

# The Cellar Door

Final Design Document

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COSC 304 Final Project

Team Members:

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## **Section 1: Mission Statement**

This project aims to provide an efficient and user-friendly database for consumers to shop for wine using a relational database and user interface programmed in Java. Our goal is to optimize search queries so that the customer can quickly and easily find any product sold by the wine store.

## **Section 2: Executive Summary**

The wine industry is expanding at unprecedented levels in the Okanagan valley. In the last decade, many wineries use consumer-facing systems for online sales that are either outdated, inefficient, or not intended for the wine industry. We aim to provide an interface for wineries that will allow consumers efficiently to access any product that a winery might offer through the winery's website, and provide the ability for the user to access up to date and comprehensive information and specifications on any wine.

This will be achieved by modelling our database using the entity relationship model and constructing a UML diagram. The UML will be the basis of a relational database written in SQLServer, allowing for efficient, optimized, and fast search queries. The user interface will be coded in Java, allowing user access through the winery's website using JSPs and/or servlets. Customers will have their own login credentials, storing their contact information in the database for the winery's use. A standard shopping cart feature will allow the user to add or remove items and see their subtotal before placing an order. With SQLServer database implementation, the shopping cart will be saved in the database and will remain tied to the user until an order is placed or the user is removed from the system (allowing for a user to logout and bring up their shopping cart the next time they login). Implementing a SQLServer database through JDBC will also allow concurrent access from multiple customers and/or employees of the winery. The review feature will allow customers to leave a review for any product in the online shop, and allow customers to read reviews left by others. The

system will accept any payment method accepted by the winery, allowing flexibility from store to store.

Using the JDBC API's three-tier user-client architecture will protect the database from malicious attacks since the database is not directly accessible by the interface. Furthermore, using prepared statements in Java will safeguard against SQL injection attacks. Using constraints in the database, login credentials, and implementing customer, wineshop employee and developer views will prevent both malicious and unintended deleterious alterations to the database.

With the lack of efficient online store solutions for wineries in the Okanagan, our system will provide an invaluable service for Okanagan wineries. The customer-friendly interface and easy-to-use backend system will help with both increasing online sales and reducing the administrative overhead for winery teams, allowing winery staff to focus on what's most important: making incredible, world-class wines.

## **Section 3: System Features**

Final Overall System Features	Category	Possible Points	Points	Comments / Code Files
<b>Documentation (10 total points)</b>				
Executive Summary (up to 1 page)	Core	2		See above
System Features (2 pages)	Core	2		Current section
Walkthrough with screenshots (up to 10 pages)	Core	6		See Section 4
<b>Hosting (5 total points)</b>				
Running on cosc304 or external server	Core	5		<a href="https://cosc304.ok.ubc.ca/66122573/tomcat/final/index.jsp">https://cosc304.ok.ubc.ca/66122573/tomcat/final/index.jsp</a>
<b>Main/Home Page (up to 14 total points)</b>				
Search for a product by name	Core	1		Search on header.jsp and listProd.jsp

Browse products by category	Core	1		listProd.jsp organizes items by category id
List products (by search/browse)	Core	1		listProd.jsp
List products with image	Core	1		product.jsp
Page header with menu	Basic	1		header.jsp
Page header shows current logged in user	Basic	1		header.jsp
Improved UI (user-friendly, images, etc.)	Basic	2		-Implemented Bootstrap 4 and css in WebContent/css/custom.css -Created an image carousel -Created cards as links to listProd.jsp, login.jsp, and newCustomer.jsp
<b>Shopping Cart (up to 9 total points)</b>				
Add to shopping cart	Core	1		addcart.jsp
View shopping cart	Core	1		showcart.jsp
Update quantity (with data validation)	Basic	2		showcart.jsp
Remove item from shopping cart	Basic	1		showcart.jsp
Improved formatting/UI (e.g. in header bar)	Basic	1		Link to shopping cart on header
Cart stored in database between sessions	Basic	3		Cart is loaded from customer database on login (validateLogin.jsp), then saved on logout (logout.jsp)
<b>Checkout (up to 9 total points)</b>				
Checkout with customer id	Core	1		order.jsp (note: we stopped using checkout.jsp and ask the user to input their userId and password before checking out)
<b>Product Detail Page (up to 3 total points)</b>				
Product detail page and item description	Core	1		product.jsp
Product detail has an image	Core	1		product.jsp
Product detail has an image from database	Core	1		product.jsp (note: the way we set up the site, uploaded images will go straight to the db, and indeed all of our images are from the db. However, image URLs are supported as well)
<b>User Accounts/Login (up to 16 total points)</b>				
Create user account page	Basic	3		newCustomer.jsp
Create account with data validation	Basic	3		newCustomer.jsp (all fields required, email validation at html input level, check for whether user id already exists in the db)

Login/logout	Core	2		login.jsp, validateLogin.jsp, logout.jsp, header.jsp
Register user/Forgot password email	Advanced	4		Register user: newCustomer.jsp No forgot password email functionality
Page listing all orders for user	Core	1		customerOrder.jsp
<b>Product Reviews (up to 5 total points)</b>				
Ability to enter a review on a product	Basic	2		product.jsp
Display product review on product detail page	Basic	1		product.jsp
<b>Administrator Portal (up to 21 total points)</b>				
Secured by login	Core	1		validateLogin.jsp ; If user that logs in has admin privileges, the admin portal shows up on the header and is accessible. If not, the portal does not show up on the header and the pages will redirect to login
List all customers	Core	1		listCustomer.jsp
List report showing total sales/orders	Core	1		listOrder.jsp
Add new product	Basic	2		addProduct.jsp ; option to add an image file to be sent to the db
Update/delete product	Basic	2		Update: updateProduct.jsp ; we felt that deleting a product from the db was not a useful feature for our store
OR: Upload a photo to database for product	Advanced	4		addProduct.jsp and updateProduct.jsp
<b>Database System/General</b>				
User interface and navigation/usability		Up to 5		Bootstrap formatting, automatic display/hide of options based on login (login, admin, your information, logout), basic theme of site
<i>Others (your suggestions)</i>		Up to 5		The automatic hiding/showing of different user options based on login status (logged out, logged in as customer, logged in as admin), use of icons in header, search bar in header, carousel on home page, use of custom logo for header and as watermark on images, our hilarious and informative product descriptions
Total: (out of 50 with maximum of 10 bonus marks. i.e. 60 points out of 50 is max.)				

The Cellar Door is an online wine shop that allows users to create accounts, build carts from a wide selection of products, and place orders. The shop is hosted on the Computer Science 304 server and users who visit are

greeted with a carousel of pictures taken by group member Barret Jackson. The home page contains links to the product list, the login page, and the sign up page, all accompanied by more wine-related pictures and a short piece of flavour text. This site review will explain the major features of the Cellar Door, and give insight as to how they were implemented.

If the products link is selected from the home page, the user will be brought to a list of all products hosted on the Cellar Door, organized by category. This page features a search bar which can also be found at the top right corner of the website at all times. Upon clicking a product, the user will be brought to a page featuring a picture of the product in question, as well as the product id, price, and a short product description. Each picture features a watermark of the Cellar Door logo, which can also be seen on the top left of the website, acting as a link to the homepage. Users can add the product to the shopping cart, return to the list of products, or leave a review for other users to see accompanied by a rating from 1 to 5.

Upon adding an item to the cart, the user will be shown what is currently in their cart. At this point they can update the quantity of items they would like to purchase (if a quantity of 0 is entered, the product will be removed from the cart.) Furthermore, through the inCart relation, the carts are saved to the database and linked to the user by their userId. This means that users can create a cart, log out, and later log back in to find their cart unchanged from how they left it. When an order is placed, the user is asked to enter their account information before the shopping cart is emptied and the user is brought to a page giving them their order reference number and a link back to the home page.

When logged in as a customer, the header of the website is updated with a link that will display the customer information. If, however, a user is logged into an account with admin permissions, an additional option labelled "Admin" will appear. Clicking this displays a drop down menu with various options. Admin accounts can choose to view a page listing of all orders made, a page that lists the sum of money made each day, and a page listing all registered accounts including drop down. They can also choose to upload a new product to the

database by entering a name, price, description, category, and representative image. Finally, admins can update an existing product by changing its existing values.

The visual design of the page was done using bootstrap formatting. The page was created using a primarily grey color palette to impart a classy feel, including a grayscale CSS on the homepage for all images. At the top of the website, the header bar contains links to the product list and shopping cart which are accessible on all pages. Furthermore, the header dynamically changes depending on the status of the user. If a user is not logged in, a “Login” button will appear that displays a drop down which allows users to log into their account. When logged in, the header will remove the “Login” button and replace it with a link to a page displaying the users personal information. A welcome message containing the logged in users name will also appear alongside a log out button. If the logged in user is also an admin, the previously mentioned “Admin” button will appear as well.

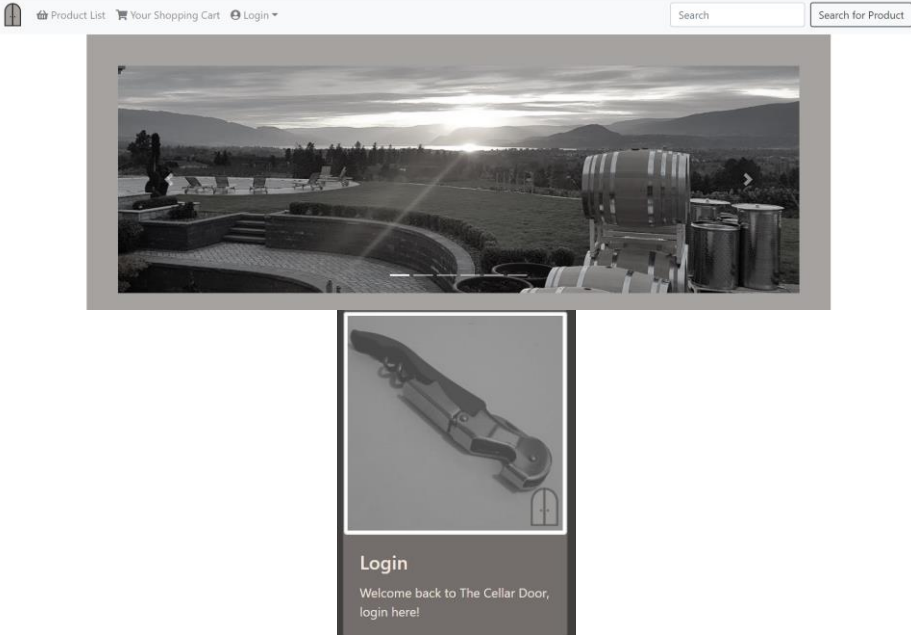
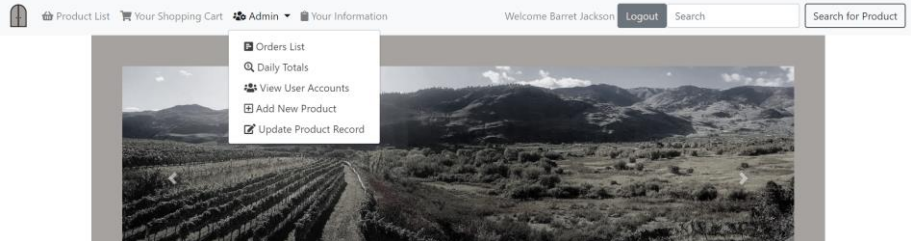
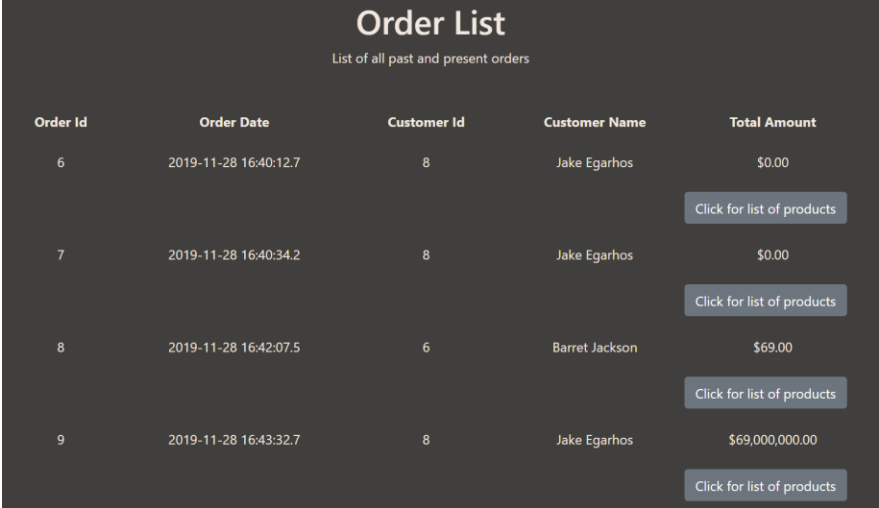
Although the current site functions on a basic level, many new features and security measures will need to be implemented before this site could go live. Features which will be implemented in the future are adding payment options, giving the customer the option to specify a billing address and a shipping address on checkout, updating a logged in user’s cart in the database in real time (rather than upon logging out), and expanding admin options such as providing a toggle button on the “Active Users” page that would allow an admin (or perhaps only the site owner) to grant or revoke admin privileges from any user. Regarding security, implementing cryptographic hashing on a user’s password using randomly generated hash salts unique to every user, and changing how form data is passed to the server to prevent script injections are top priority. Another way to improve security is to eliminate user ids and passwords and allow the user to login using either their Facebook or Google accounts.

# Section 4: Walkthrough

To follow along, access the website at

<https://cosc304.ok.ubc.ca/66122573/tomcat/final/index.jsp>

## Subsection 4.1: Administrator walkthrough

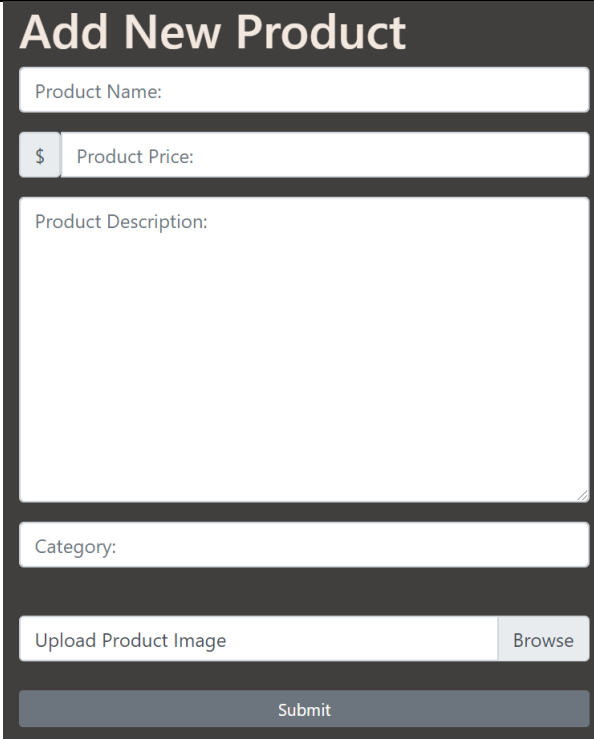
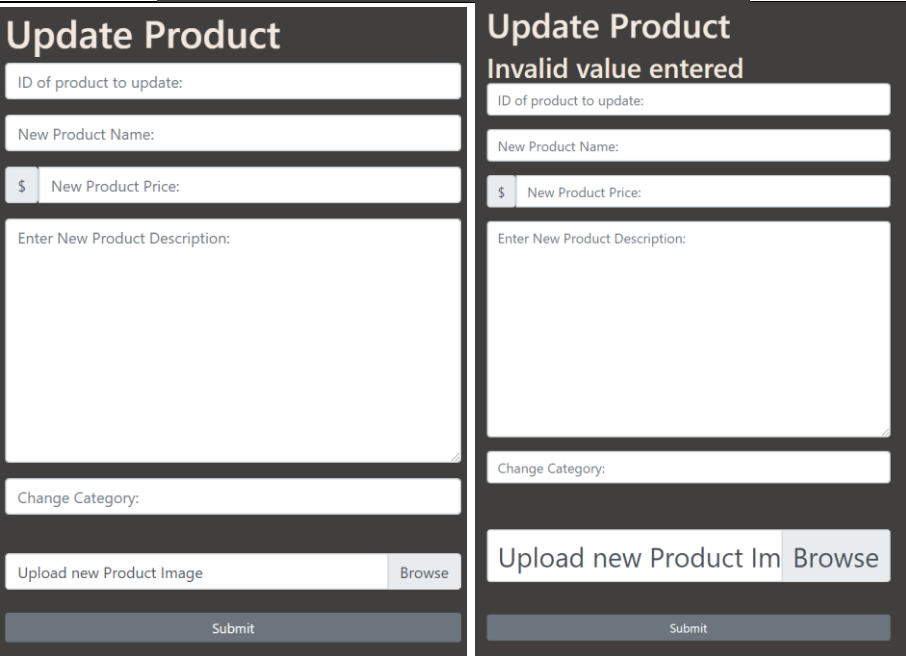
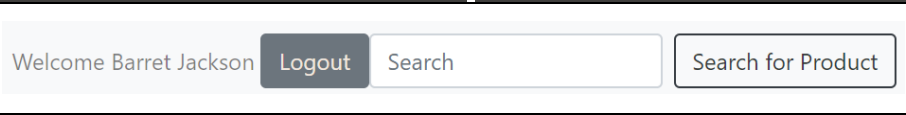
<p>1</p>	<p>Welcome to The Cellar Door! A dropdown on the header navbar allows you to login, or a link under the carousel directs you to a login page</p>																										
<p>2</p>	<p>Logging in with an admin account enables the login portal on the header. Click the dropdown menu to access admin functions</p>																										
<p>3</p>	<p>The "Order List" page shows a list of all past orders. The button opens up a dropdown showing the products ordered in each order. Looks like Jake really digs Pinot Noir!</p>	 <table border="1"> <thead> <tr> <th>Order Id</th> <th>Order Date</th> <th>Customer Id</th> <th>Customer Name</th> <th>Total Amount</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>2019-11-28 16:40:12.7</td> <td>8</td> <td>Jake Egarhos</td> <td>\$0.00</td> </tr> <tr> <td>7</td> <td>2019-11-28 16:40:34.2</td> <td>8</td> <td>Jake Egarhos</td> <td>\$0.00</td> </tr> <tr> <td>8</td> <td>2019-11-28 16:42:07.5</td> <td>6</td> <td>Barret Jackson</td> <td>\$69.00</td> </tr> <tr> <td>9</td> <td>2019-11-28 16:43:32.7</td> <td>8</td> <td>Jake Egarhos</td> <td>\$69,000,000.00</td> </tr> </tbody> </table>	Order Id	Order Date	Customer Id	Customer Name	Total Amount	6	2019-11-28 16:40:12.7	8	Jake Egarhos	\$0.00	7	2019-11-28 16:40:34.2	8	Jake Egarhos	\$0.00	8	2019-11-28 16:42:07.5	6	Barret Jackson	\$69.00	9	2019-11-28 16:43:32.7	8	Jake Egarhos	\$69,000,000.00
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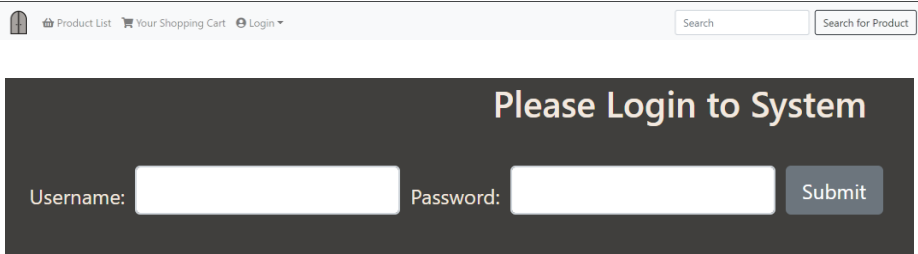
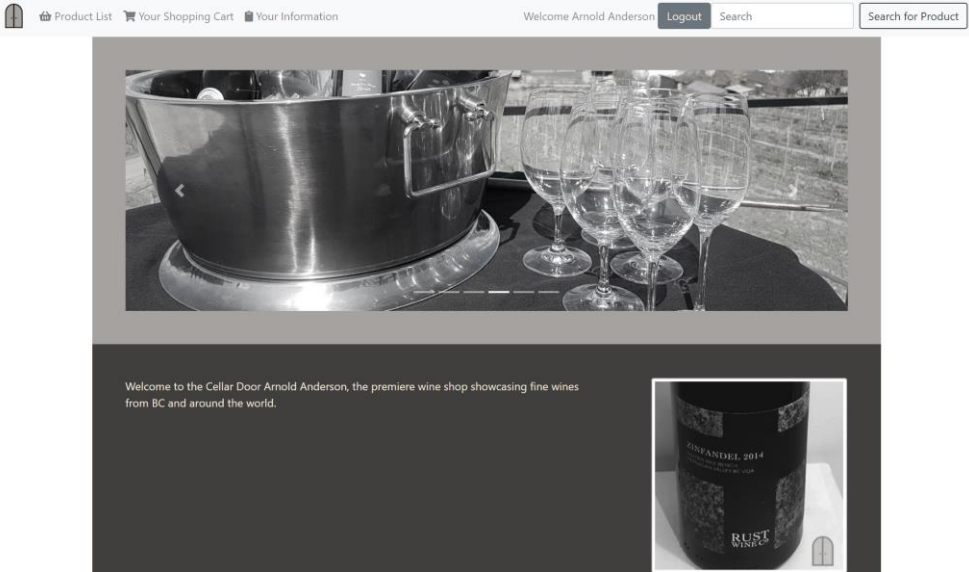
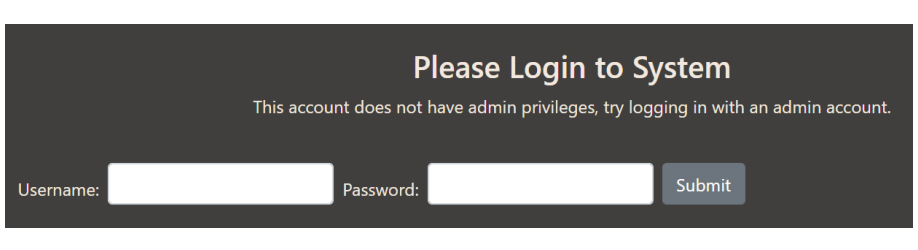
		9	2019-11-28 16:43:32.7	8	Jake Egarhos	\$69,000,000.00	
					<a href="#">Click for list of products</a>		
					<b>Product Id</b>	<b>Quantity</b>	<b>Price</b>
					1	1000000	\$69.00

4	The "Daily Totals" page shows the total sales per day		<h2>Daily Totals</h2> <table border="1"> <thead> <tr> <th>Order Date</th> <th>Total Order Amount</th> </tr> </thead> <tbody> <tr> <td>2019-09-15</td> <td>\$509.10</td> </tr> <tr> <td>2019-09-16</td> <td>\$106.75</td> </tr> <tr> <td>2019-09-17</td> <td>\$327.85</td> </tr> <tr> <td>2019-10-28</td> <td>\$69,000,069.00</td> </tr> </tbody> </table>		Order Date	Total Order Amount	2019-09-15	\$509.10	2019-09-16	\$106.75	2019-09-17	\$327.85	2019-10-28	\$69,000,069.00
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5	The "View User Accounts" show all active users. Similar to the "Orders List" page, the buttons expand dropdowns showing the user's information, including whether or not they have admin privileges	<h3>Active Users</h3> <table border="1"> <tr> <td>User Id</td> <td>arnold</td> <td><a href="#">Click for user information</a></td> </tr> <tr> <td>User Id</td> <td>bobby</td> <td><a href="#">Click for user information</a></td> </tr> <tr> <td>User Id</td> <td>candace</td> <td><a href="#">Click for user information</a></td> </tr> <tr> <td>User Id</td> <td>darren</td> <td><a href="#">Click for user information</a></td> </tr> <tr> <td>User Id</td> <td>beth</td> <td><a href="#">Click for user information</a></td> </tr> <tr> <td>User Id</td> <td>badmin</td> <td><a href="#">Click for user information</a></td> </tr> </table>	User Id	arnold	<a href="#">Click for user information</a>	User Id	bobby	<a href="#">Click for user information</a>	User Id	candace	<a href="#">Click for user information</a>	User Id	darren	<a href="#">Click for user information</a>	User Id	beth	<a href="#">Click for user information</a>	User Id	badmin	<a href="#">Click for user information</a>	<table border="1"> <tr> <td>User Id</td> <td>arnold</td> <td><a href="#">Click for user information</a></td> </tr> <tr> <td><b>Id</b></td> <td>1</td> <td></td> </tr> <tr> <td><b>First Name</b></td> <td>Arnold</td> <td></td> </tr> <tr> <td><b>Last Name</b></td> <td>Anderson</td> <td></td> </tr> <tr> <td><b>Email</b></td> <td>a.anderson@gmail.com</td> <td></td> </tr> <tr> <td><b>Phone</b></td> <td>204-111-2222</td> <td></td> </tr> <tr> <td><b>Address</b></td> <td>103 AnyWhere Street</td> <td></td> </tr> <tr> <td><b>City</b></td> <td>Winnipeg</td> <td></td> </tr> <tr> <td><b>State</b></td> <td>MB</td> <td></td> </tr> <tr> <td><b>Postal Code</b></td> <td>R3X 45T</td> <td></td> </tr> <tr> <td><b>Country</b></td> <td>Canada</td> <td></td> </tr> <tr> <td><b>User Id</b></td> <td>arnold</td> <td></td> </tr> <tr> <td><b>User Type</b></td> <td>customer</td> <td></td> </tr> </table>	User Id	arnold	<a href="#">Click for user information</a>	<b>Id</b>	1		<b>First Name</b>	Arnold		<b>Last Name</b>	Anderson		<b>Email</b>	a.anderson@gmail.com		<b>Phone</b>	204-111-2222		<b>Address</b>	103 AnyWhere Street		<b>City</b>	Winnipeg		<b>State</b>	MB		<b>Postal Code</b>	R3X 45T		<b>Country</b>	Canada		<b>User Id</b>	arnold		<b>User Type</b>	customer		<table border="1"> <tr> <td>User Id</td> <td>ghosseik</td> <td><a href="#">Click for user information</a></td> </tr> <tr> <td><b>Id</b></td> <td>7</td> <td></td> </tr> <tr> <td><b>First Name</b></td> <td>Karim</td> <td></td> </tr> <tr> <td><b>Last Name</b></td> <td>Ghossein</td> <td></td> </tr> <tr> <td><b>Email</b></td> <td>karim.ghossein@hotmail.com</td> <td></td> </tr> <tr> <td><b>Phone</b></td> <td>7802717761</td> <td></td> </tr> <tr> <td><b>Address</b></td> <td>7780 190th Street</td> <td></td> </tr> <tr> <td><b>City</b></td> <td>Edmonton</td> <td></td> </tr> <tr> <td><b>State</b></td> <td>Alberta</td> <td></td> </tr> <tr> <td><b>Postal Code</b></td> <td>T5T 5H8</td> <td></td> </tr> <tr> <td><b>Country</b></td> <td>Canada</td> <td></td> </tr> <tr> <td><b>User Id</b></td> <td>ghosseik</td> <td></td> </tr> <tr> <td><b>User Type</b></td> <td>admin</td> <td></td> </tr> </table>	User Id	ghosseik	<a href="#">Click for user information</a>	<b>Id</b>	7		<b>First Name</b>	Karim		<b>Last Name</b>	Ghossein		<b>Email</b>	karim.ghossein@hotmail.com		<b>Phone</b>	7802717761		<b>Address</b>	7780 190th Street		<b>City</b>	Edmonton		<b>State</b>	Alberta		<b>Postal Code</b>	T5T 5H8		<b>Country</b>	Canada		<b>User Id</b>	ghosseik		<b>User Type</b>	admin	
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6	<p>The “Add New Product” page does exactly what it says: allows an admin to add a product to the database. All fields are mandatory other than uploading a product image. Uploaded images are converted to byte streams and sent to the database</p>	
7	<p>“Update Product” allows an admin to change any details from a product in the database. The fields are all optional, and only fields with entries will make changes to the product in the database. The id cannot be changed, and an error message pops up if an invalid product id is entered (note that the error message breaks the format on the image uploader. Still troubleshooting this)</p>	
8	<p>Finally, to logout, simply click “Logout” on the header navbar</p>	

## Subsection 4.2: Customer walkthrough

1	As with administrators, a customer can login using the header navbar or by clicking on the homepage link to the “Login” page	 A screenshot of a web application's login page. The header contains navigation links: 'Product List', 'Your Shopping Cart', and 'Login'. A search bar is on the right. The main content area has a dark background with the text 'Please Login to System' in white. Below this, there are two input fields labeled 'Username:' and 'Password:', followed by a 'Submit' button.
2	Now that you've logged in, your name will show up in the right side of the navbar, and a welcome message will be displayed underneath the image carousel. Note that the admin portal is not available for customers	 A screenshot of a user dashboard. The header shows 'Welcome Arnold Anderson' and 'Logout' next to a search bar. Below the header is an image carousel showing a wine pot and glasses. Underneath the carousel, a message reads: 'Welcome to the Cellar Door Arnold Anderson, the premiere wine shop showcasing fine wines from BC and around the world.' To the right of this message is a small image of a wine bottle labeled 'CABANDEL 2014 RUST WINE'.
3	Crafty users who think they can access the admin portal are redirected to “Login” with a message telling them that they do not have admin privileges	 A screenshot of the login page with an error message. The header is the same as in the first screenshot. The main content area has a dark background with the text 'Please Login to System' and a message below it: 'This account does not have admin privileges, try logging in with an admin account.' Below the message are the 'Username:' and 'Password:' input fields and the 'Submit' button.

4 The “Your Information” button on the navbar links to a page showing the customer information for the current user (note that although there is a button called “Edit your profile”, this feature has not been implemented yet) and an option to view past orders (more on this later!)

<b>Id</b>	1
<b>First Name</b>	Arnold
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<b>Address</b>	103 AnyWhere Street
<b>City</b>	Winnipeg
<b>State</b>	MB
<b>Postal Code</b>	R3X 45T
<b>Country</b>	Canada
<b>User Id</b>	arnold

[Edit your profile](#)
[Click here to view past orders](#)

5 Let’s start shopping! Click on either the “Product List” button in the navbar, or the link on the homepage. The “Product List” page has a list of all products organized by category. The user can either browse through the page or search by product name in the search form on the page or in the navbar

Add to Cart	Moon Curser Tempranillo	Red Wine	\$32.94
Add to Cart	Summerhill Keter Blend	Red Wine	\$55.31
Add to Cart	Caduceus Nagual de la Naga Blend	Red Wine	\$65.46
Add to Cart	Kismet Mantra Blend	Red Wine	\$46.78
Add to Cart	Kitsch Pinot Noir Rose	Rose	\$25.00
Add to Cart	Painted Rock Rose	Rose	\$22.34
Add to Cart	Roche Rose	Rose	\$24.98
Add to Cart	Poplar Grove Blanc de Noirs	Rose	\$24.90
Add to Cart	50th Parallel Pinot Noir Rose	Rose	\$22.47
Add to Cart	The Hatch Dynasty White Blend	White Wine	\$32.69
Add to Cart	Haywire Free Form Sauvignon Blanc	White Wine	\$28.72
Add to Cart	The Hatch The Orange Order	White Wine	\$24.29

	Product Name	Category	Price
Add to Cart	Kitsch Pinot Noir	Red Wine	\$69.00
Add to Cart	Spearhead Pinot Noir Cuvee	Red Wine	\$36.52
Add to Cart	Kitsch Pinot Noir Rose	Rose	\$25.00
Add to Cart	50th Parallel Pinot Noir Rose	Rose	\$22.47

6 Clicking on the name of the product brings you to the “Product” page. On the left is an image of the wine from the database (if it exists), an image from a URL (if it exists), an option to “Add to Cart”, an option to “Continue Shopping”, the wine’s name, id, and price, a short description, an option to add a review, then a list of reviews below organized by the user who left the review.

**Caduceus Nagual de la Naga Blend**  
 Id: 13  
 Price: \$65.46  
 In the mountains of Jerome Arizona winery owner James Maynard Keenan fought off wild boar with a shotgun to protect the grapes that made this wine

**Your review has been submitted!**

User ID:

Your review here (maximum 1000 characters):

Your rating:

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badmin

---

5 stars

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2019-11-30 00:00:00.0

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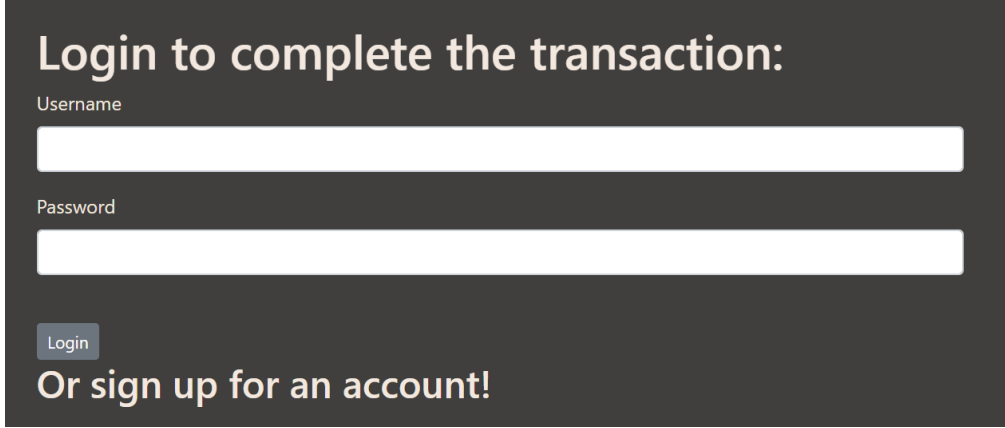
This might be the best wine I've ever had in my life. Can I give it a twelve star rating?

7 Let’s order some wine! Clicking “Add to Cart” brings you to the shopping cart. Looks like Arnold is having a party! A user can change the quantity of items in their shopping cart by inputting a different value and clicking “Update Quantity.” The subtotals and Order Total update automatically. Inputting a quantity of zero or clicking “Remove from cart”

Product List | Your Shopping Cart | Your Information | Welcome Arnold Anderson | Logout | Search | Search for Product

### Your Shopping Cart

Product Id	Product Name	Quantity	Price	Subtotal		
11	Moon Curser Tempranillo	<input type="text" value="13"/>	\$32.94	\$428.22	Remove from cart	<input type="button" value="Update Quantity"/>
1	Kitsch Pinot Noir	<input type="text" value="24"/>	\$69.00	\$1,656.00	Remove from cart	<input type="button" value="Update Quantity"/>
13	Caduceus Nagual de la Naga Blend	<input type="text" value="15"/>	\$65.46	\$981.90	Remove from cart	<input type="button" value="Update Quantity"/>
6	Le Vieux Pin Syrah	<input type="text" value="6"/>	\$48.75	\$292.50	Remove from cart	<input type="button" value="Update Quantity"/>
7	Rust Zinfandel	<input type="text" value="8"/>	\$36.50	\$292.00	Remove from cart	<input type="button" value="Update Quantity"/>
<b>Order Total</b>				\$3,650.62		

	<p>removes the item from the user's cart. Clicking "Clear Cart" removes all the items from the user's cart. Finally, logging out of your account automatically saves your cart to the database so that it can be retrieved the next time you login (remember to logout!)</p>	
8	<p>Let's put in Arnold's order for his party. Clicking on "Check Out" sends us to the order page. Just in case you leave a large order in your shopping cart and leave your computer alone for a few minutes, the system asks you to confirm your login details before checking out (or to create a new account if you don't have one already. Don't worry, your shopping cart will be carried over when you login).</p>	 <p><b>Login to complete the transaction:</b></p> <p>Username <input type="text"/></p> <p>Password <input type="password"/></p> <p><input type="button" value="Login"/></p> <p><b>Or sign up for an account!</b></p>

9 Party time! Arnold's order has gone through and will be shipped out soon. He's given a reference number and his name and customer number are displayed underneath a table of the products he's ordered

### Your order:

Product Id	Product Name	Quantity	Price	Subtotal
11	Moon Curser Tempranillo	13	\$32.94	\$428.22
1	Kitsch Pinot Noir	24	\$69.00	\$1,656.00
13	Caduceus Nagual de la Naga Blend	15	\$65.46	\$981.90
6	Le Vieux Pin Syrah	6	\$48.75	\$292.50
7	Rust Zinfandel	8	\$36.50	\$292.00
<b>Order Total</b>				<b>\$3,650.62</b>

**Order completed, will be shipped soon!**  
 Your order reference number is: 12  
 Shipping to customer: 1  
 Name: Arnold Anderson

[Return to homepage](#)

10 Let's take a look at Arnold's past order in his "Customer Orders" page. Similar to "Order List" in admin, this page lists all past orders; however, since Arnold is a customer, he only gets to see his orders.

### Order List

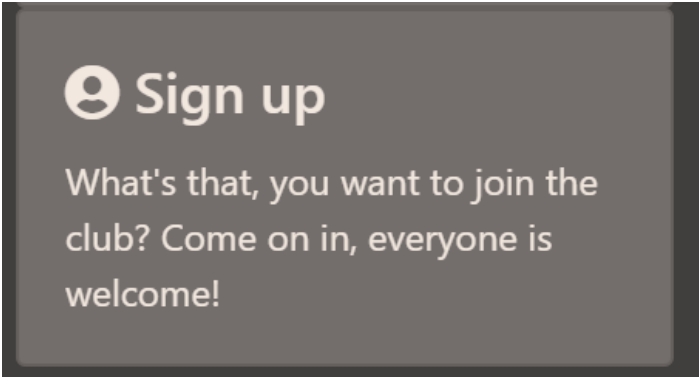
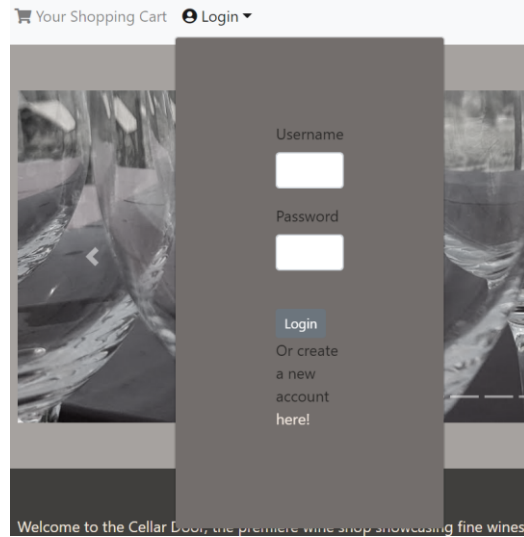
All of the orders that Arnold Anderson has ever placed.

Order Id	Order Date	Customer Id	Customer Name	Total Amount
12	2019-11-30 17:21:02.7	1	Arnold Anderson	\$3,650.62

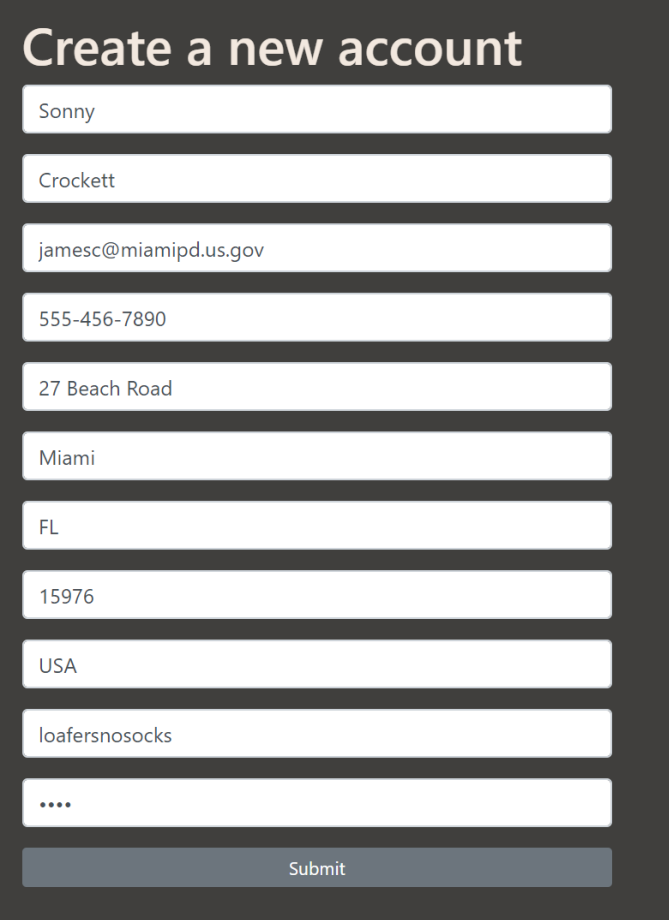
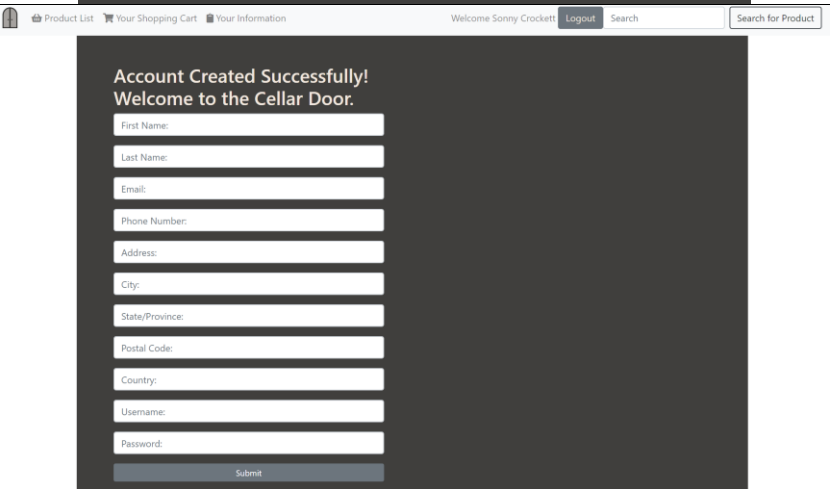
[Click for list of products](#)

Product Id	Quantity	Price
1	24	\$69.00
6	6	\$48.75
7	8	\$36.50
11	13	\$32.94
13	15	\$65.46

11 Let's logout and sign up a new customer account. Under the "Login" dropdown on the navbar, click "create a new account here!" or click on the card for creating a new account on the homepage





<p>12</p>	<p>Here Sonny Crockett has inputted his user information. Let's create a new account for him!</p>	
<p>13</p>	<p>Success! Sonny's account has been created, and he is given a welcome message. Notice in the navbar that upon successful creation of his account, Sonny is logged in automatically.</p>	
<p>14</p>	<p>Someone tried to take Sonny's username "loafersnosocks." The system informs them that username is already taken</p>	