

## Table of Contents

<b>Executive summary</b> .....	2
<b>Company and Product summary</b> .....	2
Company and user goal: .....	2
Product goal: .....	2
<b>Product &amp; Features</b> .....	3
URL of the deployed version of the app .....	5
<b>UX/UI</b> .....	6
<b>Strategy</b> .....	6
Users .....	6
User need and pain point.....	6
<b>Structure</b> .....	7
Site map .....	8
<b>Wireframe</b> .....	9
<b>Surface Plane</b> .....	13
Responsiveness .....	13
Colours .....	13
Typography .....	14
Layout.....	15
<b>Technologies Used</b> .....	15
<b>Logical schema</b> .....	16
<b>Software Application Development</b> .....	17
User Story, Test Case and Acceptance Criteria.....	17
<b>Testing</b> .....	19
<b>Known bugs</b> .....	19
<b>Future development features</b> .....	20
<b>References</b> .....	21

## Executive summary

### Company and Product summary

Luxury Pre-owned is a resale luxury eCommerce stores that sell top edged consumer products and allow consignment of luxury consumer products through platform, promote sustainable luxury through circular fashion (shop, sell and repeat) and help reduce waste in fashion industry.

Company and user goal:

Key stakeholders		Goals
Company:	Owner	<ul style="list-style-type: none"><li>• Operate eCommerce store, consign-sell luxury products, made most process happen online and automated as much as possible.</li><li>• Promote circular fashion through shop, sell, repeat</li><li>• Provide channels for consumer to purchase trusted, reliable source of authentic luxury products.</li><li>• Provide channels to accommodate seller who want to sell their luxury products.</li><li>• Channels to gather feedback data and collect user transaction data for future business expansion</li></ul>
	Admin	<ul style="list-style-type: none"><li>• To management and perform order processing</li><li>• To manage product listing and recording</li></ul>
Customers	Buyer	<ul style="list-style-type: none"><li>• To buy authentic resale luxury products online at convenience.</li><li>• Needed trusted and reliable since there are many counterfeit products out there. To reduce a risk of buying unauthentic items.</li><li>• Need transparency and reasonable price as per market trend.</li><li>• Purchase a rare, limited edition and vintage items that hard to come by and easily available in the market.</li></ul>
	Seller (consignment)	<ul style="list-style-type: none"><li>• Looking for trusted site/brand to sell or consign their authentic luxury products.</li><li>• Want to finance new luxury purchases and empty the wardrobe</li><li>• To get ride of items that are no longer in trendy anymore</li></ul>

Product goal:

Provide secured platform for consumer to purchase and sell their authentic luxury consumer products, made the process transparent and visible to them. Ability to view their order transactions, history and as well as manage their account.

## Product & Features

Features	Benefits to Company and Users	
	Users	Company
<b>Listing</b>	<ul style="list-style-type: none"> <li>▪ List of all products on the first page of the site application               <ul style="list-style-type: none"> <li>○ Display the image with function to hover image changes, provide quick views and idea how it looks like when using the products</li> <li>○ Name if the brand or designer display</li> <li>○ Details of the products</li> <li>○ Price</li> <li>○ Estimate retail price</li> </ul> </li> <li>▪ Ability to click on any area of the product to view more details about that respective product</li> <li>▪ Login is not required makes it easy for customers who just new to the page and has yet to have account to explore the product and the site around</li> </ul>	<ul style="list-style-type: none"> <li>▪ Provide a complete features of eCommerce store to display products, with its details to allow customer to make to purchase decision, shopping cart and secured payment process via the platform. The sales transactions can happen without human interaction and customer self-service.</li> <li>▪ Indication and assuring of product authenticity being authenticated by the company, giving the customer peace of mind that they are buying an authentic product. Answer their pain point of buying authentic products online.</li> <li>▪ Ability to attract any customers who are viewing the products and are having the same product to consign their product through the platform.</li> </ul>
<b>Product details</b>	<ul style="list-style-type: none"> <li>▪ Details of the products</li> <li>▪ Ability to add to cart and to perform quick checkout to complete the payment</li> <li>▪ Collapse and expandable of the product information such as description, specification, condition and etc</li> <li>▪ Option to sell the same product if customer who are viewing the page is having the similar products.</li> <li>▪ Indication of the product being authenticated and the return/refund are allowed.</li> <li>▪ Login is not required makes it easy for customers who just new to the page and has yet to have account to explore the product and the site around</li> </ul>	<ul style="list-style-type: none"> <li>▪ UX/UI design in such a way that within 3 click, customers are able to complete the checkout and payment process. With this allow sales to happen quicker than needed to navigate more click to complete the transactions.</li> <li>▪ No login required for listing page, product page, and even add to cart. This allows customers who just want to browse around or new to the site to view the products and add some of them into shopping cart to comeback later for actual purchase. It helps increase UX and user stickiness which will lead to account creation later when customers want to actually purchase it.</li> </ul>
<b>Shopping cart</b>	<ul style="list-style-type: none"> <li>▪ Accumulated the items that intended to purchase</li> <li>▪ It provides the quick summary details of the product (brand/designer name, product type, price, condition, quantity)</li> <li>▪ Ability to add more quantity or reduce and remove the item from shopping cart.</li> </ul>	

	<ul style="list-style-type: none"> <li>▪ It provides to total order summary, total number of items, shipping fee if any</li> <li>▪ An option to perform checkout to complete the payment</li> <li>▪ Login is not required makes it easy for customers who just new to the page and has yet to have account to explore the product or the site and added items to shopping cart to comeback later for actual purchase. They only required to login when they want to perform checkout on the items in shopping cart.</li> </ul>	
<b>Consignment page</b>	<ul style="list-style-type: none"> <li>▪ Provide information of how to consign the product with the platform</li> <li>▪ Consignment rates are provided in the collapse table, easy to navigation and collapse when no longer needed.</li> <li>▪ Easy steps to consign with the platform and that's being summaries in carousel of the page.</li> <li>▪ Product consignment form or request for appointment to check products to consign are available on the page, with easily collapse or expand as wish.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Make consignment easy for customer who wish to sell their products online and ensure that their luxury items are being taken care of.</li> <li>▪ The more consignment received via platform, the more product listing the company will have.</li> <li>▪ More consignment means more business transactions to the company from consignment rate</li> <li>▪ More listing means more sales to company which return increasing in revenue.</li> </ul>
<b>Search and filtering</b>  <b>Filtering section for limited edition items, vintage items and others</b>	<ul style="list-style-type: none"> <li>▪ Ability to perform search on the product listing by any key words. The system will match those key words to existing products in database across all categories, designers and brand</li> <li>▪ Quick filtering by selecting the pre-defined filtering provided by platform (e.g. by categories, by designer, new arrival, limited edition, vintage).</li> <li>▪ Make filtering or search to desired information with specific product easier for customers.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Provide better UX/UI of the products.</li> <li>▪ With easy navigation, quick to filter to get the specific information, makes decision easier for customers and in return, in crease sales transaction to company</li> </ul>
<b>Feedback form</b>	<ul style="list-style-type: none"> <li>▪ Customers can send feedback to the site owner on whatever suggestion or new request they might have or wish to improve the usability.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Ability to collect more data through feedback and suggestion (this includes the data of customers deciding to delete the account) for any future improvement to any features or new business idea.</li> </ul>
<b>Account and order management</b>	<ul style="list-style-type: none"> <li>▪ Users who have transactions and account with the site, can view their profile via platform</li> </ul>	<ul style="list-style-type: none"> <li>▪ Allow customers to self-manage their profile, help reduce the work to admin staff.</li> </ul>

	<ul style="list-style-type: none"> <li>▪ Ability to view orders (both purchase and sell) made they them, with different status, tracking their orders via platform.</li> <li>▪ Ability to manage their own profile (account update, change account details, change password)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Customers can track their orders, view status of their orders (purchase, consignment) without send query to customers service of the site.</li> </ul>
<b>Account and profile creation</b>	<ul style="list-style-type: none"> <li>▪ Super easy for account creation with the platform. Just name, username, email and set password then customers are up to make a purchase on the site.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Easy creation yet secured allow customers to have quick account setup to make a purchase transaction through platform.</li> </ul>
<b>Deletion of the account and the listing</b>	<ul style="list-style-type: none"> <li>▪ Customers can delete their account anytime when they decided not to use the platform for any reason.</li> </ul>	<ul style="list-style-type: none"> <li>▪ The account will be removed from the platform DB, no record of customer will be kept on the platform (old orders will be re-assigned to fake users account for business audit trail purpose)</li> <li>▪ The data provided for the reason to leave the platform will be collected and stored separately for future revision.</li> </ul>

*See attached document for more details on each product features*

URL of the deployed version of the app

Application	URL
Frontend (React framework):	<a href="https://reverent-pasteur-680936.netlify.app/">https://reverent-pasteur-680936.netlify.app/</a>
Admin side (HBS)	<a href="https://annette-p-luxury-preowned-adm.herokuapp.com/">https://annette-p-luxury-preowned-adm.herokuapp.com/</a>
Backend (node.js/Express, mySQL, Postgresql):	<a href="https://annette-p-luxury-preowned-api.herokuapp.com">https://annette-p-luxury-preowned-api.herokuapp.com</a>

## UX/UI

### Strategy

#### Users

Consumer demographic	Characteristic behavioural
Gen Z	<ul style="list-style-type: none"><li>• High interest in collaboration pieces,</li><li>• consider resale value when purchasing,</li><li>• influence by sustainability (in trend but not practically into it),</li><li>• high on social media interaction,</li><li>• shift spending from traditional luxury to premium luxury</li></ul>
Millennials	
Gen X	<ul style="list-style-type: none"><li>• Interest in traditional luxury</li></ul>
True-luxury consumers	Status seeker, fashionista, Rich up-starter, absolute luxurer, social wearer (majority are millennial tribe) <ul style="list-style-type: none"><li>• Seeking extravagance</li><li>• Runway collections</li><li>• New creativity ((new wave luxury value)</li><li>• Very high interest in limited edition and rare items</li></ul>

<b>Customer (buy):</b>	Customers (Gen Z, millennials, Gen X, true-luxury consumers) who buy the authentic luxury products on the platform  individual customers who are looking to buy trusted, authentic resale luxury products online, who need assuring and guarantee the authenticity of the products they purchased.
<b>Customer (consign):</b>	Customers (Gen Z, millennials, Gen X, true-luxury consumers) who are looking to sell their authentic luxury products on the platform  individual customers who are looking for trusted site to sell their authentic items online with less effort, has transparency to trace the status and what's going on with their consignment.
<b>Admin of the site:</b>	The admin (staff) of the site to perform administrative tasks related to orders and consignment managements, product management.

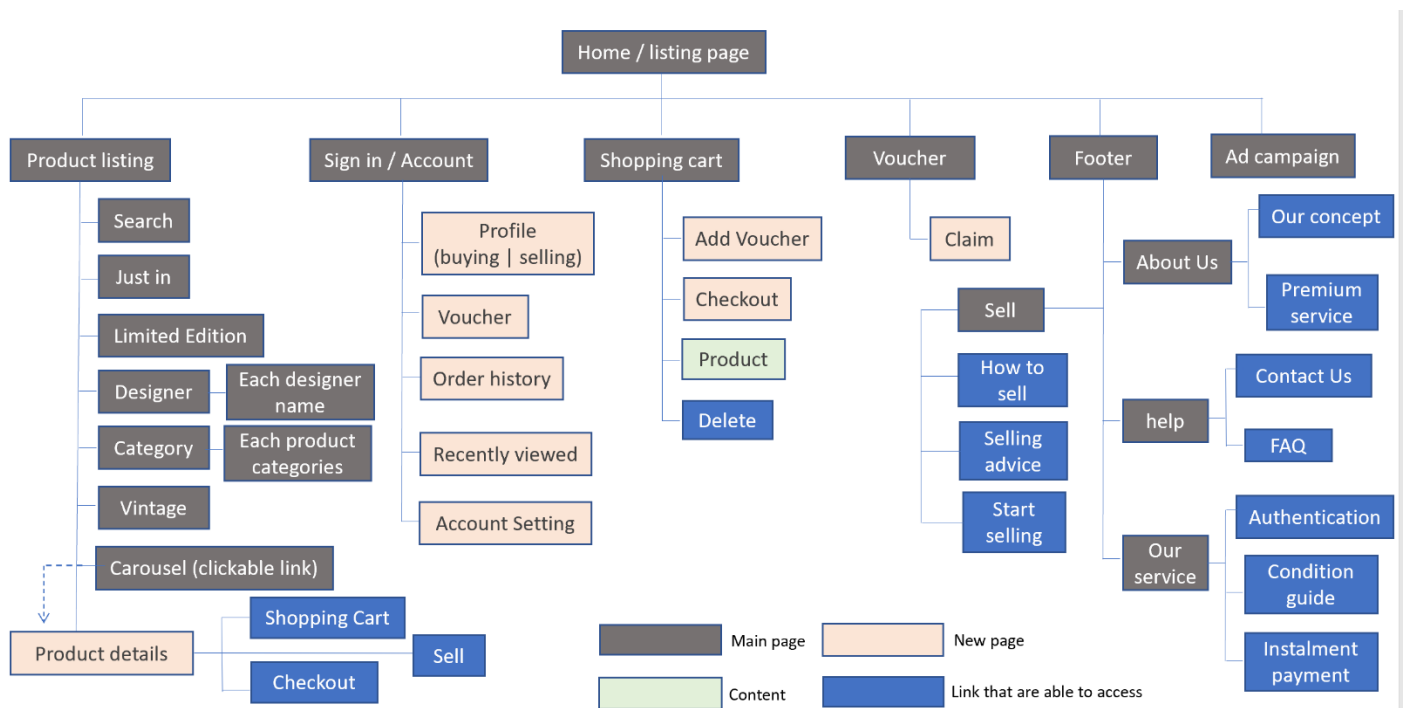
#### User need and pain point

	Needs	Pain Points
<b>Customer (buy):</b>	<ul style="list-style-type: none"><li>○ Looking for vintage, limited edition, rare items that are not easily available on retail.</li><li>○ Looking to purchase on trusted, reliable source of authentic luxury products</li><li>○ Need affordable authentic luxury</li></ul>	<ul style="list-style-type: none"><li>○ Rare items, limited edition or vintage pieces are hard to come by</li><li>○ Unsure of the authenticity of the product purchase (be it online or in store) unless purchase directly from the actual brand store which is the first-hand item.</li></ul>

	<ul style="list-style-type: none"> <li>items</li> <li>○ Transparency on the price, authenticity with guarantee</li> <li>○ Need federated login ties to their social media account as they are super high on social media interaction</li> </ul>	<ul style="list-style-type: none"> <li>○ Need to manage several login accounts for different website instead of just using their social media to login as user authentication</li> </ul>
<b>Customer (sell):</b>	<ul style="list-style-type: none"> <li>○ To sell their authentic luxury items with no effort (to either their wardrobe, financing new luxury items of desired, to recycle or change a new in trend luxury item)</li> <li>○ Need to sell on legitimated and trusted site.</li> <li>○ Transparent process, can track the status an know what's going on with the process.</li> <li>○ Need federated login ties to their social media account as they are super high on social media interaction</li> </ul>	<ul style="list-style-type: none"> <li>○ The selling process are too complicated and no transparency</li> <li>○ Afraid of being switch from the authentic products to counterfeit from the store (untrusted site)</li> <li>○ Need to manage several login accounts for different website instead of just using their social media to login as user authentication</li> </ul>
<b>Admin (staff)</b>	<ul style="list-style-type: none"> <li>○ To manage and perform order (purchase and consignment) processing as flowless as possible</li> <li>○ To manage product and listing on the site</li> </ul>	<ul style="list-style-type: none"> <li>○ Need the order flow correctly with less complication or unnecessary step to perform their task or reducing efficiently in managing orders and products.</li> </ul>

## Structure

## Site map

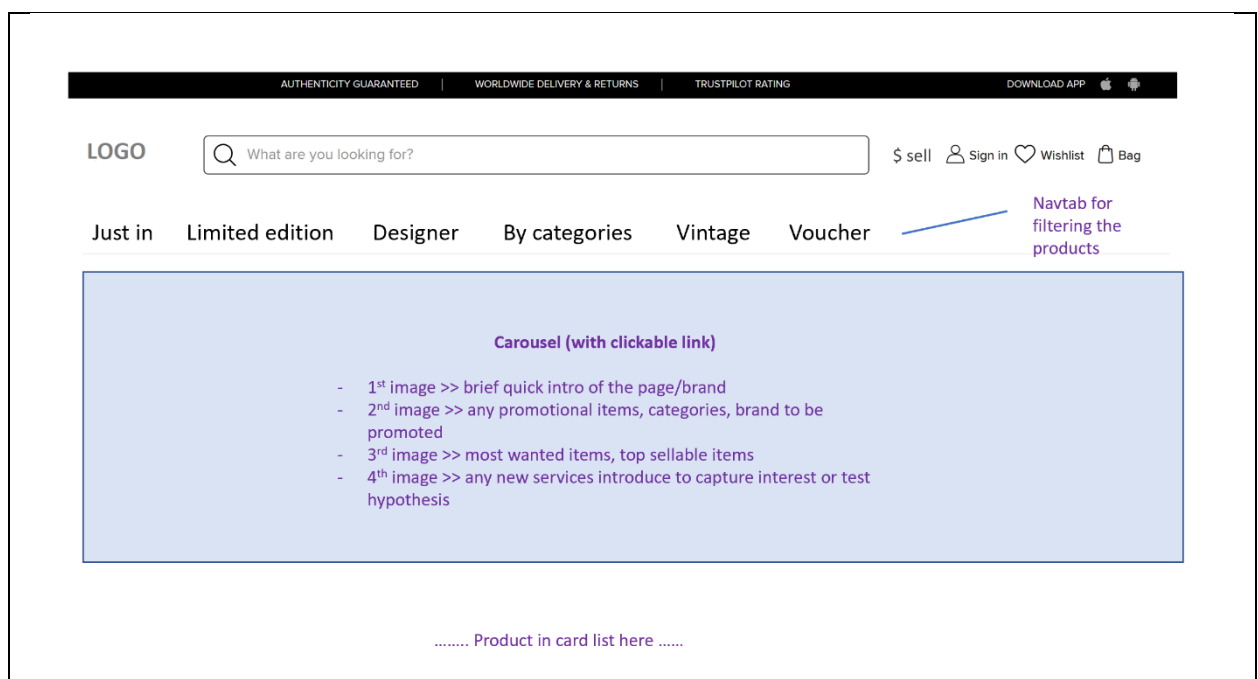
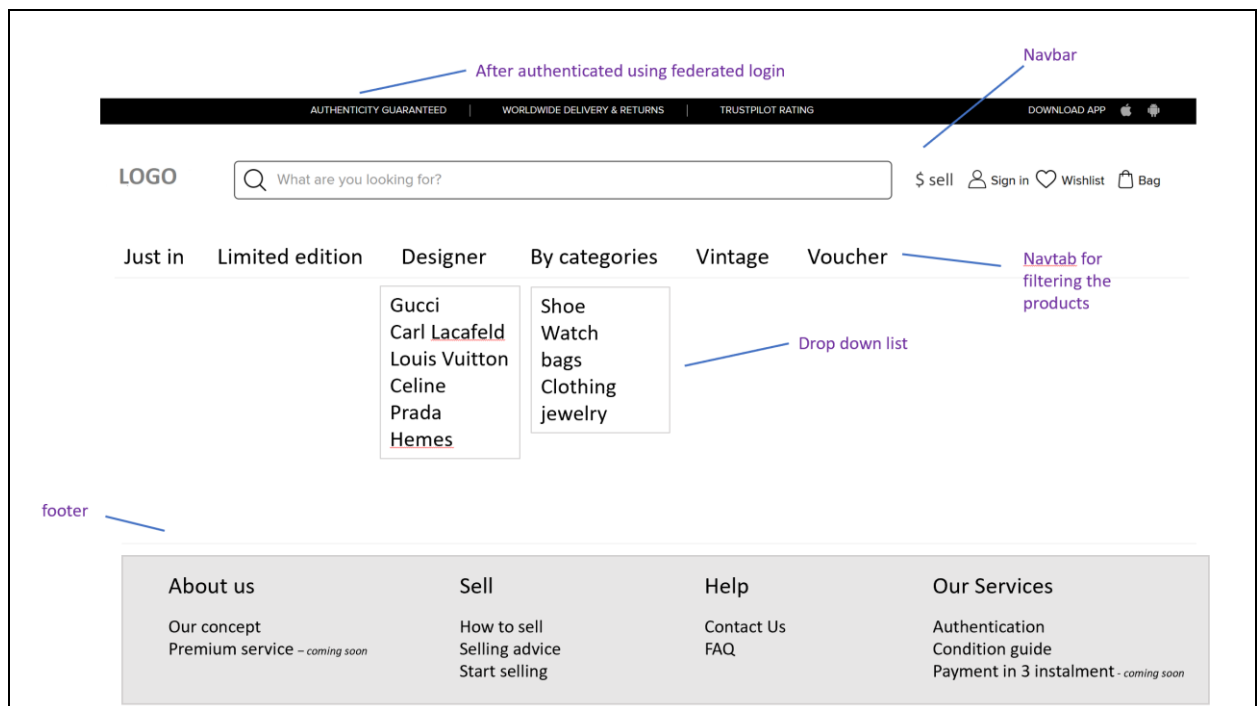


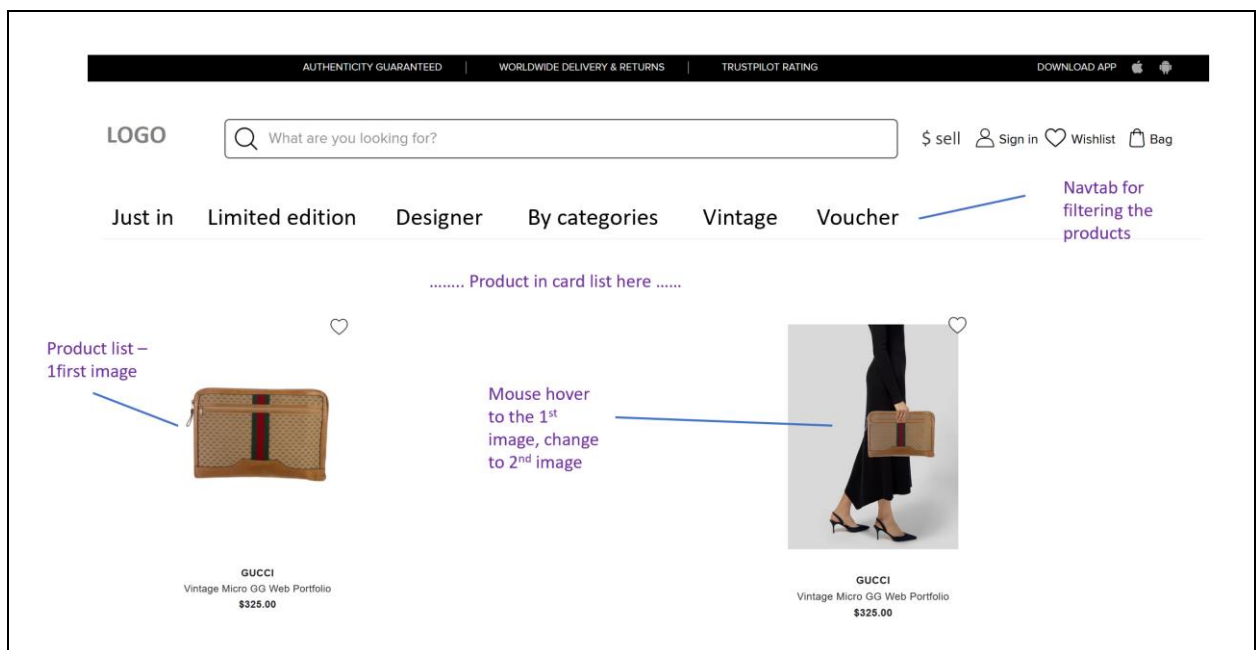
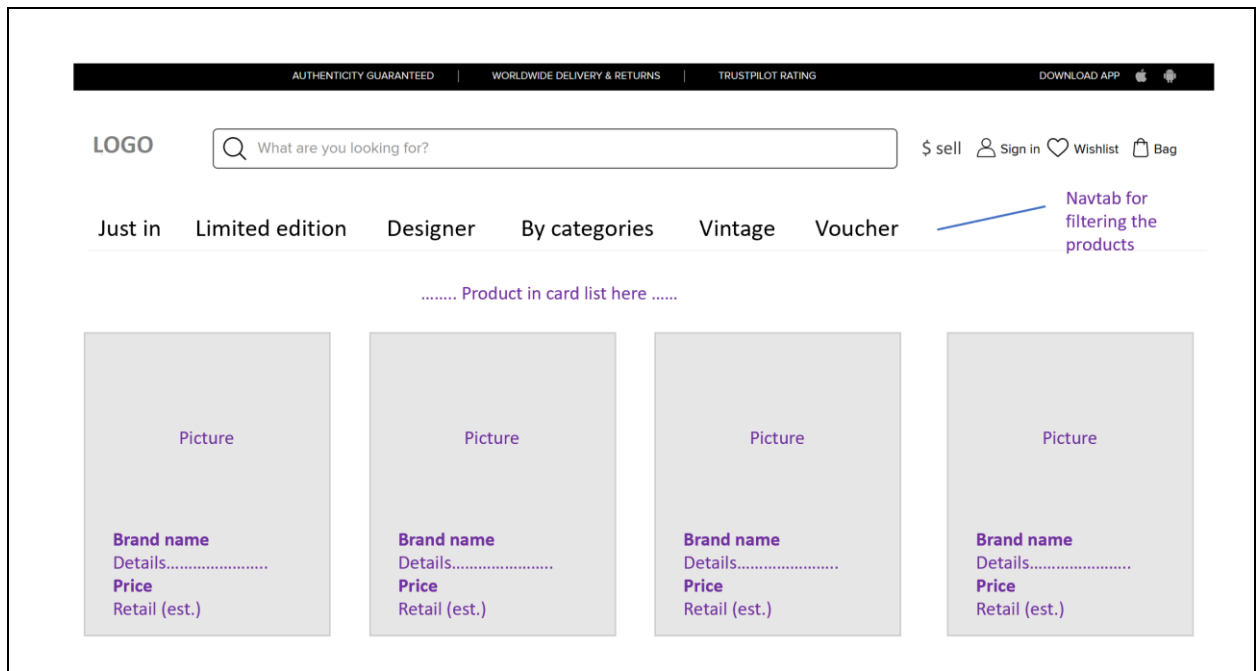
This site has achieved within 3 click checkout experience for user



## Wireframe

Home page / Landing page / Listing page

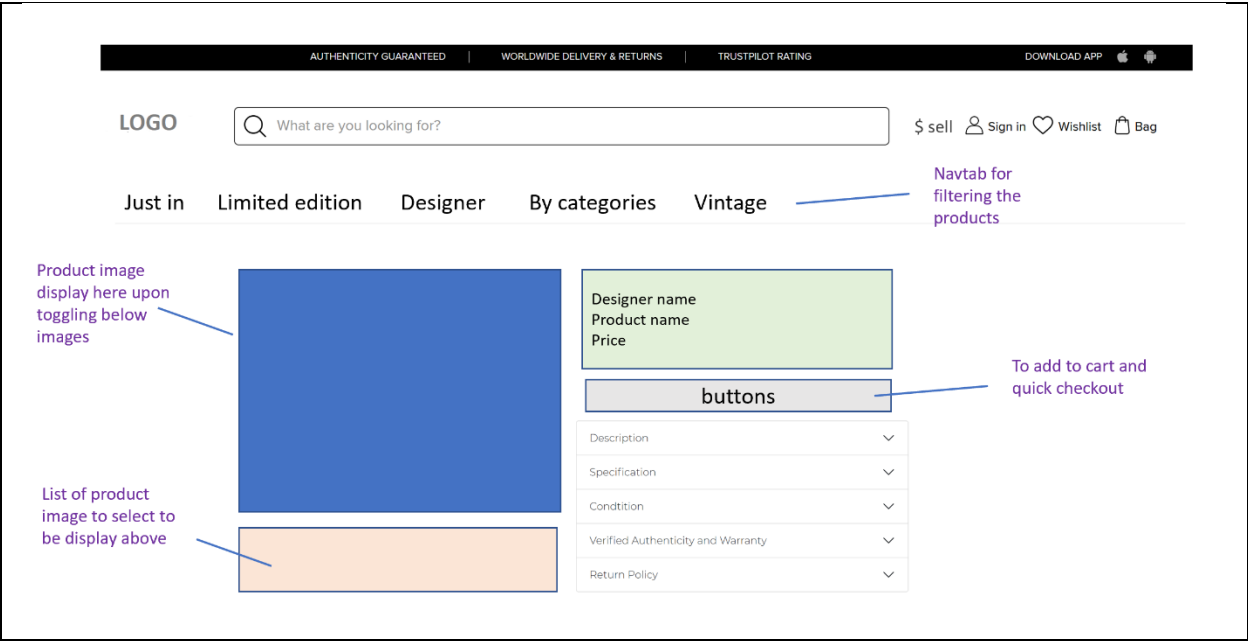
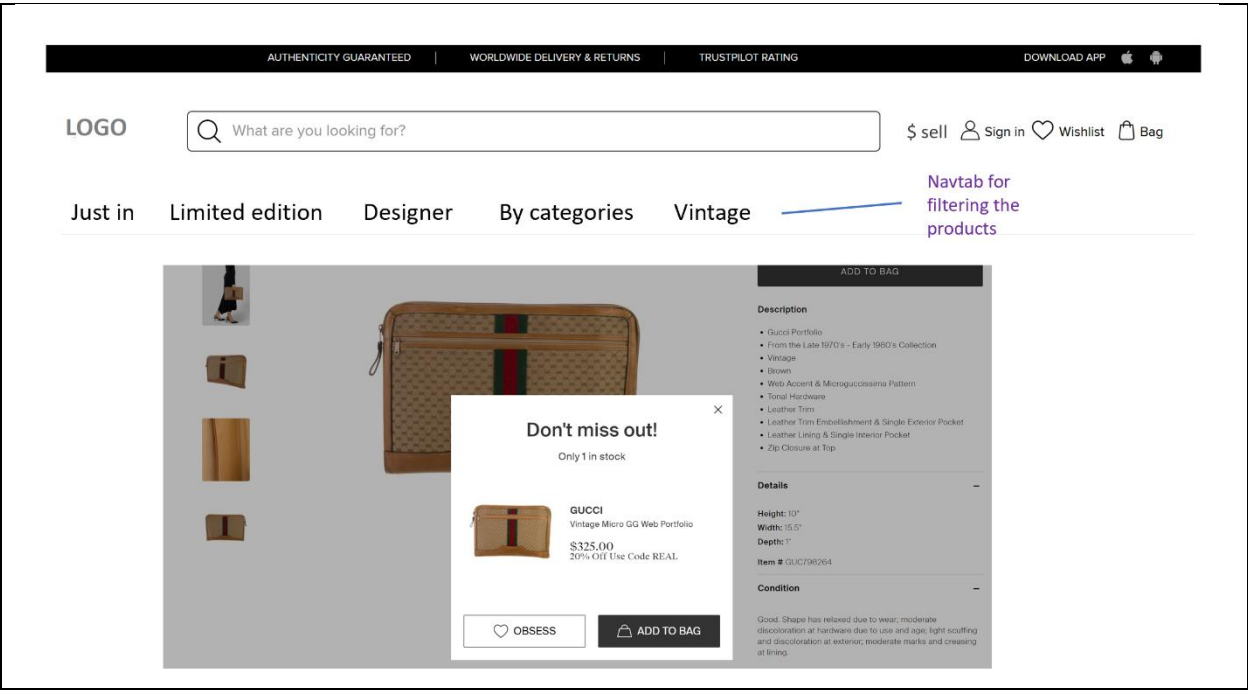




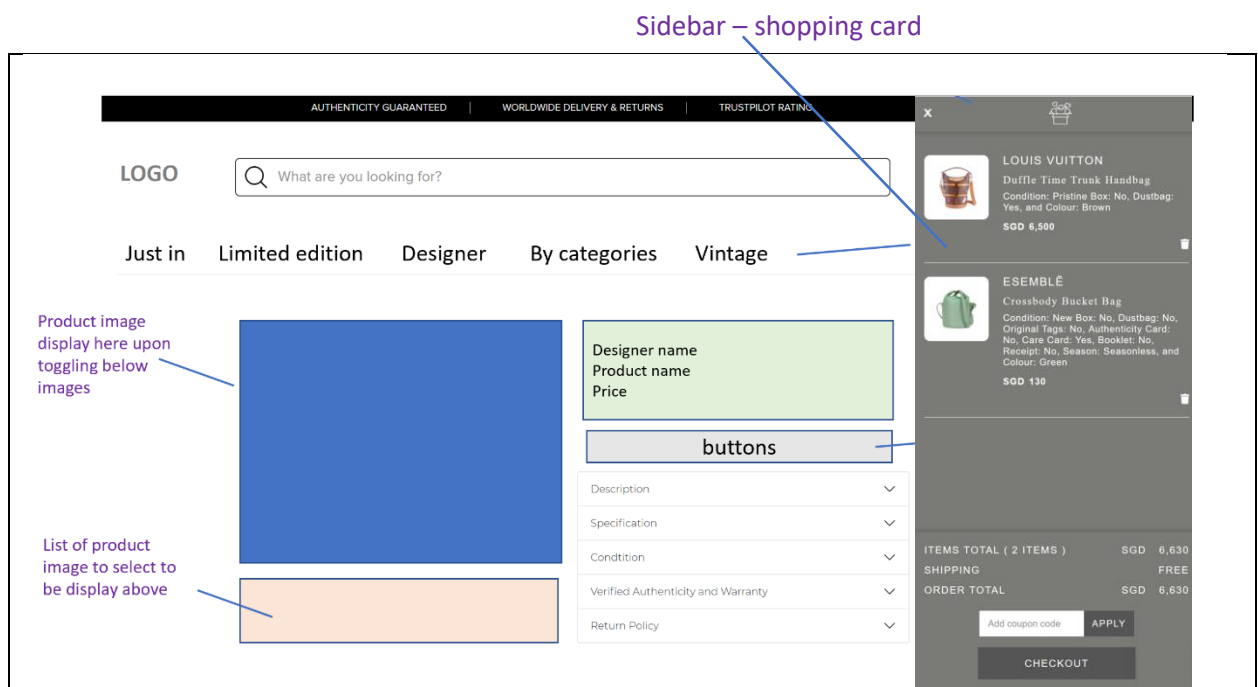
### Image hover on the product card listing:

It is important to have an image show to customer on how it looks when using product. It is important for fashion/luxury product to inspire customer and make them want to purchase when they see how good it looks on the model.

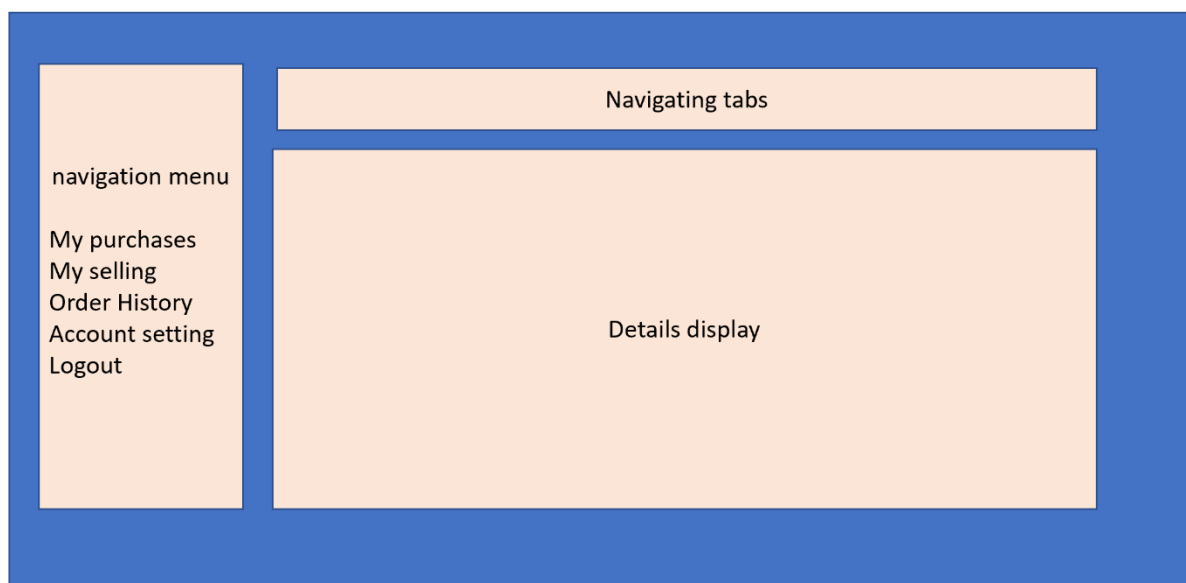
Product page



## Shopping cart page



## Profile page

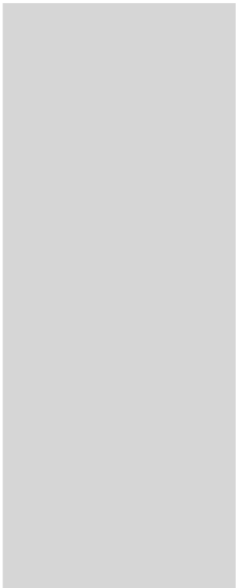
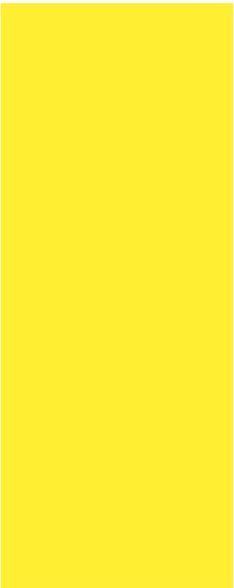
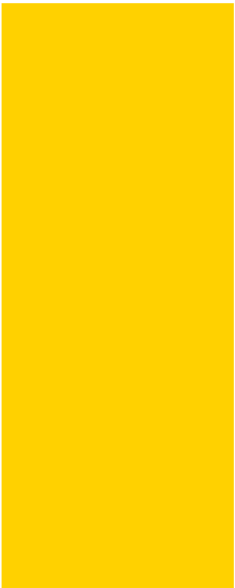
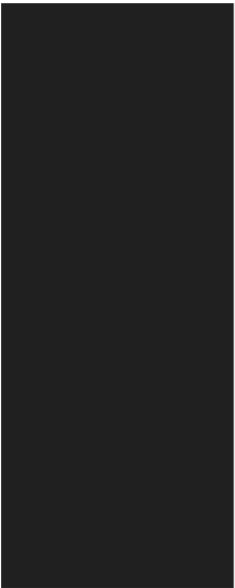
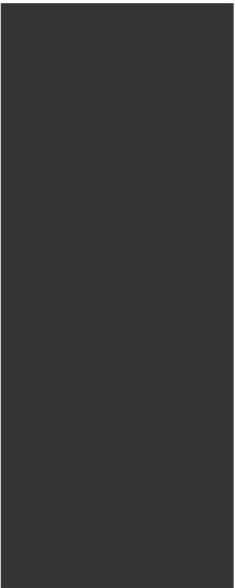


# Surface Plane

## Responsiveness

This website is responsive to small, medium and large screen sizes. It is a mobile first approach application. And it is single page application.

## Colours

									
Color 1		Color 2		Color 3		Color 4		Color 5	
HEX	D6D6D6	HEX	FFEE32	HEX	FFD100	HEX	202020	HEX	333533
RGB	214, 214, 214	RGB	255, 238, 50	RGB	255, 209, 0	RGB	32, 32, 32	RGB	51, 53, 51
HSB	0, 0, 84	HSB	55, 80, 100	HSB	49, 100, 100	HSB	0, 0, 13	HSB	120, 4, 21
CMYK	0, 0, 0, 16	CMYK	0, 6, 80, 0	CMYK	0, 18, 100, 0	CMYK	0, 0, 0, 87	CMYK	3, 0, 3, 79



Color 1		Color 2		Color 3		Color 4		Color 5	
HEX	BFBD C1	HEX	6D6A 75	HEX	3732 3E	HEX	DEB8 41	HEX	DE9E 36
RGB	191, 189, 193	RGB	109, 106, 117	RGB	55, 50, 62	RGB	222, 184, 65	RGB	222, 158, 54
HSB	270, 2, 76	HSB	256, 9, 46	HSB	265, 19, 24	HSB	45, 71, 87	HSB	37, 76, 87
CMYK	1, 2, 0, 24	CMYK	6, 9, 0, 54	CMYK	11, 19, 0, 75	CMYK	0, 17, 70, 12	CMYK	0, 28, 75, 12

*See attached pdf for more*

**Combination of beige grey, deep grey and shade of gold:** use this theme combination for the site surface plane including the brand logo to represent mood and tone for the platform.

Gold represents luxury, extravagance, wealth, riches, and excess. Gold is a warm colour that can be either bright and cheerful or sober and traditional. It shares several of the same attributes of the yellow and brown which is associated with illumination, love, compassion, courage, passion, magic, and wisdom

While grey represents luxury, calm, neutrality and balance. Grey has a very soothing and cooling presence.

This is an eCommerce platform for luxury resales hence, the combination serves the purpose of platform mood and tone.

## Typography

Using **google font**:

- **Montserrat, sans-serif:** for h1, h2, h3, h4, h5 and h6
- **Open Sans, sans-serif:** for a tag and p tag

**Montserrat** is widely used for products such as bags. It is simple geometric letters which make the design appealing and have a large X-height. It provides the vibes of trust and can go best with maximum fonts. The font has a charming tale, features friendly and open curves. This makes for a more natural reading rhythm more commonly found in humanist and serif types.

**Open Sans** is widely used in high end stores. It was designed with an upright stress, open forms, and a neutral, yet friendly appearance. It was optimized for print, web, and mobile interfaces, and has excellent legibility characteristics in its letterforms.

## Layout

**Collapsible Tab** is used to make sure the site and other sections on the page can be viewed unobstructed across devices of all sizes and user can hide and show the search options as desired.

**Stackable column** is applied to smaller screen size for better UX and readability.

**Offcanvas** toggle from right side of the page is use for shopping cart to maintain same product page when user click on shopping cart to view cart details and perform check out. This is to improve UX of the product, shopping cart and checkout process.

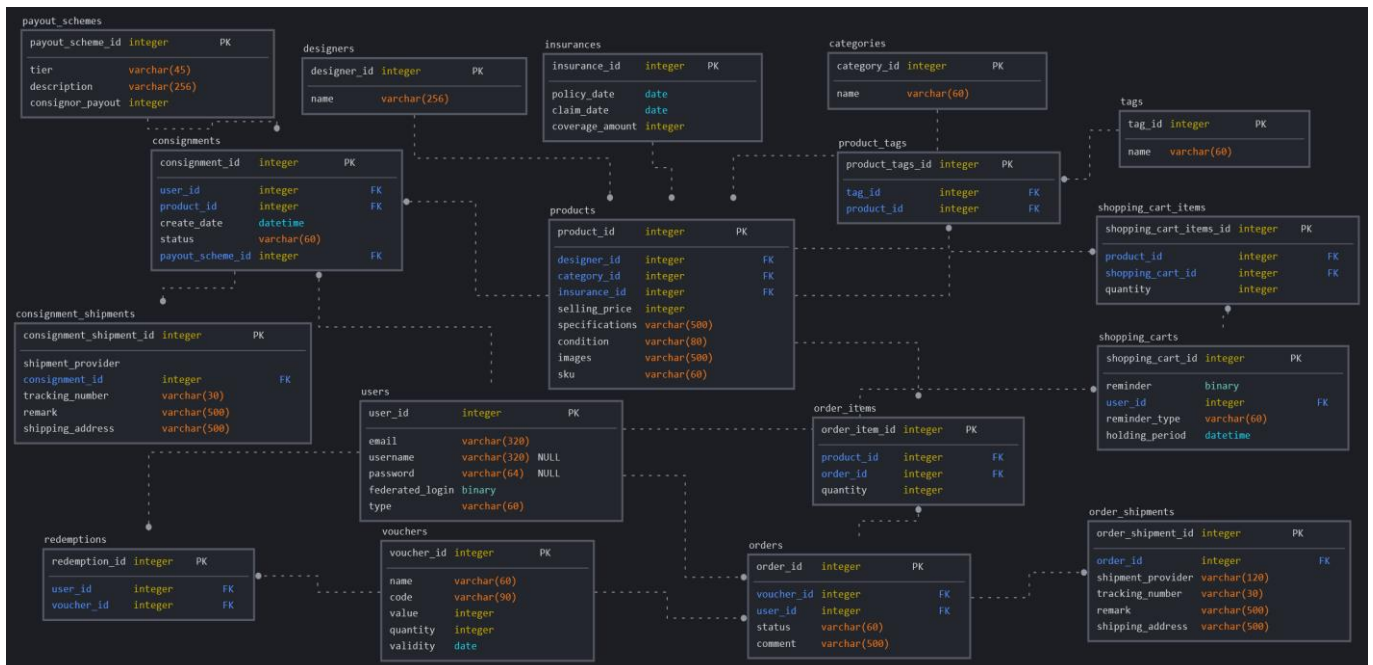
**Popup modal** is used for login, account sign up and some other pop up information to provide users with info without leaving their current page. So, there will be no page change when user need to perform login or even quick account signup with conveniently just click on cross to close the modal pop up.

## Technologies Used

Frontend	
<b>HTML 5</b>	To structure the content of the website.
<b>CSS</b>	To add stylistic touches to the website.
<b>Bootstrap 5.1</b>	To structure the layout of the website (i.e., cards, modal, interactive container, column) and ensure website is mobile responsiveness.
<b>React Bootstrap v2.0.0 (Bootstrap 5.1)</b>	To use Navbar, collapse tools, collapse bar & tab, offcanvas that compatible with react framework.
<b>GoogleFonts</b>	To style the typography on the website to enhance the visual experience of users.
<b>FontAwesome</b>	Uses the icons provided by FontAwesome to enhance the user experience by making user interaction with the application more intuitive.
<b>React Framework</b>	To create component-based interactive UIs.
<b>Email JS</b>	To securely send email from Javascript. In this contact, mainly use to receive appointment request for product consignment, new service testing hypothesis, feedback from user submission through this eCommerce application.
Admin site	
<b>Express Handlebars (HBS)</b>	a templating engine to render web pages to the client side from data on the server-side, used with express as the hbs module It ensures minimum templating and is a logicless engine that keeps the view and the code separated.
<b>Node.js / Express framework</b>	Backend web application framework for Node.js to build web applications

<b>Caolan form</b>	to create, parse and validate forms in node
<b>Cloudinary</b>	for end-to-end image- and video-management solution from image and video uploads, storage, manipulations, optimizations to delivery
API & DB	
<b>Node.js / Express framework</b>	Backend web application framework for Node.js to build web applications and APIs. To connect the react frontend to mySQL/PostgreSQL
<b>mySQL, PostgreSQL</b>	open-source relational database management system
<b>ORM, database migrations, Bookshelf</b>	<p>Bookshelf is a JavaScript ORM for Node. js, built on the Knex SQL query builder. It features both Promise-based and traditional callback interfaces, transaction support, eager/nested-eager relation loading, polymorphic associations, and support for one-to-one, one-to-many, and many-to-many relations.</p> <p>It is a simple library for common tasks when querying databases in JavaScript, and forming relations between these objects, taking a lot of ideas from the Data Mapper Pattern.</p>
<b>Stripe payment</b>	payment processing software and application programming interfaces for e-commerce websites and mobile applications, supporting the electronic transfer of money from a customer's bank (issuing bank) into a merchant's bank (acquiring bank) as payment for goods or services bought with a credit card.

## Logical schema





# Software Application Development

*Here are some test cases of some features available on this application as to demonstration*

## User Story, Test Case and Acceptance Criteria

Test Case Scenario	Test Scope	User Story	Criteria	
			Acceptance	Failure
Listing	View listing	<p>As user, I want to be able to view all products listing at one glance so that I know what are my product choices to browse through.</p> <p>As user, I want to be able to know quickly of the name of the brand/designer, product name and how much does it cost so that I can make quick decision whether to look into more details of that respective products</p>	<ul style="list-style-type: none"><li>○ List of product items display on each card in the listing page by rows and columns</li><li>○ The indication of brand/designer name, product name, selling price and retail price.</li><li>○ The product card must be able to click on to toggle to view more details about the respective products (link to product page).</li></ul>	<ul style="list-style-type: none"><li>○ List of product items are not displayed properly in card or some information are missing and are not being arrange properly by rows and columns</li><li>○ The useful information that helps users to be able to make quick decision are missing or not being displayed properly</li><li>○ The card width and height must be consistent</li><li>○ The product name to be put on overflow hidden (for the case that the name is too long to be display on the card listing)</li><li>○ The card div are unclickable to view more details about the selected product. Unable to click to view more details.</li></ul>

Test Case Scenario	Test Scope	User Story	Criteria	
			Acceptance	Failure
Listing	Search	<p>As user, I want to be able to quickly search using some keywords such as brand name, designer name, name of the products so that I can quickly filter and save time not to go through each individual list.</p>	<ul style="list-style-type: none"><li>○ Search input bar on the top of application together with the navbar.</li><li>○ It must be able to type in key words into search input and display search result accordingly.</li><li>○ The system must setup to find match those key words in product table (designer, name, product specification, product description)</li></ul>	<ul style="list-style-type: none"><li>○ Search input bar is not appeared on the top of the application in the navbar.</li><li>○ Unable to type key words into the search input or not to display the result.</li><li>○ The system is failed to match the finding of those key words in product table (designer, name, product specification, product description)</li></ul>

	filter search	As user, I want to be able to filter the search range by clicking on pre-defined tabs that define by categories, designer or brand name so that I can quickly see how many choices do I have.	<ul style="list-style-type: none"> <li>○ The pre-defined filtering search options as combination of tabs and drop-down list must be available for selection.</li> <li>○ The filtering lists must have a choice of selection by just in, limited edition, vintage, runway collection, collaboration pieces, designer, categories.</li> <li>○ When the filter is applied, the list of products that being displayed or render are according to the filter criteria.</li> </ul>	<ul style="list-style-type: none"> <li>○ The filter search options are not available or any filter tab/drop-down lists are missing and not no value displayed.</li> <li>○ No filtering choices or some of the filtering choice options are missing.</li> <li>○ Unable to perform filtering by selecting any of the filtering choices.</li> <li>○ When filtering is applied, the number of products being rendering incorrectly, wrong matching an not according to the filter criteria.</li> </ul>
--	---------------	---	--	--

Test Case Scenario	Test Scope	User Story	Criteria	
			Acceptance	Failure
Product Details	View product details page	<p>As user, I want to be able to see details of products I wish to purchase.</p> <p>As user, I want to see list of images of products in every possible angle so that I can see and make judgment if the condition is acceptable for me.</p> <p>As user, I want to know the condition of the product with the description explaining any defect or condition it is in.</p> <p>As user, I want to be able to add item to cart for later consideration or make a purchase if I am happy with the respective</p>	<ul style="list-style-type: none"> <li>○ List of product details must be available (brand or designer name, price, retail price, product description, specification, condition, verified authenticity and warranty, return policy).</li> <li>○ Some of product details such as product description, specification, condition, verified authenticity and warranty, return policy must be in a collapsible tab, to be able to expand and hide as user wish in order not to over informative on the quick glance</li> <li>○ The images must be display for user to view.</li> <li>○ The images must be organised in hidden overflow container with a scrollable bar. Each of the images must be able to toggle and select to display in the larger container.</li> <li>○ Add the cart button or a</li> </ul>	<ul style="list-style-type: none"> <li>○ Any of the product details are not available to view (brand or designer name, price, retail price, product description, specification, condition, verified authenticity and warranty, return policy).</li> <li>○ Unable to expand or hide some of the collapsible tab that designed to hold product description, specification, condition, verified authenticity and warranty, return policy.</li> <li>○ The product images are unavailable or missing or not being displayed properly.</li> <li>○ The images are not organised in hidden overflow container with a scrollable bar. Or unable to toggle between each image or unable to select the respective image to display in the larger container.</li> <li>○ Add the cart button or a quick checkout button are</li> </ul>

		product.	quick checkout button must be available in the product page. And they are must be clickable to activate to cart page or payment processing page respectively.	not available in the product page. Or they are not clickable to activate to cart page or payment processing page respectively.
--	--	----------	---	--

## Testing

Refer to the attach for step-by-step instructions for the following:

- Listing
- Search and Filter
- Product details
- Shopping cart
- Checkout (stripe)
- Login
- Account registration
- Profile management
  - Dashboard
  - Purchase orders
  - Consignment orders
  - Account setting
    - Edit profile
    - Change password
    - Delete account
- Consignment
  - Consignment form
  - Virtual appointment form
- Product authentication

## Known bugs

### Product inventory issue

- After order completion, inventory is not updated

### Shopping cart

- Vertical scroll always appears even though the cart items are not occupied full div

# Future development features

## Login

- To implement registration confirmation via link sent to registered email address
- To implement user/password reset (authentication through URL sent to registered email address)
- Implement federated login (Gmail, Facebook, Instagram, Tiktok).
- Implement option to “remember me” log in and option to allow user to login every time accessing the page without remember me.

## Profile

- To implement change email under account management page
- Implement force re-login after changing password and trigger email notification informing password has been change

## Product

- Implement the alert message box when customer view the product that has quantity of 1, to courage them to make a purchase.

## Shopping cart

- To implement email automated to abandon shopping cart to courage and remind customers of their items in the cart to complete the order (to increase sales transaction to company)

## Consignment

- Implement photo upload (improve from existing version that using image URL) in react frontend.
- Implement new order creation in HBS side for admin processing after first appointment assessment made from virtual appointment

## Admin portal

- Implement search features in admin portal

## New Services

- Implement email JS integration for feedback form, new services such as instalment plan, VIP plan to gather and test hypothesis and market need.
- Implement sharable post via social media
- Chatbot

## References

- Device simulator application
  - <http://www.responsinator.com/>
- Colour schemes generator
  - <https://coolors.co/>
- Images are from:
  - <https://www.gucci.com/us/en/>
  - <https://ap.louisvuitton.com/eng-sg/>
  - <https://www.balenciaga.com/en-sg>
  - <https://www.hermes.com/sg/en/>
  - <https://www.celine.com/en-gb/home>
  - <https://www.dior.com>
  - <https://www.dolcegabbana.com/>
  - <https://www.chanel.com/sg/>
  - <https://www.alexandermcqueen.com/>
  - <https://www.alexanderwang.com/>
  - <https://www.fendi.com/>
  - <http://asia.christianlouboutin.com/>
  - <https://www.miumiu.com/sg>
  - <https://www.phillips.com>
  - <https://www.prada.com/>
  - <https://www.rolex.com/>
  - <https://www.ysl.com/en-sg>
  - <https://www.valentino.com/>
  - <https://www.versace.com/>
- VDO from:
  - <https://www.fashionphile.com>
  - <https://www.aucshow.net/assets/frontend/global/img/Processing.gif>