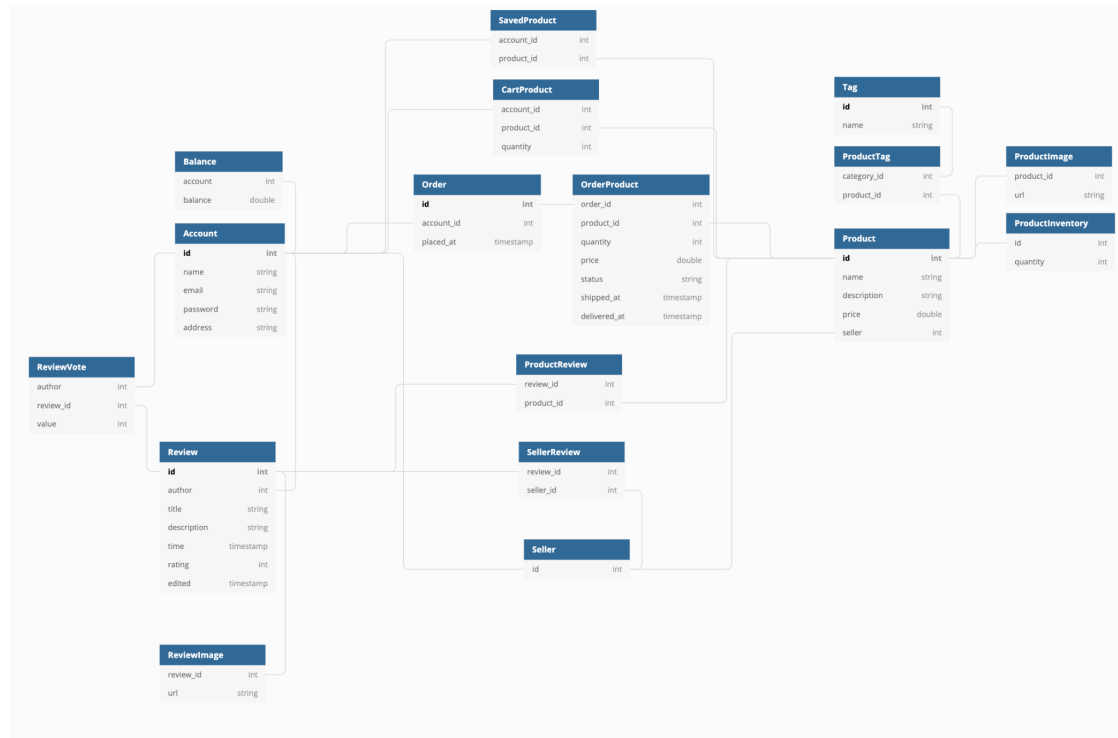# Checkpoint 2
Nozama Group

Account(<u>id</u>, name, email, password, address)
Balance(<u>account</u>, balance)
Seller(<u>id</u>)
Product(<u>id</u>, name, description, price, seller)
ProductInventory(<u>id</u>, quantity)
CartProduct(<u>account_id</u>, <u>product_id</u>, quantity)
SavedProduct(<u>account_id</u>, <u>product_id</u>)
Order(<u>id</u>, account_id, placed_at)
OrderProduct(<u>order_id</u>, <u>product_id</u>, quantity, price, status, shipped_at, delivered_at)
ProductTag(<u>category_id</u>, <u>product_id</u>)
Tag(<u>id</u>, <u>name</u>)
ProductImage(<u>product_id</u>, url)
Review(<u>id</u>, author, title, description, time, rating, edited)
ReviewImage(<u>review_id</u>, url)
ReviewVote(<u>author</u>, <u>review_id</u>, value)
ProductReview(<u>review_id</u>, product_id)

SellerReview(review_id, seller_id)

Account(<u>id</u>, name, email, password, address)

Contains all of the account information with a unique id as the key. None of the values can be null and email must also be unique. We assume that there aren't multiple people utilizing a single account.

Balance(<u>account</u>, balance)

Contains the current account balances. Balances stored in a separate table since it will be updated much more frequently than the rest of the account information. By separating the table we can update account balances without blocking the application from reading other account data. We assume that balances cannot be negative such that a purchase request will not go through if there isn't enough money in a given account.

Seller(<u>id</u>)

Contains all of the ids of accounts that are sellers.

Product(<u>id</u>, name, description, price, seller)

Table containing all of the product information. We assume that each product is only sold by one seller, or that if the same product is sold by multiple sellers then the products have different id's.

ProductInventory(<u>id</u>, quantity)

Separate the ProductInventory from the Product table to allow for updating product inventory statuses without affecting the ability to read from the Product table.

CartProduct(<u>account_id</u>, <u>product_id</u>, quantity)

Stores all of the items that are saved in users' carts. Each product also has an associated quantity.

SavedProduct(<u>account_id</u>, <u>product_id</u>)

Similar to the cart, however these items do not have an associated quantity.

Order(<u>id</u>, account_id, placed_at)

Contains the general order information that links an order to an account as well as the time the order was placed at.

OrderProduct(<u>order_id</u>, <u>product_id</u>, quantity, price, status, shipped_at, delivered_at)

Links a product to an order. Tracks how many of this product was included in the order, the price of the product at the time of the order, the status of the product, as well as timestamps for when the product was shipped and delivered. This allows us to make the assumption that products purchased in the same order may ship at different times.

ProductTag(category_id, product_id)
Links tags to products

Tag(id, name)
List of supported tags, each with their own unique id used to link them to products.

ProductImage(product_id, url)
Links images to products.

Review(id, author, title, description, time, rating, edited)
Contains information about a review on the site. Every review has a unique id. The rest of the information, with the exception of the edited timestamp, cannot be null.

ReviewImage(review_id, url)
Links images to a review.

ReviewVote(author, review_id, value)
Stores user votes for reviews.

ProductReview(review_id, product_id)
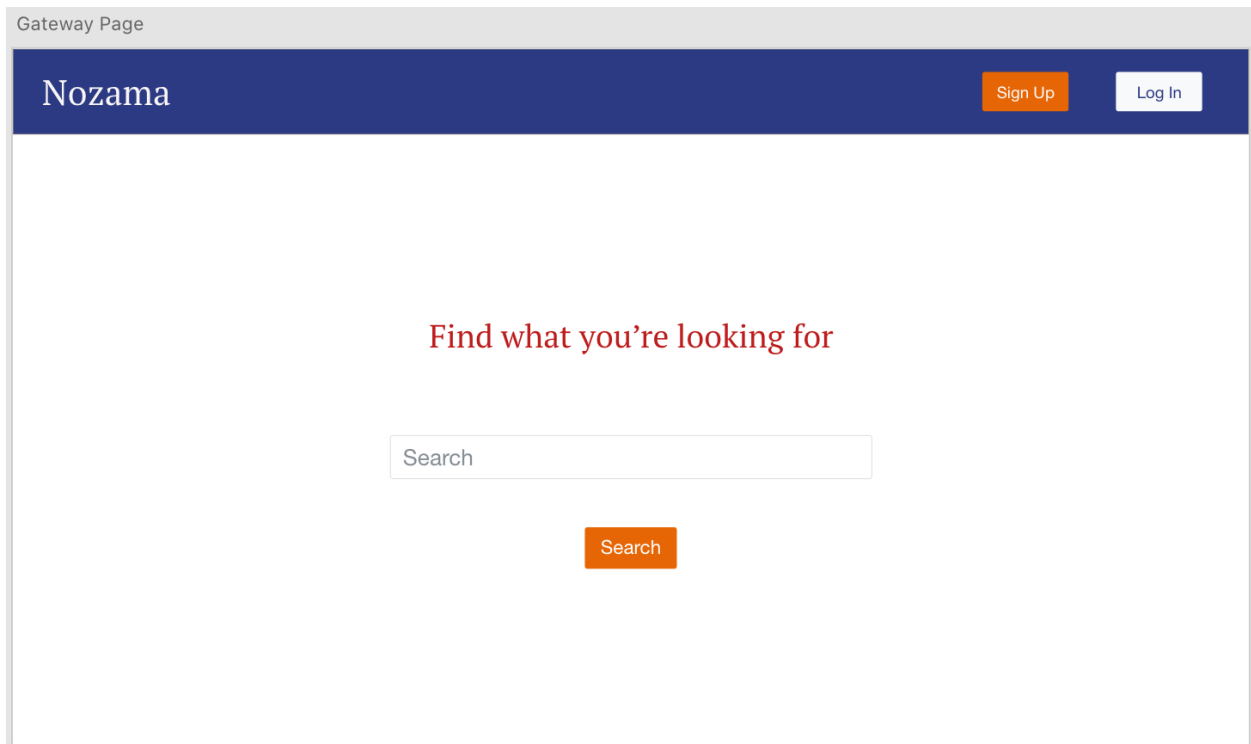Links a review to a product.

SellerReview(review_id, seller_id)
Links a review to a seller.

Nozama is our version of Amazon, designed to be a user-friendly vendor-based online shopping platform.

When you navigate to Nozama.com you arrive at the following gateway page;

Wireframes

Nozama

Sign Up   Log In

Find what you're looking for

Search

Search

From this page, you can either search, log in, or sign up. If you choose to search you will arrive at the search results page, pictured below;

Nozama

Water bottle

Log Out   AP

Account Information
Order History
My Cart
Help

"Water bottle" results

Sample Product
From: Seller
Price: $25.75

Sample Product 2
From: Seller 2
Price: $21.43

Sample Product 3
From: Seller 3
Price: $17.32
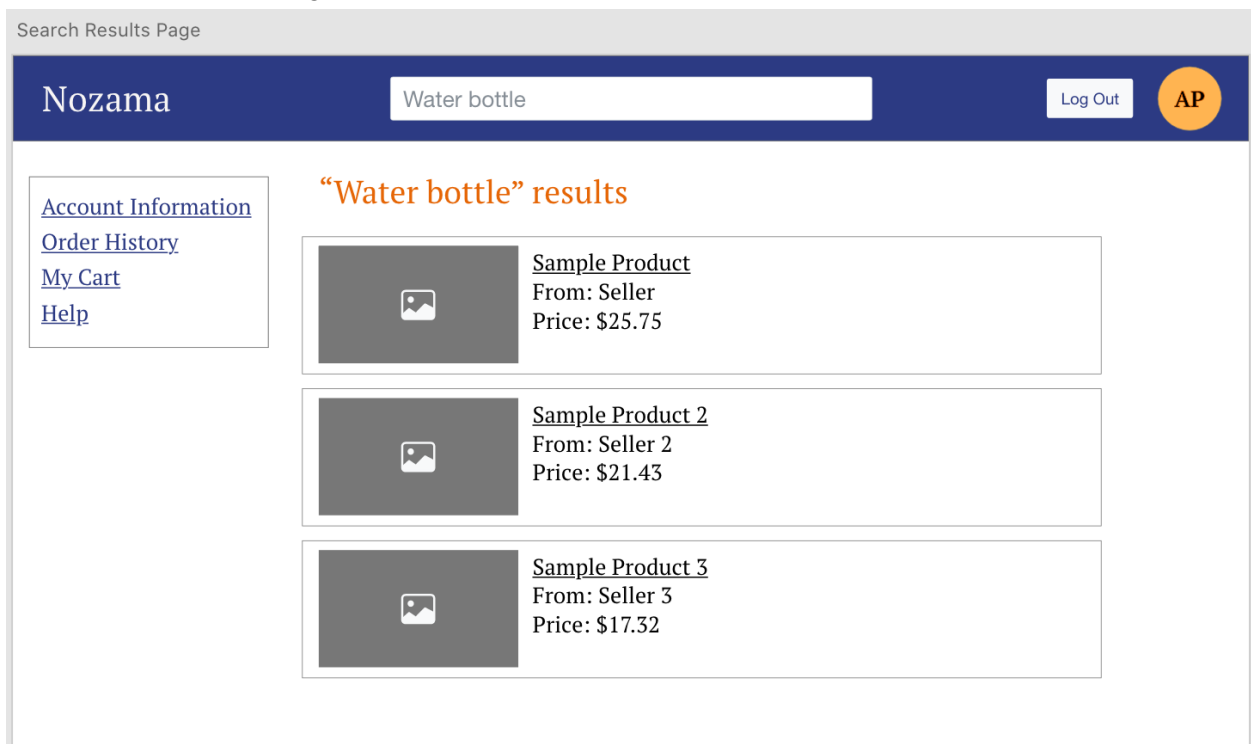
If you choose log in you will go to this page;

Nozama

Sign Up

Log In

Email

Password

Remember Me   Log In

Forgot Username   Forgot Password

If you Sign Up you will go to this page;

Nozama

Log In

Sign Up

Full Name   Street Address

Email   City

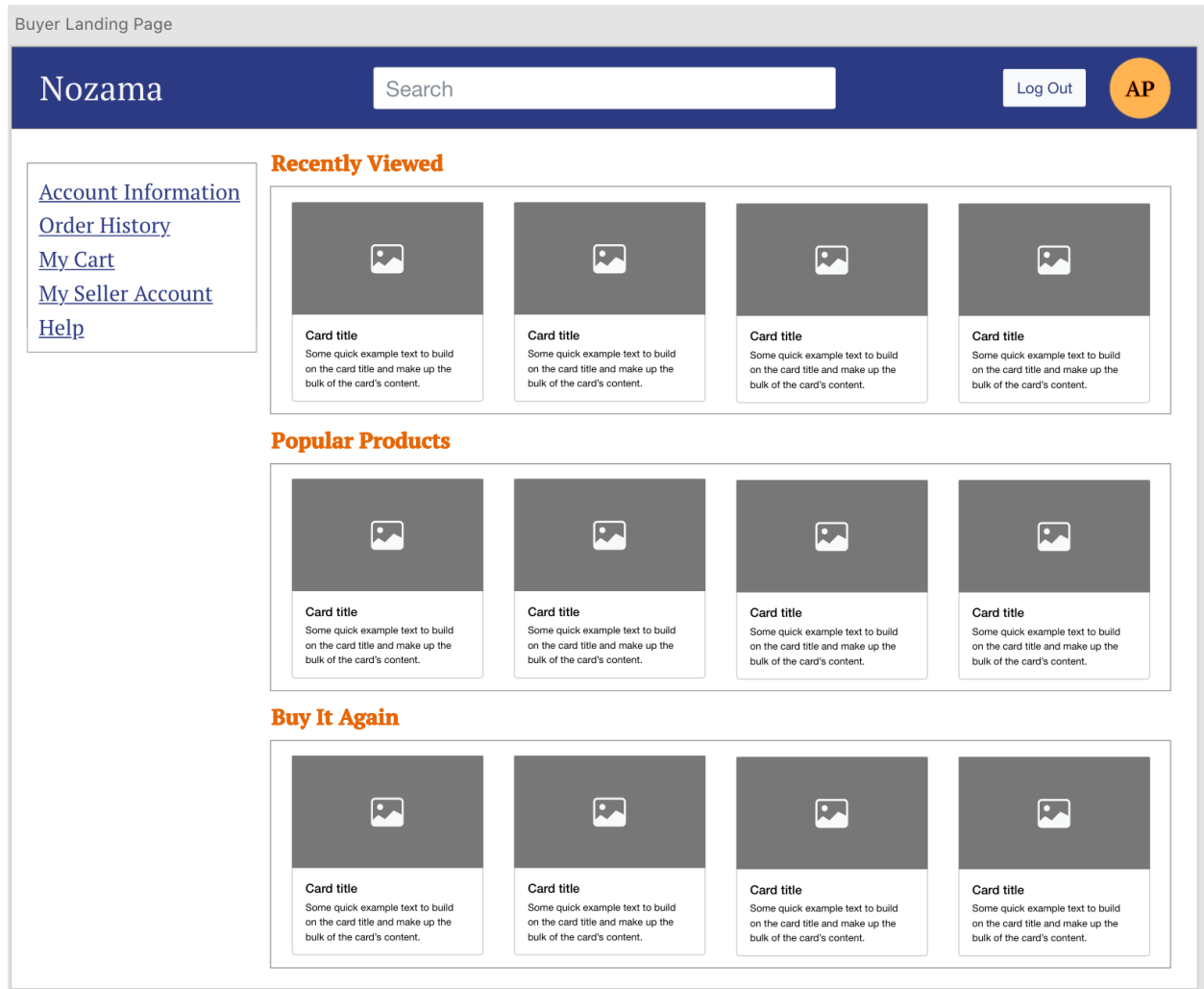Password   State

Repeat Password   Zip Code

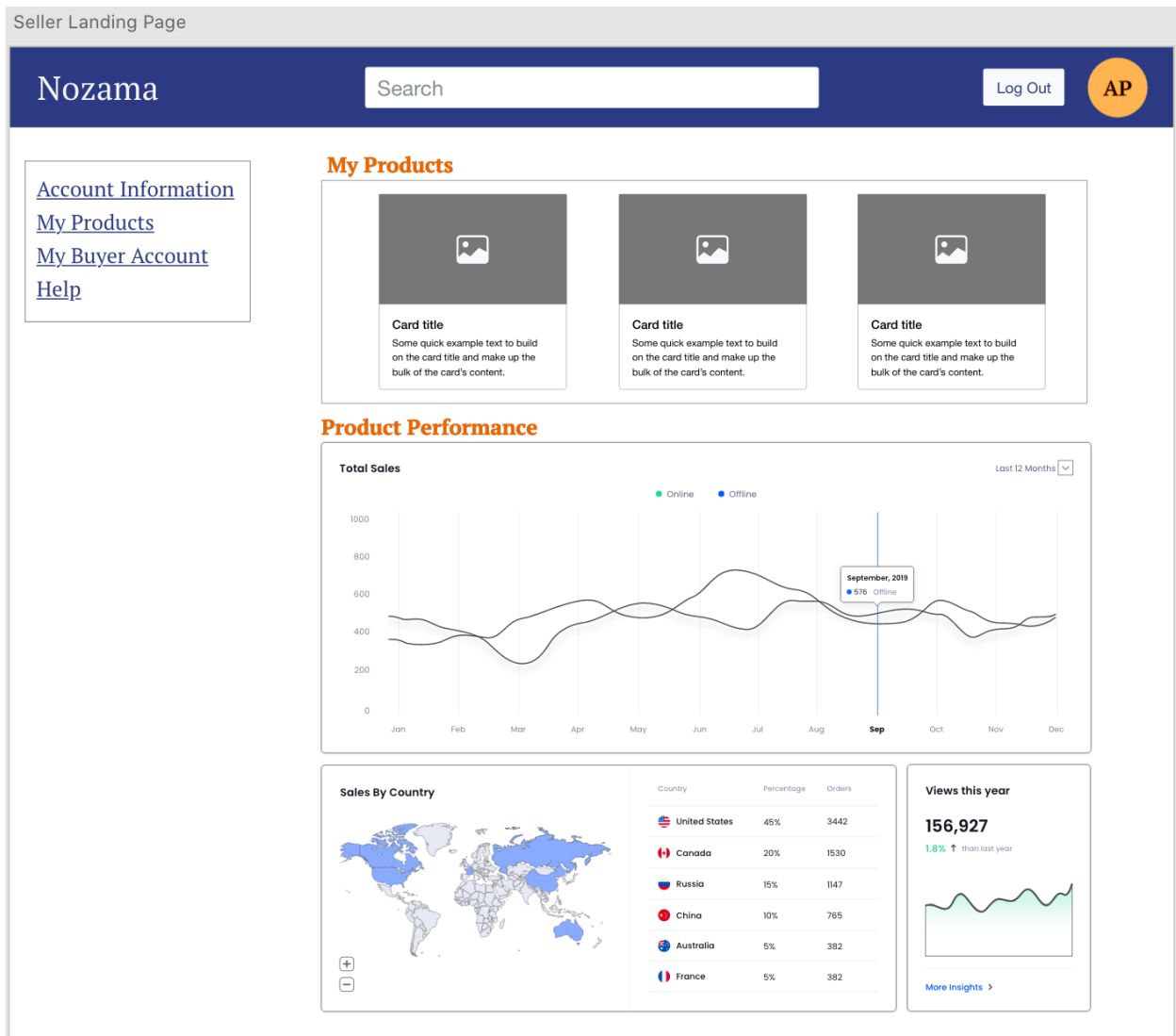Accept Terms and Conditions   ☐ Vendor   ☐ Buyer

Submit

As a note, when you sign up you have the option to identify as a buyer and/or a seller. All vendor accounts are also buyer accounts, with some unique functionality as we will see later.

For both log in and sign up, once completed you will be taken to the landing page;

Nozama

Search

Log Out   AP

Account Information
Order History
My Cart
My Seller Account
Help

Recently Viewed

Card title
Some quick example text to build on the card title and make up the bulk of the card's content.

Card title
Some quick example text to build on the card title and make up the bulk of the card's content.

Card title
Some quick example text to build on the card title and make up the bulk of the card's content.

Card title
Some quick example text to build on the card title and make up the bulk of the card's content.

Popular Products

Card title
Some quick example text to build on the card title and make up the bulk of the card's content.

Card title
Some quick example text to build on the card title and make up the bulk of the card's content.

Card title
Some quick example text to build on the card title and make up the bulk of the card's content.

Card title
Some quick example text to build on the card title and make up the bulk of the card's content.

Buy It Again

Card title
Some quick example text to build on the card title and make up the bulk of the card's content.

Card title
Some quick example text to build on the card title and make up the bulk of the card's content.

Card title
Some quick example text to build on the card title and make up the bulk of the card's content.

Card title
Some quick example text to build on the card title and make up the bulk of the card's content.

This landing page will identify products that users might be interested in. We are considering adding the additional implementation of recently viewed, though it is not in our database schema at this time.

The sample account we are viewing is a Vendor/Buyer so they also have the option on the left to go to their Vendor Landing page. The vendor landing page has information regarding the relative success of their products as well as a list of some of their products. If they navigate to their products page they can see more on this. If they navigate to the my buyer account tab, they will be taken back to the previous page.

Seller Landing Page

Nozama

Search

Log Out   AP

Account Information
My Products
My Buyer Account
Help

My Products

Card title	Card title	Card title
Some quick example text to build on the card title and make up the bulk of the card's content.	Some quick example text to build on the card title and make up the bulk of the card's content.	Some quick example text to build on the card title and make up the bulk of the card's content.

Product Performance

Total Sales   Last 12 Months

● Online   ● Offline

1000

800

600   September, 2019
             ● 576 Offline

400

200

0
   Jan   Feb   Mar   Apr   May   Jun   Jul   Aug   **Sep**   Oct   Nov   Dec

Sales By Country

Country	Percentage	Orders
United States	45%	3442
Canada	20%	1530
Russia	15%	1147
China	10%	765
Australia	5%	382
France	5%	382

Views this year

156,927

1.8% ↑ than last year

More Insights >

All accounts require the same log in information all of which is malleable through the Account information tab on the left of both vendor and buyer accounts.

Nozama

Search

Log Out   AP

Account Information
Order History
My Cart
Help

Account Information

Name:
Areal Person   Edit

Email:
sample@sample.com   Edit

Password:
*******************   Edit

Shipping Address:
Areal Person   Edit
12 Fake St.
Durham, NC
27514

Payment Info: Edit

Card Number: **** **** **** 9012
Exp Date: **/****
Security Code: ***

Billing Address:

Areal Person
12 Fake St.
Durham, NC
27514

Account Type:
Client/Vendor   Edit

When the edit buttons are selected they will change into populatable string fields, the number and type of which varies with the field that needs changing. Below we can see what this would look like if someone wanted to change the name field.

Nozama

Search

Log Out   AP

Account Information
Order History
My Cart
Help

Account Information

Name

Email:
sample@sample.com

Password:
****

Shipping Address:
Areal Person
12 Fake St.
Durham, NC
27514

Payment Info:

Card Number: **** **** **** 9012
Exp Date: **/****
Security Code: ***

Billing Address:

Areal Person
12 Fake St.
Durham, NC
27514

Account Type:
Client/Vendor

Vendors also have the ability to add new products to their store:

Nozama

Search

Log Out AP

Account Information
My Products
My Buyer Account
Help

Product Name

Tags

Quantity

Description

Upload Image

Or edit existing products in a similar manner to the account information edit flow.

Nozama

Search

Log Out AP

Account Information
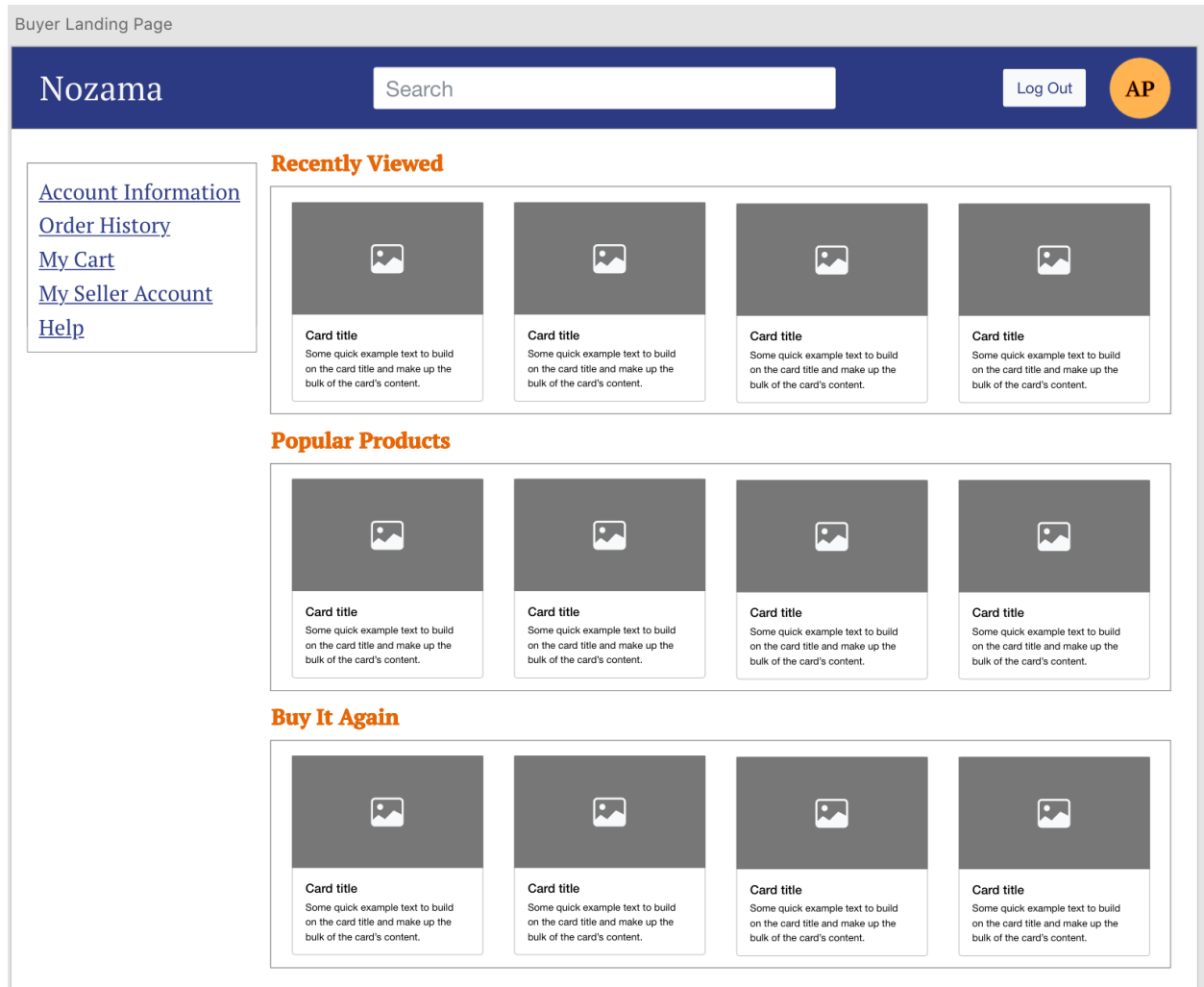My Products
My Buyer Account
Help

Sample Product 1

Price: $ 20.55 + Shipping and Handling

Description:

Lorem ipsum dolor queret mores lamen. Forus tentar
bendon mestro kalium. Forges trenden can bor ten
omlopp trevas.

Quantity Sold: 123

Quantity Remaining: 32

Rating:

Edit

This is all we have for the vendor landing page, but in our next iteration we will likely create a card view of all products from one vendor akin to the search results page such that vendors can see more than three products at a time. From this page we can go back to the buyer side by selecting My Buyer Account on the left side of the screen, taking us back to the buyer landing page.

Buyer Landing Page

Nozama

Search

Log Out   AP

Recently Viewed

Card title	Card title	Card title	Card title
Some quick example text to build on the card title and make up the bulk of the card's content.	Some quick example text to build on the card title and make up the bulk of the card's content.	Some quick example text to build on the card title and make up the bulk of the card's content.	Some quick example text to build on the card title and make up the bulk of the card's content.

Account Information
Order History
My Cart
My Seller Account
Help

Popular Products

Card title	Card title	Card title	Card title
Some quick example text to build on the card title and make up the bulk of the card's content.	Some quick example text to build on the card title and make up the bulk of the card's content.	Some quick example text to build on the card title and make up the bulk of the card's content.	Some quick example text to build on the card title and make up the bulk of the card's content.

Buy It Again

Card title	Card title	Card title	Card title
Some quick example text to build on the card title and make up the bulk of the card's content.	Some quick example text to build on the card title and make up the bulk of the card's content.	Some quick example text to build on the card title and make up the bulk of the card's content.	Some quick example text to build on the card title and make up the bulk of the card's content.

From here one could navigate to the cart, order history, or product info pages. The cart page is pictured below;

Nozama

Search | Log Out | AP

Account Information
Order History
My Cart
Help

My Cart

Sample Product
Qty: 1
Order Date: 01/01/2001
Price: $25.75

Sample Product 2
Qty: 1
Order Date: 01/01/2001
Price: $21.43

Sample Product 3
Qty: 4
Order Date: 01/01/2001
Price: $17.32

Sample Product 4
Qty: 1
Order Date: 01/01/2001
Price: $151.25

These snapshots might also be adjusted to contain the ratings, and the overall perspective might end up having the cart cost total at the bottom right. The order history page is pictured below.

Nozama

Search

AP

Order History
My Cart
Help

My Orders

Order #134838392

Sample Product
Qty: 1
Order Date: 01/01/2001
Staus: Not Shipped

Order #134832359

Sample Product 2
Qty: 1
Order Date: 01/01/2001
Staus: Shipped

Sample Product 3
Qty: 4
Order Date: 01/01/2001
Staus: Shipped

Sample Product 4
Qty: 1
Order Date: 11/01/2000
Staus: Delivered

Review

My Cart

Orders are organized by order number in this, we may also add some kind of search order history functionality to this site. From any one of the last three pages, we can select any one product to see their detailed information

Nozama

Search

Log Out

AP

Account Information
Order History
My Cart
Help

Sample Product 1

Price: $ 20.55 + Shipping and Handling

Description:

Lorem ipsum dolor queret mores lamen. Forus tentar bendon mestro kalium. Forges trenden can bor ten omlopp trevas.

User123:   ★ ★ ★ ☆ ☆   👍 👎

01/01/2001 12:37

Lorem ipsum dolor queret mores lamen. Forus tentar bendon mestro kalium. Forges trenden can bor ten omlopp trevas.

Areal Person (you):   ★ ★ ★ ★ ☆   👍 👎

01/01/2001 12:37

Lorem ipsum dolor queret mores lamen. Forus tentar bendon mestro kalium. Forges trenden can bor ten omlopp trevas.

Edit Review

LOAD MORE REVIEWS

From here they can either submit or edit an existing review

Nozama

Search

Log Out   AP

Account Information
Order History
My Cart
Help

Submit a Review

Rating: ☆ ☆ ☆ ☆ ☆

Comments:

Sample Product 1

Price: $ 20.55 + Shipping and Handling

Description:

Lorem ipsum dolor queret mores lamen. Forus tentar bendon mestro kalium. Forges trenden can bor ten omlopp trevas.

Nozama

Search

Log Out   AP

Account Information
Order History
My Cart
Help

Edit Review

Rating: ★ ★ ★ ★ ☆

Comments:

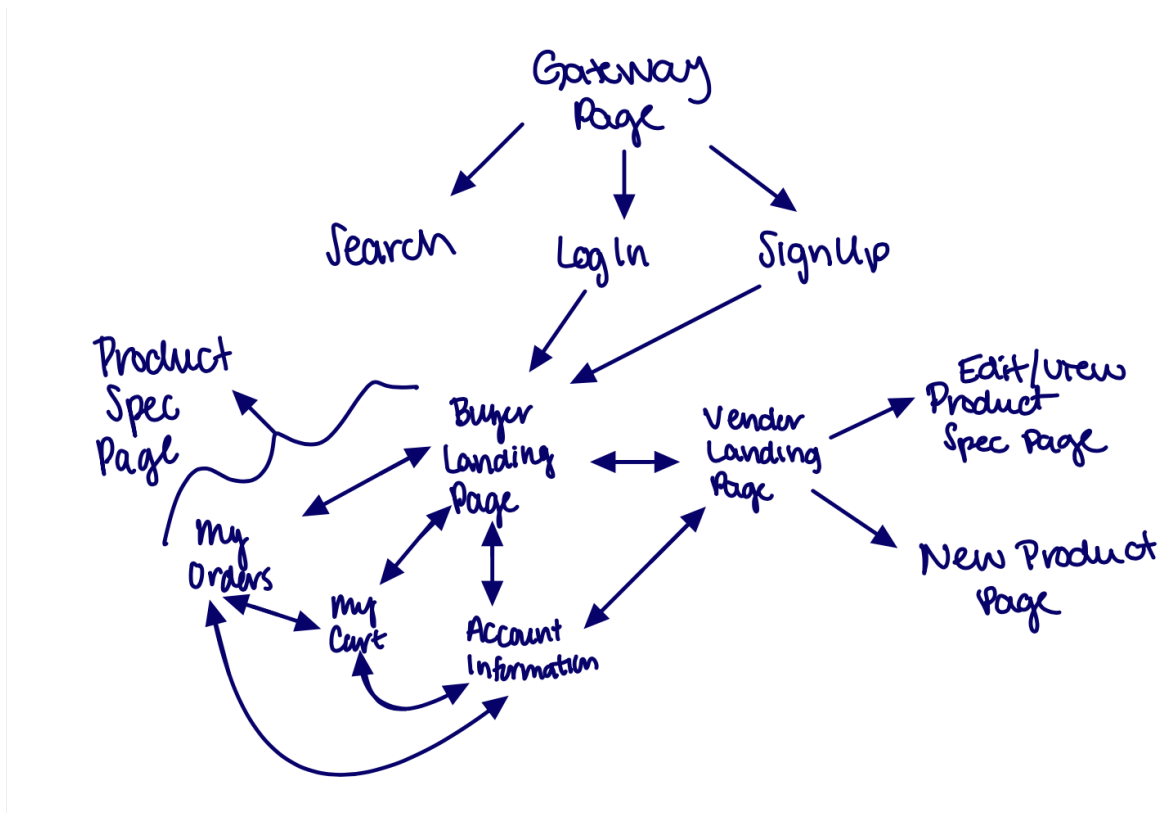Lorem ipsum dolor queret mores lamen. Forus tentar bendon mestro kalium. Forges trenden can bor ten omlopp trevas.

Sample Product 1

Price: $ 20.55 + Shipping and Handling

Description:

Lorem ipsum dolor queret mores lamen. Forus tentar bendon mestro kalium. Forges trenden can bor ten omlopp trevas.

Finally, below is pictured a simplified site flow;

And finally a detailed flow (zoomable)