

Sequence Diagram for Alcohol Delivery System:

-Use Case: ID verification

-Actors: Customer

-Objects: ID Verifier, Order Processor, Payment

Steps for Verification:

- 1.) Customer attempts to place an order
- 2.) System requests ID from Customer for verification.
- 3.) Customer scans in ID
- 4.) The System reads ID
- 5.) If ID is verified: 1. System notifies Customer of approval
- 6.) The system continues with order and payment processing
- 7.) If ID verification unsuccessful: 1 Customer sees error message

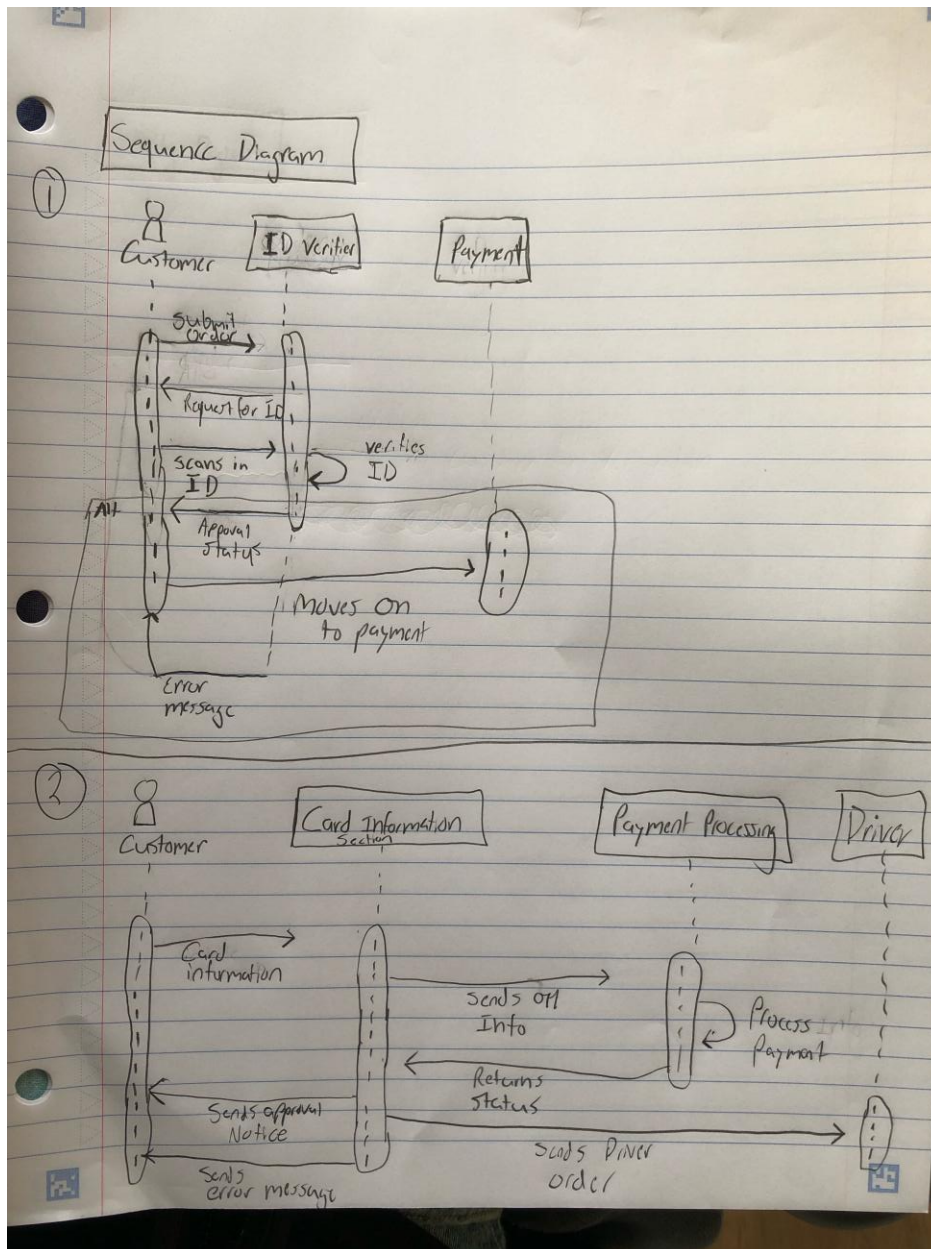
-Use Case: Payment

-Actors: Customer

-Objects: Card information panel, payment, Delivery Driver

Steps for payment:

- 1.) Customer inputs card information into card information panel after having ID approved.
- 2.) Card panel initiates payment for alcohol
- 3.) Payment process the payment and returns payment status
- 4.) Card either rejects the card
- 5.) Or Approves and customer receives receipt of transaction
- 6.) Sends confirmation for delivery driver to start order



Activity Diagram

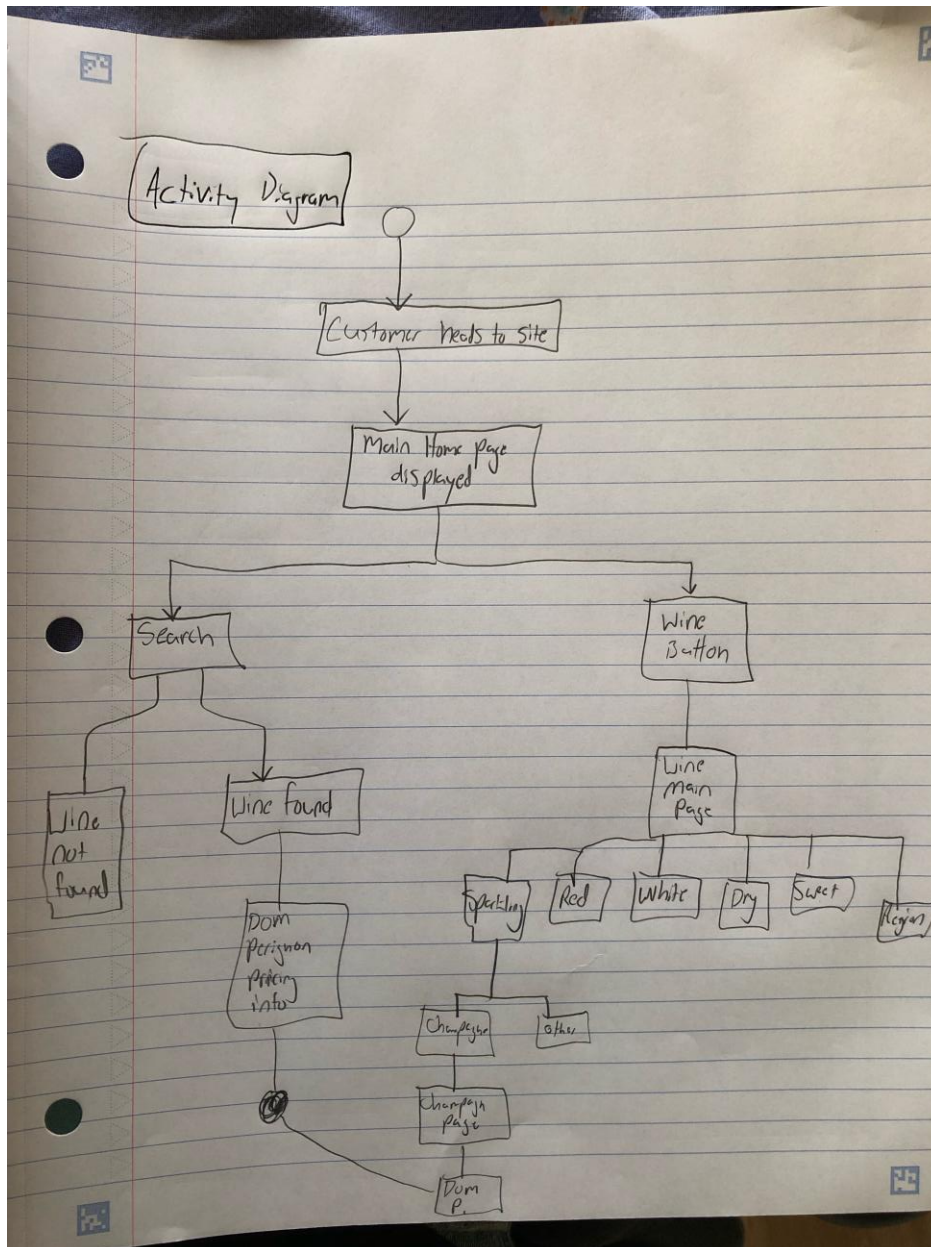
Use Case: Customer looking through store catalog for a specific wine

-Initial State: Customer at home page for website

-Final State: 1.) Customer on wine's page looking at pricing and quantity

2.) Wine is not in inventory or unavailable.

Actions: Customer goes to website's home page. Can either go to the search bar and type in name of wine or go to the wine section of the webpage. Directed to wines page if wine name searched for is available. If not, error message pops up of wine not found. If they go to the wine section, further subcategories can be found, but initially displays the most popular wines. Look through Red or White wines, wine type (Cab Sav, Pinot Gris, etc), Wine region (by country and territory), or Wine Sweetness level. Selections from there will display all wines of selected category in alphabetical order of the given type. Can click on individual wines from those pages to look up more details and payment options.



User Case: Drivers Delivery of product

-Initial State: Driver on call waiting for notifications of deliveries

Final State: 1.) Driver dropping off delivery to customer

2.) Customer not home or not able to verify ID

Actions: Delivery driver receives notification of alcohol delivery, desired delivery time, and delivery location. Heads to store and confirms order. Picks up order and heads to delivery location at the given drop off time. Driver meets customer at location and re-verifies the age of the customer. Has customer sign for alcohol and takes picture of successful delivery.

