**Project Abstract**

BC Liquor Stores are currently the largest in-person alcohol stores in British Columbia. However, with new technology coming out, the stores are missing out on a lot of revenue which could be made by creating a web application that delivers their products. Our application is designed to solves such problems:

1. Helping BC Liquor Store expand an online store to increase revenue

2. Bringing convenience to our users: Users are able to order their alcohol with a touch of a button

3. Benefiting our society for decreased DUI rate: Using our App may help reduce the likelihood of people driving to get refills

**Prototype**

We use Adobe XD to create the prototype of the project.

link to our prototype:

<https://xd.adobe.com/view/6e2bf3ce-4390-4d47-a89f-b8f9c78c5dae-3b78/?fullscreen#access_token=eyJ4NXUiOiJpbXNfbmExLWtleS0xLmNlciIsImFsZyI6IlJTMjU2In0..iWYwgVec9kzLXdfqHSfbPry9EJ9sfJtVwEoeBKRoDNq7nPDpN5PakYEFSZz9QOgKeuIKlW2zGGQOtIwQtJblkocQ2xNt8MjrkDgImhYnvhAjlYfiVn1Hxm4hPvROXV_X7oLwUlL7B06Gmp4qgsTKkQNTxAaG3CPhmN7q4ZhetVIsNbh6H_ugwSbK1YfV2tdZp2zBIrDurufpFK5zSSJqf88ogFTaBe5y4AeK4lRnnDT7f50Uj9aowJC06h33pw0nuh1V9luR0mt7YBkjiF_wFGDO1r7IcHJtihlxCRc95DTH-wqU30z0rGjP1PkBlF681sAazn0oPK_utzBYdSjFZg&token_type=bearer&expires_in=86399997>

**Customer**

Our target customers are ages 19+ liquor lovers who enjoy drinking at home, sensitive to price, and prefer board product selections.

**Competitive Analysis**

Our competitors such as Uber Eats or DoorDash only provide restaurant liquor delivery service. Usually, these products are overpriced due to profit earned by both liquor providers and restaurant owners. Our app helps customers reduce their expenses by directly ordering their favorite product from the one of the largest liquor retailers in BC. Moreover, BC Liquor Stores’ product is more varied than any restaurant in town. From world-renown brands to local popular brands, no matter wine, beer, spirit, coolers or ciders, all purchases can be easily done with a touch of a button.

**User Stories**

**Name and Actor** : Regular User

**Title:** Regular User Sign Up and Login(Iteration 1)

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**Triggers:** As a regular user, I need to sign up first and then login to the website

**Actions:** After opening the homepage, I click “SignUp” from the navigation bar, then I am redirected to a signUp page with a registration form. I type in my cell phone number and click get authentication code. After I put in the authentication code I get and the same password twice and click the submit button to register.

**Acceptance Test Criteria:**

1. If the typed phone number is not 10 digit, I see a warning message: “Please type in a valid phone number ”

2. There are two Password fields, the second password field input should be exactly the same as the first time input. If two passwords are not matched, I will see a warning message: “Please confirm your password”

3. After signing up, I am able to login and logout from the website. I can see my account name as “User”, my status as “Login”. “Log Out” should show on my user profile. After clicking “Log Out”, I changed back to the original not login status.

4. My username and password should be handled securely: the user’s password should be hashed and saved into the database.

5. If the number is already in the database a message will provide “phone number already exists”, and the user can decide to reset his password.

Regular user story ToDoList:

* Users can view all items and click on specific items to view more details.
* Users can save items to the shopping cart.
* Users can proceed to checkout, type in their delivery address, and pay for the purchase
* Users can view their orders’ status and track order’s location
* Users can review their orders and grade their drivers’ service

**Name and Actor**: Regular User 2

**Title:** reset a password when I forgot(Iteration 1)

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**Triggers:** As a regular user, I need to sign in my account but I tried several times, I still cannot log in because of the wrong password

**Actions:** After I tried several times to log into my account, I decided to reset my password.

**Acceptance Test Criteria:**

1. on the login page, I click on “[forgot password?](http://bcliquorstore.herokuapp.com/ForgoPw)”.

2. In order to reset my password, I need to put in my phone number and get an authentication code.

3. After the system checks my authentication code I input my new password

4. I use my new password to login to my account to purchase alcohol.

Regular user story ToDoList:

* Users can view all items and click on specific items to view more details.
* Users can save items to the shopping cart.
* User can proceed to checkout, type in their delivery address, and pay for the purchase
* User can view their orders’ status and track order’s location
* User can review their orders and grade their drivers’ service

**Name and Actor:** Administrator

**Title:** Administrator Login (Iteration 1)

**Triggers:** As an administrator, I need to login to view all the website users and am able to add, delete, and edit each user.

**Actions:** I clicked the “Login” from the navigation bar, then I am redirected to a login page with a login form. I type in my cell phone number and password and click the “submit” button to login.

**Acceptance Test Criteria:**

1. If the password is not correct, I see a warning message: “The password is not correct, please try it again”

2. If the phone number and password is correct, I will be redirected to the home page. I can see my role as “admin” and my status as “Login”. “Log Out” should show up on my user profile. After clicking “Log Out”, I changed back to the original not login status.

3. I can view all the users and may add users, delete users or edit their information.

Administrator story ToDoList:

* Administer can add, delete and edit drivers
* Administer can match drivers with customers according to driver’s availability and distance
* Administer can check the working status of all drivers

**Name and Actor:** Driver

**Title:** Driver Login (Iteration 1)

**Triggers:** As a driver, I need to login to view a task list including my previous completed tasks and my current unfinished task

**Actions:** I clicked the “Login” from the navigation bar, then I am redirected to a login page with a login form. I type in my cell phone number and password and click the “submit” button to login.

**Acceptance Test Criteria:**

1. If the password is not correct, I see a warning message:” The password is not correct, please try it again”
2. If the phone number and password is correct, I will be redirected to the home page. I can see my account name as “driver” and my status as “Login”. The “Log Out” should show up on my user profile. After clicking “Log Out”, I changed back to the original not login status.
3. I can view all of my completed tasks and current unfinished tasks.

**Driver story ToDoList:**

* Drivers can view all the service reviews from the customer.
* The driver can set their working status to “available” for delivery, after being assigned for a delivery task, the status is automatically set to “not available”.