers page looks like within admin portal. It shows all our customers information in one page and are differentiated by their customerID (PK).

The screenshot shows a table titled "Admin Dashboard" displaying customer information. The table has 11 columns: Customer ID, First Name, Last Name, Email, Phone Number, Address, City, State, Postal Code, Country, and User ID. There are 7 rows of data, each representing a customer with their details filled in the respective columns.

Customer ID	First Name	Last Name	Email	Phone Number	Address	City	State	Postal Code	Country	User ID
1	John	Doe	john.doe@gmail.com	123-456-7890	123 Main Street	Los Angeles	CA	90001	USA	john123
2	Arnold	Anderson	a.anderson@gmail.com	204-111-2222	103 AnyWhere Street	Winnipeg	MB	R3X 45T	Canada	arnold
3	Bobby	Brown	bobby.brown@hotmail.ca	572-342-8911	222 Bush Avenue	Boston	MA	22222	United States	bobby
4	Candace	Cole	cole@charity.org	333-444-5555	333 Central Crescent	Chicago	IL	33333	United States	candace
5	Darren	Doe	oe@doe.com	250-807-2222	444 Dover Lane	Kelowna	BC	V1V 2X9	Canada	darren
6	Elizabeth	Elliott	engel@uiowa.edu	555-666-7777	555 Everwood Street	Iowa City	IA	52241	United States	beth
7	Aaron	Hong	ah@gmail.com	1112223333	university way	Kelowna	BC	V1W4N4	Canada	aaron

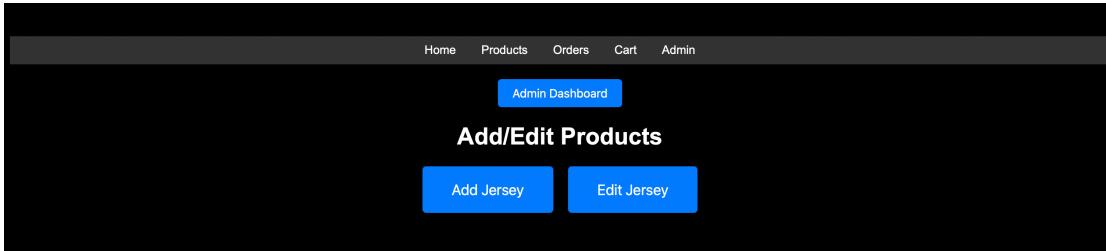
6. SALES REPORT – ADMIN



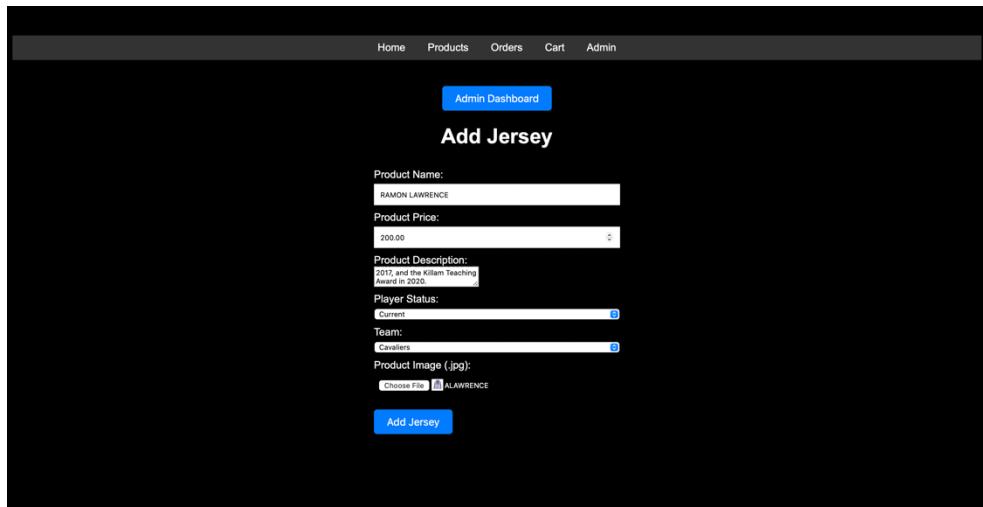
6.1 Here is our sales report graph which shows the total order amount by date, and we can see that our previous purchase was logged into our database and shows that the transaction went through. This can be useful to compare sales between days and can help us understand the demand, something we may implement later is what our best-selling item is and go off popularity for what items to stock and which ones we don't need to order more of to keep our warehouse space optimal.

7. ADD/EDIT PRODUCT - ADMIN

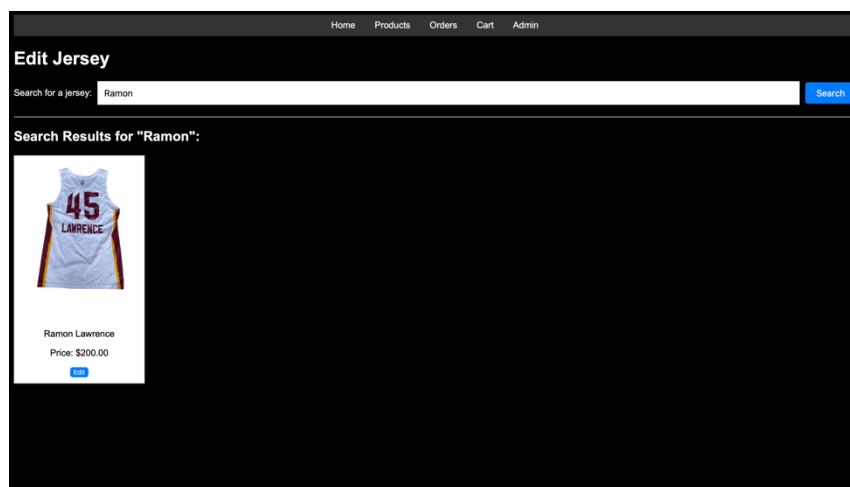
7.1 From this page we are able to add entirely new jerseys for new players or ones we don't have listed yet. There is also an edit button which allows the admin to make changes to the products we currently have listed.



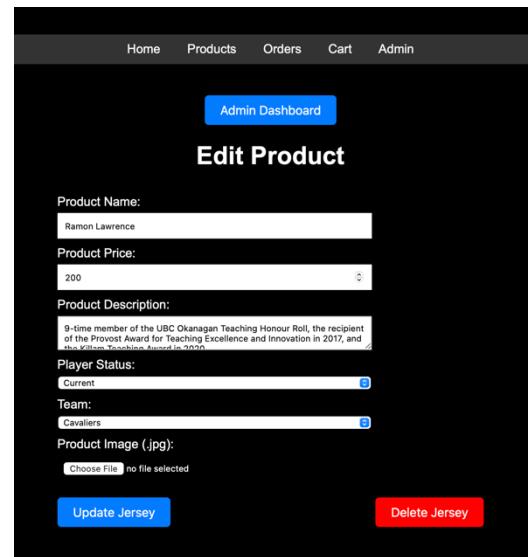
7.2 For adding a new jersey we will demonstrate by adding Dr. Ramon Lawrence into our DB with the product name, price, description, player status and team. Finally, we added his jersey image (must be jpg for now).



7.3 After adding the product, we can now go to "edit jerseys" to look for Dr. Lawrence's jersey.



7.4 Here is what the edit page looks like, similar to add page but gives you option to update current info or delete the jersey



Sources

AI:

<https://chatgpt.com/share/6752bbbf-114c-8006-9098-7f1b98bdd809>
<https://chatgpt.com/share/6752bbf5-49c4-8006-86ad-ed47d007590c>
<https://chatgpt.com/share/6752bc07-8090-8006-82b1-409cdfec1a10>

WEB:

https://www.w3schools.com/cssref/sel_hover.php
https://www.w3schools.com/cssref/attrule_font-face.php
<https://www.nbastore.ca>
<https://www.mitchellandness.com/en/>
<https://www.w3schools.com/css/>
https://www.w3schools.com/howto/howto_css_two_columns.asp
https://www.w3schools.com/css/css_templates.asp
https://www.w3schools.com/nodejs/nodejs_filesystem.asp
https://www.w3schools.com/nodejs/nodejs_uploadfiles.asp
https://www.w3schools.com/ai/ai_chartjs.asp