

REQUIREMENT ANALYSIS & USABILITY REPORT

The Group:

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The Client:

Mr. Usman (CEO, Toy Shoy)

Phase 3: Requirement Analysis

Functional and Non-Functional Requirements:

Functional:

1. Functional requirement is to create a website which is mobile responsive.
2. Another is to create a very easy user-friendly website which is easy to use and navigate
3. It is important to make sure the users get to checkout page with minimum steps.
4. It is also important to make sure the website is not over crowded and has relevant content.
5. The website should have an interactive call out button which can add products into the cart.
6. The website will have a search bar by which user can easily search products.
7. The website should also have a complete checkout page with a form which requires users to fill in all necessary details to process the order.
8. The website must have a payment option by which user can process through.
9. The website should have an email subscription option so marketing team can send offers and newsletters.
10. The website should have social media integration like Facebook Pixels and Google Analytics to easily share the products on social media platforms.
11. The website should have a live chatting system by which a user can easily get help from.

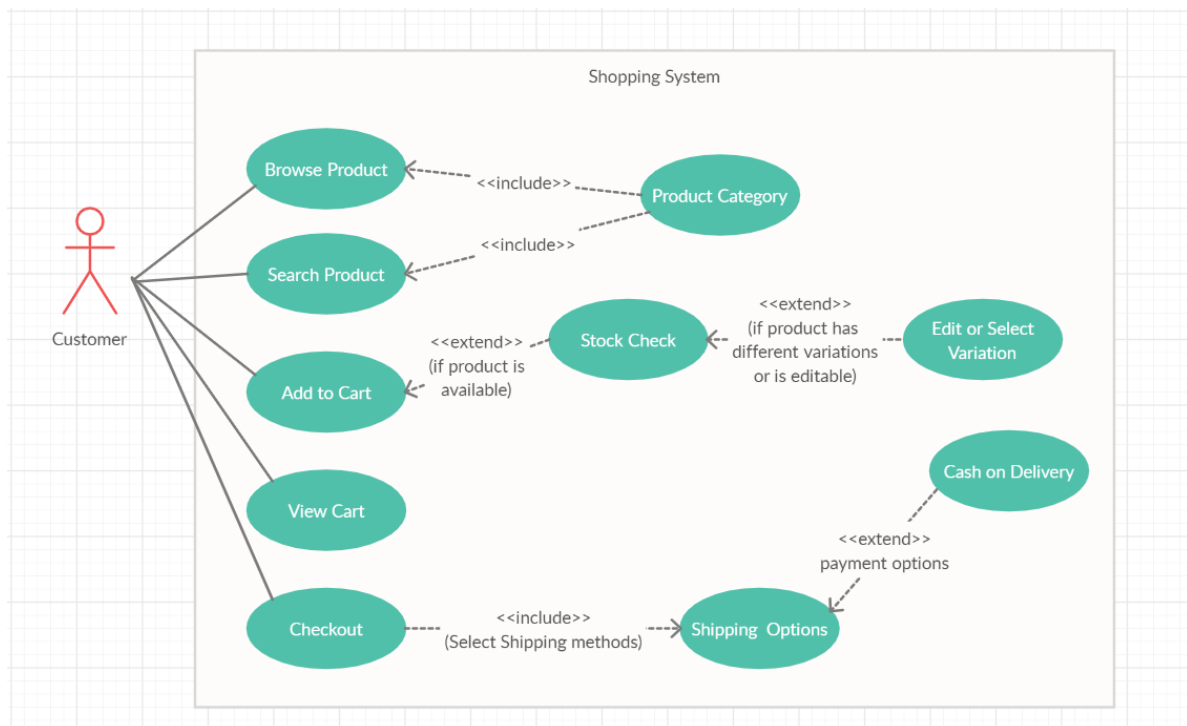
Non-Functional:

1. The security of the website should be up to the global standards to provide customer a secure environment to put their data.
2. Privacy and policy of the website should be maintained according to the global GDPR policy.

3. The performance and speed test of the website should be monitored under high traffic.
4. The website should be SEO friendly to make sure its easily searchable on search engine.
5. The website should be well coded and use the latest technologies to avoid any user threats and provide seamless user experience.
6. The website is extensible to later on the website can be easily upgraded.
7. A specific time of junk data should be set, to make avoid storage issue.
8. The website should be tested under different circumstances and different browsers.
9. Making sure the system is compatible with other leading 3rd party applications available in the market.

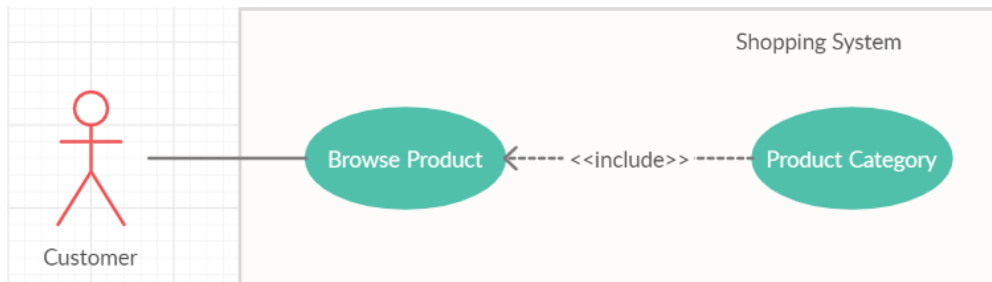
Complete use case diagram and use cases with narratives:

Main Use Case Diagram:



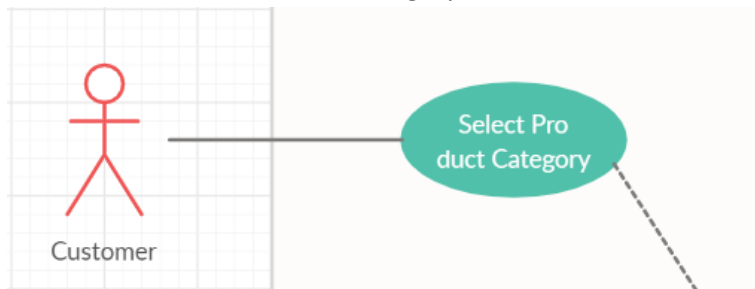
Sub Use-Case Narratives:

1.1 Customer Browse Products



Use case Name:	User to browser products	
ID:		
Actors involved:	Customer	
Brief Description:	Customer selects a product	
Pre-Conditions:		
Post-Conditions:		
Normal flow of Events:	Actor Action	System Response
	Customer opens a website and selects a product from homepage or chooses from product's category.	Displays homepage with products and specifications.

1.2 Customer Select Product Category



Use case Name:	User to select product category	
ID:		
Actors involved:	Customer	
Brief Description:	Customer selects product category to choose a product he wants	
Pre-Conditions:		
Post-Conditions:		
Normal flow of Events:	Actor Action	System Response
	Customer selects a product category of the product he wants	Displays the product page of that specific category.

1.3 Customer Search Products



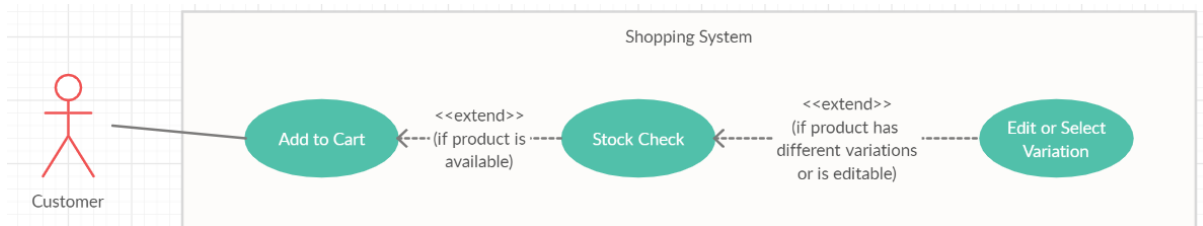
Use case Name:	User to Search products	
ID:		
Actors involved:	Customer	
Brief Description:	Customer search a product	
Pre-Conditions:		
Post-Conditions:		
Normal flow of Events:	Actor Action	System Response
	Customer opens a website and searches a product from homepage or chooses from product's category.	Customer directs to that specific page having a product or displays a error in case of wrong search.

1.4 Customer add to cart Product



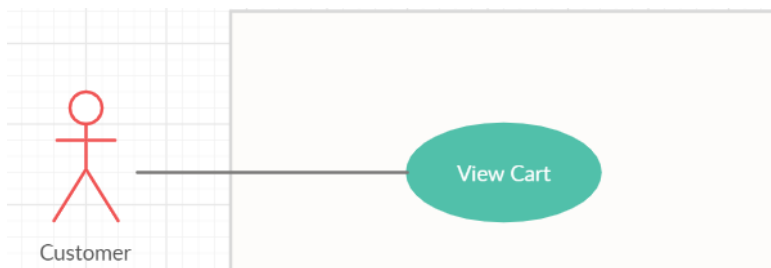
Use case Name:	User add product into the cart	
ID:		
Actors involved:	Customer	
Brief Description:	Customer selects and adds product(s) into the cart.	
Pre-Conditions:	The product must be available in the stock, and user must select product variation or edit if available.	
Post-Conditions:		
Normal flow of Events:	Actor Action	System Response
	Customer clicks add to cart button in the specification of that specific product.	Display a cart icon on the page showing number of products that are selected and by clicking the cart icon, user direct to the card page.

1.5 Customer Edit Product or Select Variation



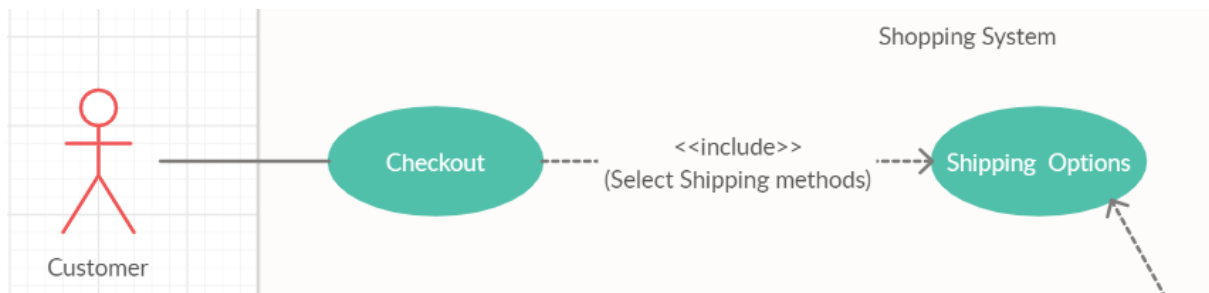
Use case Name:	User edit or select variation of product	
ID:		
Actors involved:	Customer	
Brief Description:	Customer selects and adds product(s) into the cart.	
Pre-Conditions:	The product should be available to edit or the product must have more than one variation to choose from.	
Post-Conditions:		
Normal flow of Events:	Actor Action	System Response
	Customer clicks edit product button or choose a variation from drop down menu	Lets the user select predefined variations of the products or let the user edit the products online.

1.6 Customer view cart



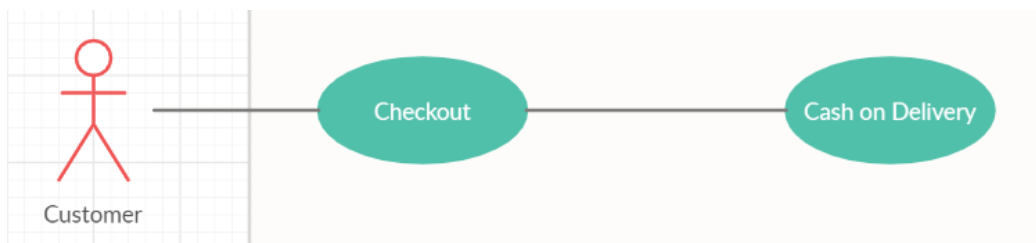
Use case Name:	User to View Cart	
ID:		
Actors involved:	Customer	
Brief Description:	Customer views the cart to check the selected products	
Pre-Conditions:		
Post-Conditions:		
Normal flow of Events:	Actor Action	System Response
	Selects the cart icon to check the selected products.	Directs user to the cart page and displays the selected products.

1.7 Customer to Choose Shipping Option



Use case Name:	User to select Shipping Options	
ID:		
Actors involved:	Customer	
Brief Description:	Customer selects a Cash on delivery as a payment method	
Pre-Conditions:		
Post-Conditions:		
Normal flow of Events:	Actor Action	System Response
	Customer selects the shipping option available for his city.	Displays the list of shipping options available.

1.8 Customer to Choose Payment Option



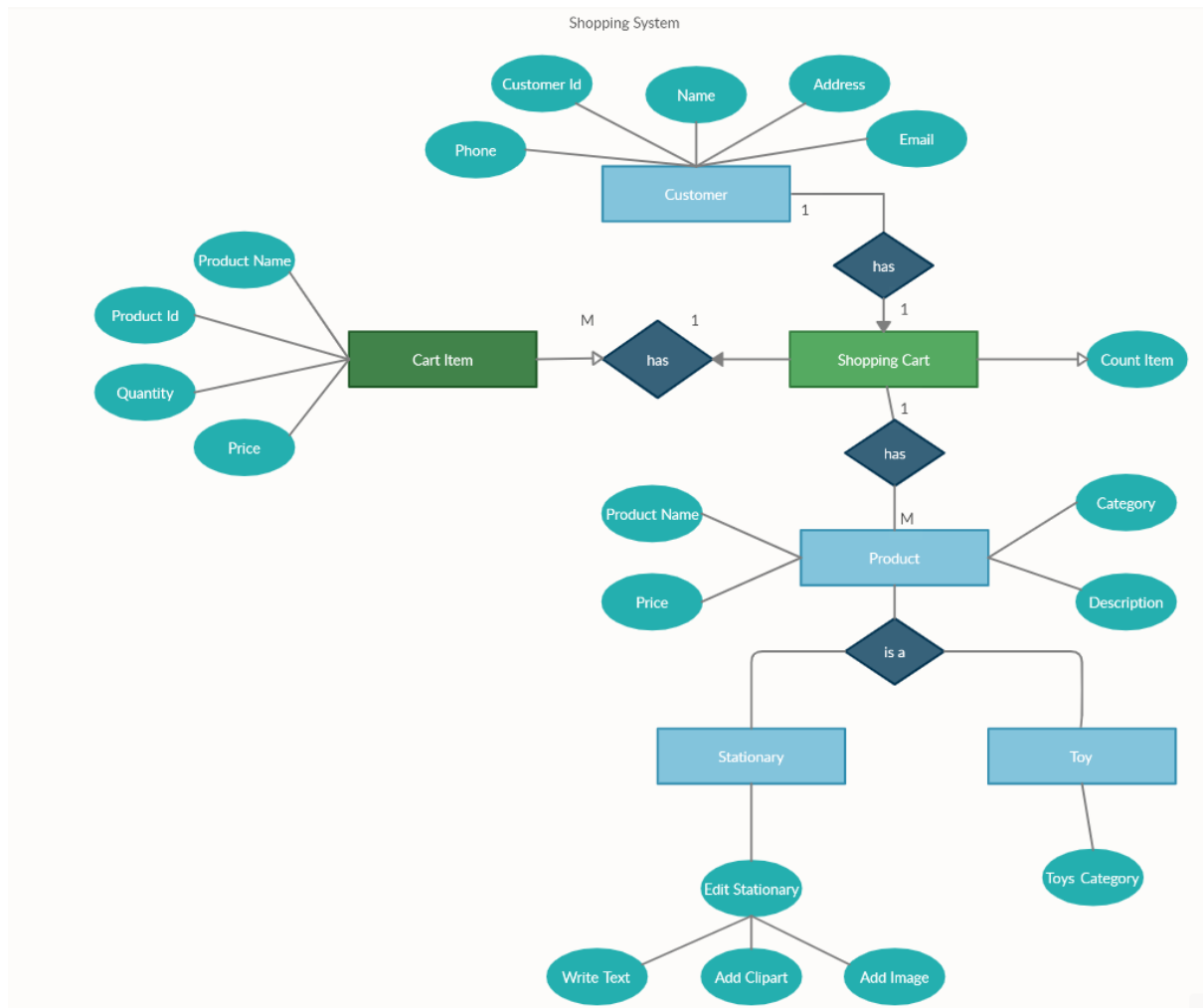
Use case Name:	User to select COD method	
ID:		
Actors involved:	Customer	
Brief Description:	Customer selects a Cash on delivery as a payment method	
Pre-Conditions:		
Post-Conditions:		
Normal flow of Events:	Actor Action	System Response
	Customer selects Cash on delivery as a payment method and adds address details.	Displays the details entered by the user.

1.9 Customer to Checkout



Use case Name:	User to checkout	
ID:		
Actors involved:	Customer	
Brief Description:	Customer fills final details of the product and orders it by selecting checkout button.	
Pre-Conditions:		
Post-Conditions:		
Normal flow of Events:	Actor Action	System Response
	Customer enters all the details related to the product and select checkout to order.	Displays a page with entered details and checkout with the order.

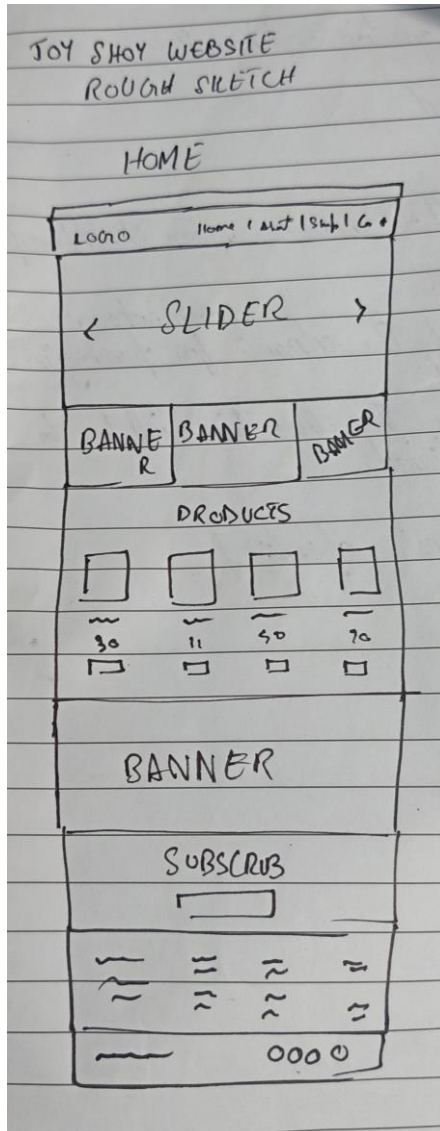
ERD/Data Flow Diagram:



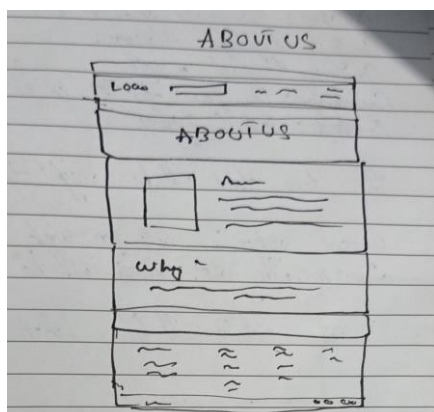
Phase 4 (Usability Report):

Paper Prototype of User Interface:

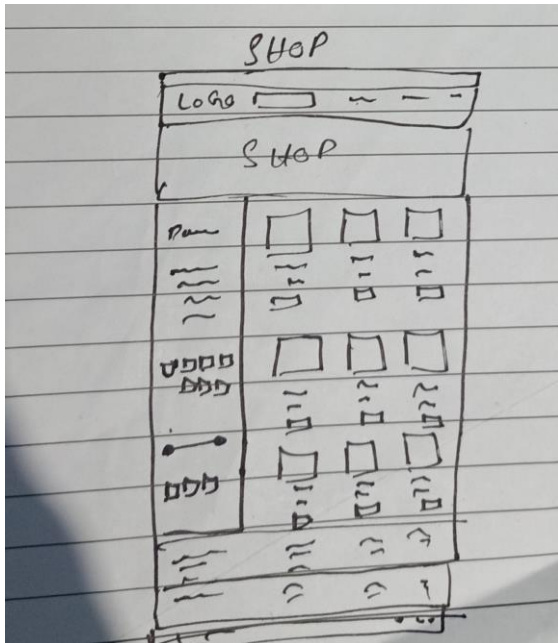
Home Page:



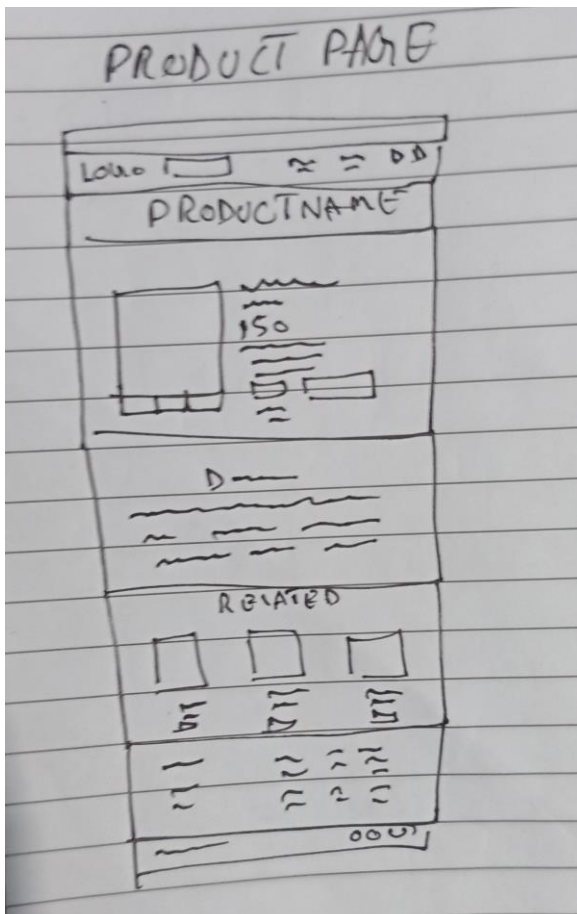
About Us Page:



Shop Page:



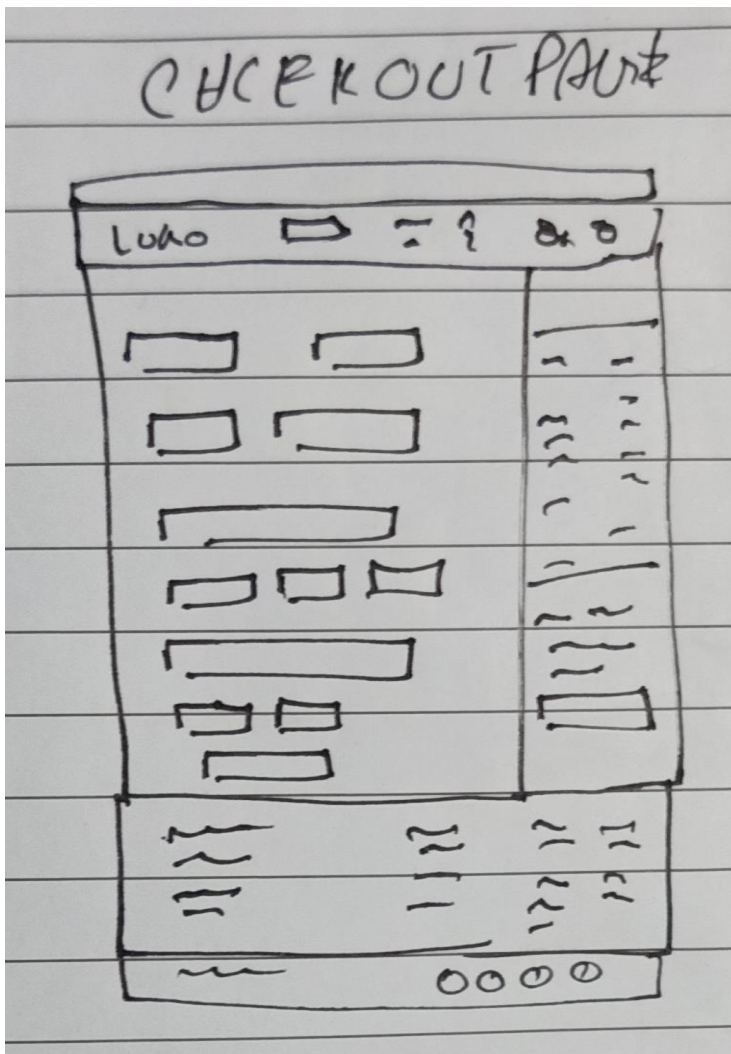
Product page:



Cart Page:

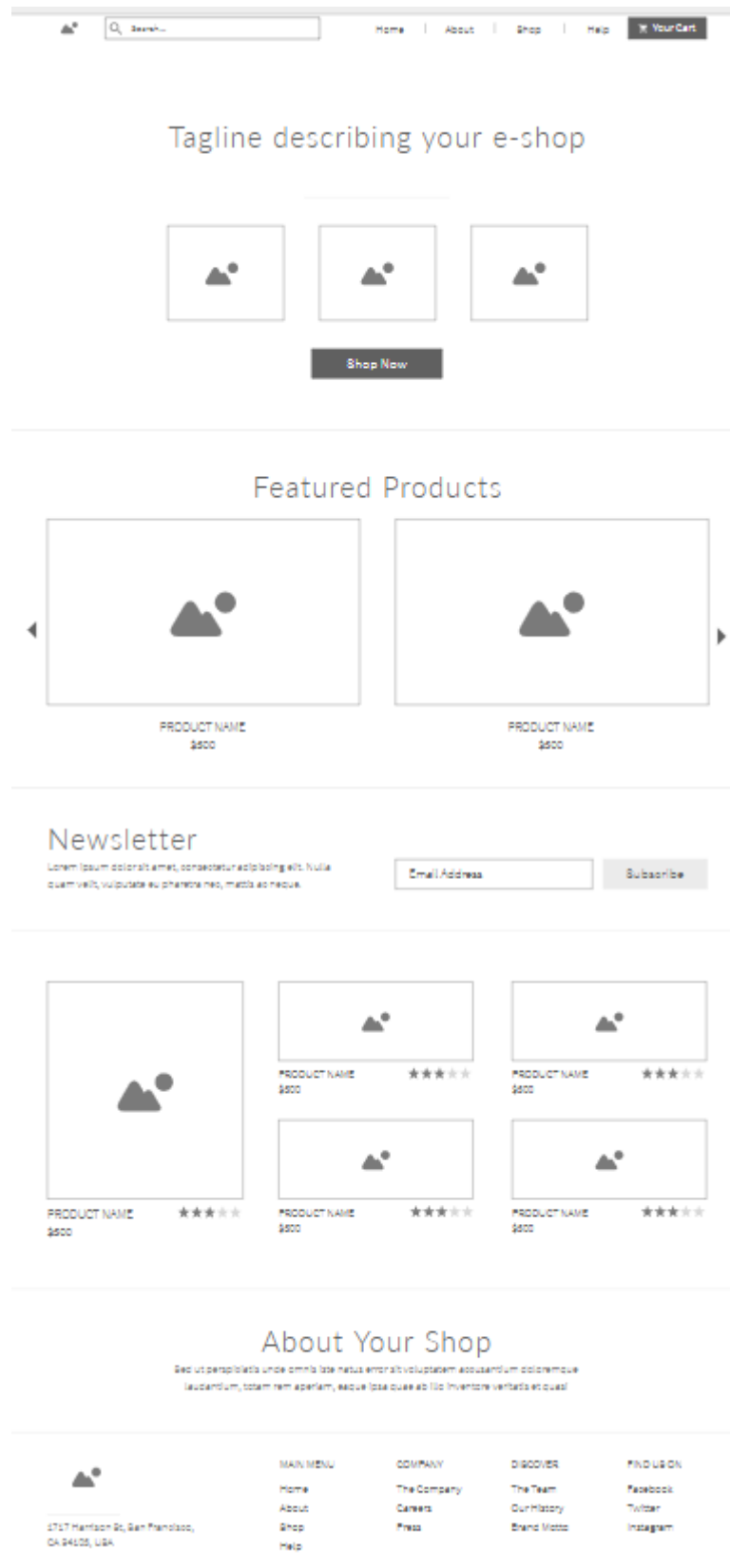


Checkout Form:

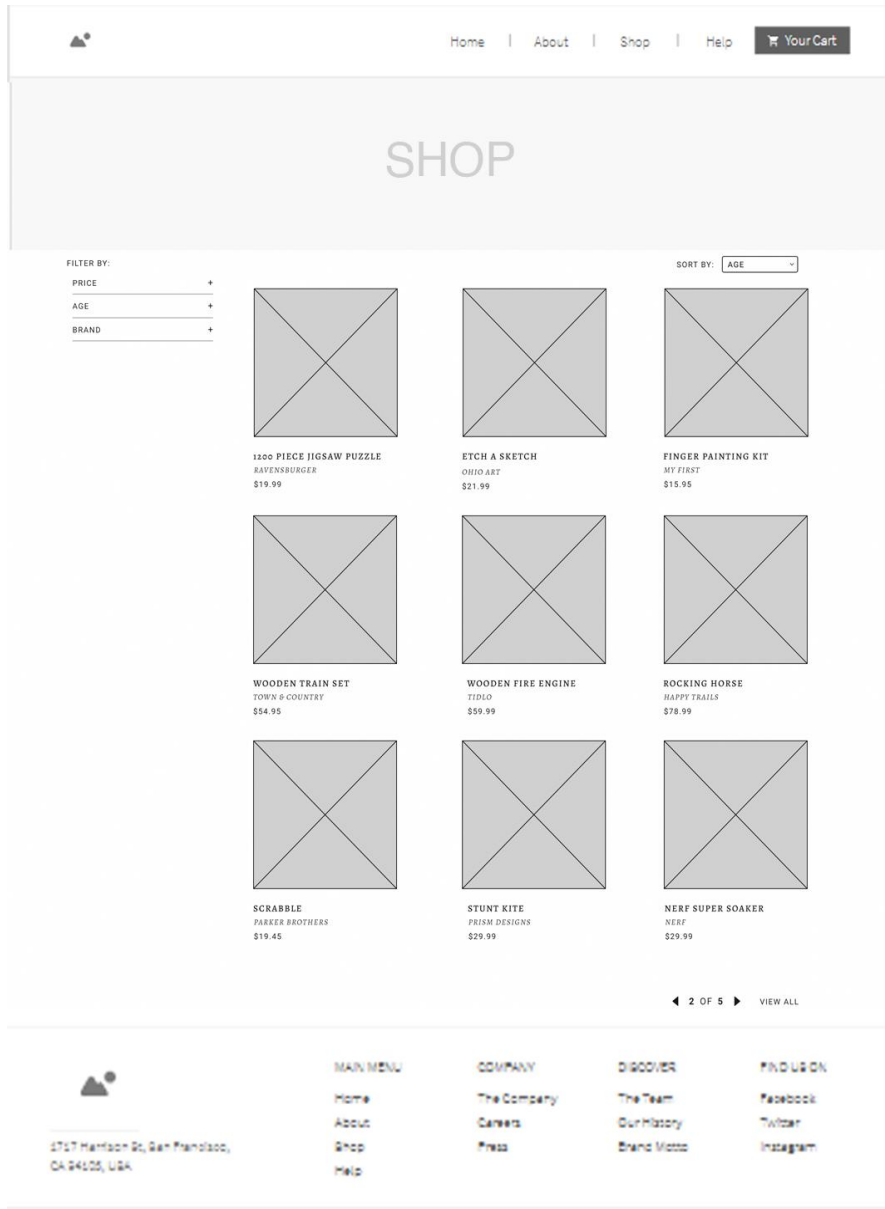


Website Wireframe:

Home Page:



Shop Page:



Single Product Page:

Home | About | Shop | Help

Your Cart

Product title

★★★★☆ 5 reviews

\$ 1232

Select Model

>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in

Add To Cart

Similar Products

PRODUCT NAME
★★★★★
\$300

PRODUCT NAME
★★★★★
\$300

PRODUCT NAME
★★★★★
\$300

Reviews

JOHN DOE

august 14, 2018

★★★★★

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JOHN DOE

august 14, 2018

★★★★★

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Home | About | Shop | Help

Cart Page:

Home | About | Shop | Help

Your Cart

1. Shopping Cart

2. Shipping Details

3. Payment Options

Shopping Cart

PRODUCT NAME
Lorem ipsum dolor sit amet, consectetur
\$300

1 pcs

PRODUCT NAME
Sed do eiusmod tempor incididunt ut labore et
\$300

1 pcs

Summary

ENTER COUPON CODE

SUBTOTAL

\$800

SHIPPING

FREE

TAXES

\$13


TOTAL

\$613

Next

Cancel

Checkout Page:


 [Home](#) | [About](#) | [Shop](#) | [Help](#) [Your Cart](#)

1. Shopping Cart

2. Shipping Details

3. Payment Options

Shipping Details




☒ Free Shipping
Between 2 - 5 working days

☐ Next Day Delivery - \$20
24 hours from checkout


Next

Cancel


Summary



PRODUCT NAME
\$300



PRODUCT NAME
\$300

HAVE A VOUCHER?

SUBTOTAL	\$800
SHIPPING	FREE
TAXES	\$13
TOTAL	\$613