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FPT ACADEMY INTERNATIONAL
FPT – APTECH COMPUTER EDUCATION

EYEONIC

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1 Acknowledgement

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We wish to express our gratitude to the e-Project Team at the Head Office in India, who provided us with guidance and instructions. We would like to thank all the staff members at the Center in India for providing us the opportunity to work on this project and offering us their upmost encouragement throughout the process.

We would like to express our special thanks of gratitude to our instructor, Mrs. Pham Thi Lanh at the Aptech Computer Education HCMC for her able guidance and support in completing our project. We would also like to extend our gratitude to the staff at the Aptech HCMC office for providing us with all the facility that was required.

Our acknowledgement to several people who also helped with the collections of pictures samples, CSS & JS libraries, the preparation of web development, sample code snippets and tutorials and they are all thanked for their contributions. Special mentions go to the contributors of Bootstrap 4, the contributors and admins for tutorials sites such as W3C school, Tutorialspoint.com, Geeks for Geeks, and many other learning sites.

And lastly, to our many friends and family, you should know that your support and encouragement was worth more than we can express on paper. Thank you to our moms and dads for breakfasts, lunch and dinners – we could not have finished the project without being provided with love and daily nourishments.

2 Eyeonic

Eyeonic store is eyewear workshop providing vision care make your overall eye health and wellness a priority. The same level of care goes into every pair of high quantity eyewear and contacts we sell.

Eyeonic mission to help you find the perfect-for-you pair of eyewear or contacts as well as care for the eyes behind them. With access to our network of 38,000 doctor and free frame adjustments, you can trust that Eyeonic is always looking out for your eyes.

You are supposed to create a website for them with the below mentioned requirement specifications:

- The website is to be developed to provide certain features according to specific requirements by the management.
- The website is to be developed for the Windows Platform using HTML5, JavaScript and Geolocation. The site should work well in all leading browsers including Chrome, IE, Firefox etc.

3 Review 1

3.1 Require Specification

The Web site is to be created based on the following requirements.

- 1) Home Page should contain logo of the site with proper sections and details of Frames and Lenses with suitable images.
- 2) The site should display a menu which will contain the options for brief introduction about the various frames and lenses available, location of the shop and any other information if required.
- 3) The information should be categorized according to the brand names of the products like if a User wants to see only “Ray-Ban” products or any other companies products then he/she can click on a Link/button/menu etc. and can see only that Brand products.
- 4) Another category option for “Contact Lenses”, “Sunglasses” etc. should be created and accordingly the products should be listed.
- 5) When a user selects any branding, a list of products for that brand will be displayed
- 6) A brief summary of features of individual products should be displayed on the Web Page along with the product but detailed Features should be stored in Individual Word documents which can be downloaded or viewed by the User who wishes to see the same.
- 7) The user should also be able to compare the various products of different as well as similar brands.
- 8) There should be a “Contact Us” page which will have the Address of the Company which is as follows and the mail address which when clicked will invoke the local mail client from where they can send an email. Address of the Company should be displayed using Geographic Location API (etc. Google Maps).

3.2 Problem Statement

Eyeonic is selling various types of Lenses and Frames. Company has a large collection of Frames and lenses. The company advertises by distributing the pamphlets, advertising on television and so on. Due to rapid development in internet field, the company decides to launch a website where people will get all the information about the various products available with them easily.

We are supposed to create a website for them with the below mentioned requirement specifications.

After reading of all requirement statement and problems. We have solution to solve all these things and get the company to connect the client easily. So, the Website can provide all information of product which the customer can seek the information of their needs for protect their vision.

3.3 Customer Requirement Specification

3.3.1 Client

Eyeonic Store

3.3.2 Objective

- Providing the information of products that Eyeonic selling by category products (etc. frames, contact lens, sunglasses....)

- The website should have the smooth working by adding the logo and image that make the attraction to the user in the first looking at the website. Homepages have the most of images and information about new product arrival and some advertising images about the product. Also, the navigation bar are multiple links which able to click to the product branding and more features. The information user needs are show in the brand-product page and more detail inside. Others, client can make comparation from the different product which is having the same value or information they need. In addition, users can get to us the review of product about the quality or our services on the page.

- User can download the description information of product when they want to save in computer. If the user wish looking the product in store or contact with us, they can send us message via the email, or we show them our physical location by doing click to “Contact us” page.

- User can looking that Eyeonic store’s services have to provide information the best service to the customer (etc. Free-shipping, Cleaning, Warranty....)

3.3.3 Features Of The Website

- Clickable to links on the menu or searching product.

- Clickable to show the information kinds of product via the links “Sunglasses, Frame, Contact Lens” and show all product in the links.

- Clickable to compare different product via “Comparation Product” links when user is looking in the product showed on the page with the other product.

- Clickable to the “Services” links to show the service that Eyeonic providing.

- Click “Download” links for downloading information product documents from Eyeonic store.

- Click “Contact Us” on webpage to make the connection with client and user. Our office location will be displayed using Geolocation API embedded in the HTML.

- Click “Send us an email” via send us email links with the text form.

- Click “Buy Now” that product have reserved on the badges. And show user-cart shopping after they choice product.

- The user to get able to be the member by creating the account on “Sign Up” and login their account on “Sign In”.

3.3.4 Hardware/ Software Requirements

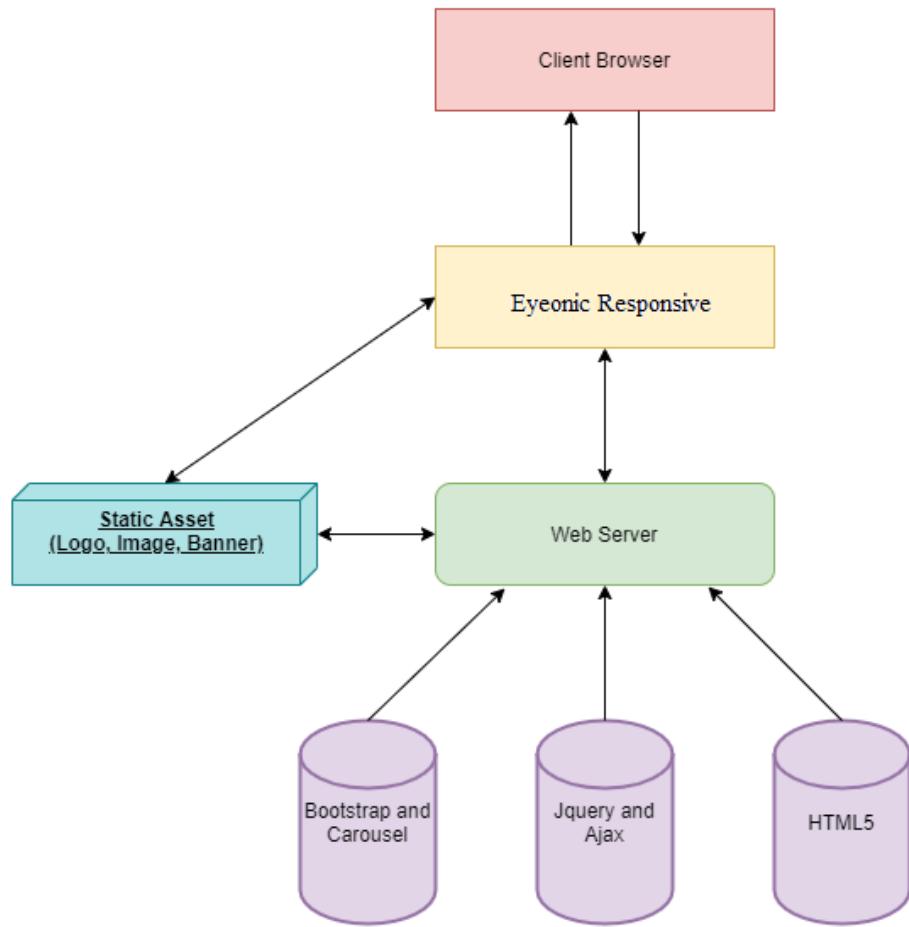
Hardware

- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better
- 64 Megabytes of RAM or better

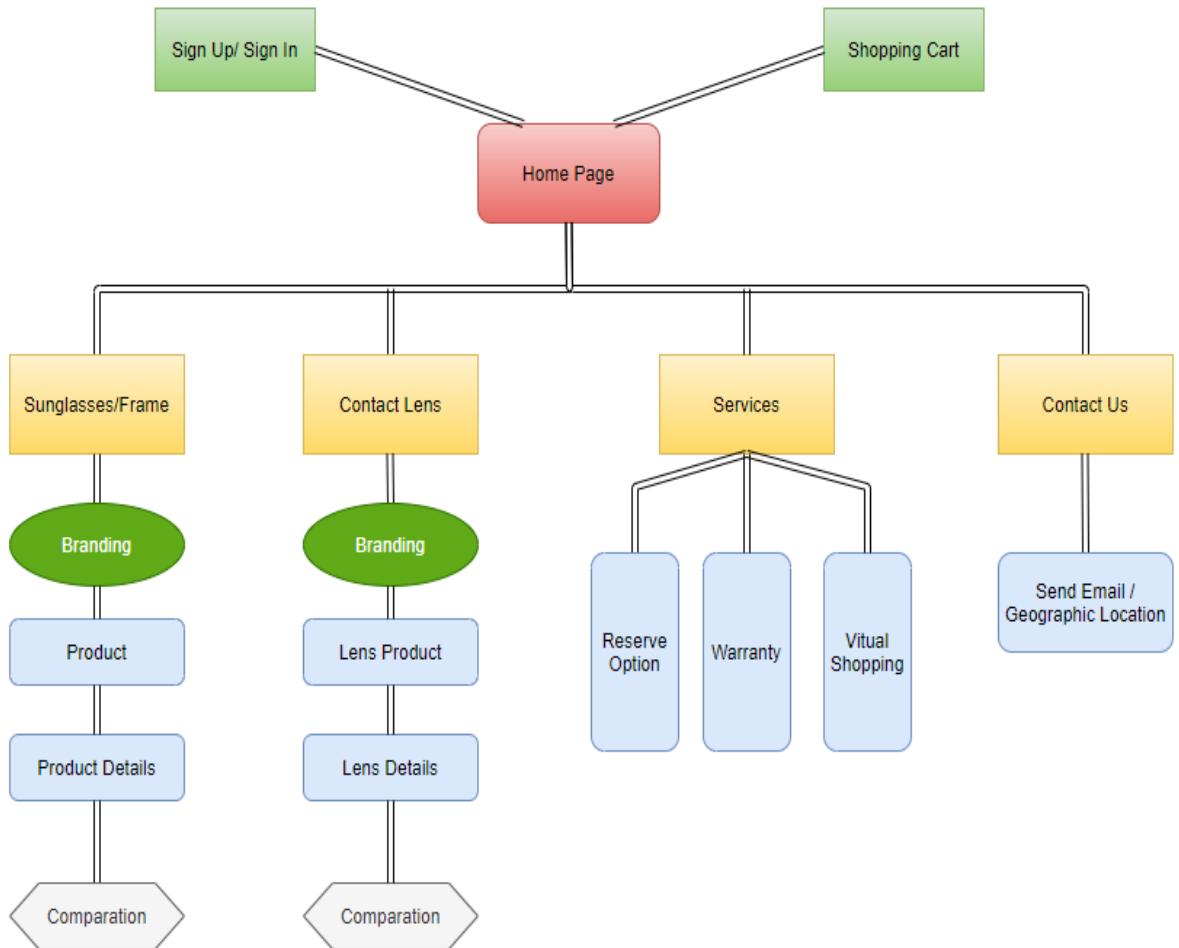
Software

- Notepad/HTML editor
- Visual Studio Code
- IE 9.0/ Netscape 6.0

3.4 Architecture And Design System



3.5 Site Map

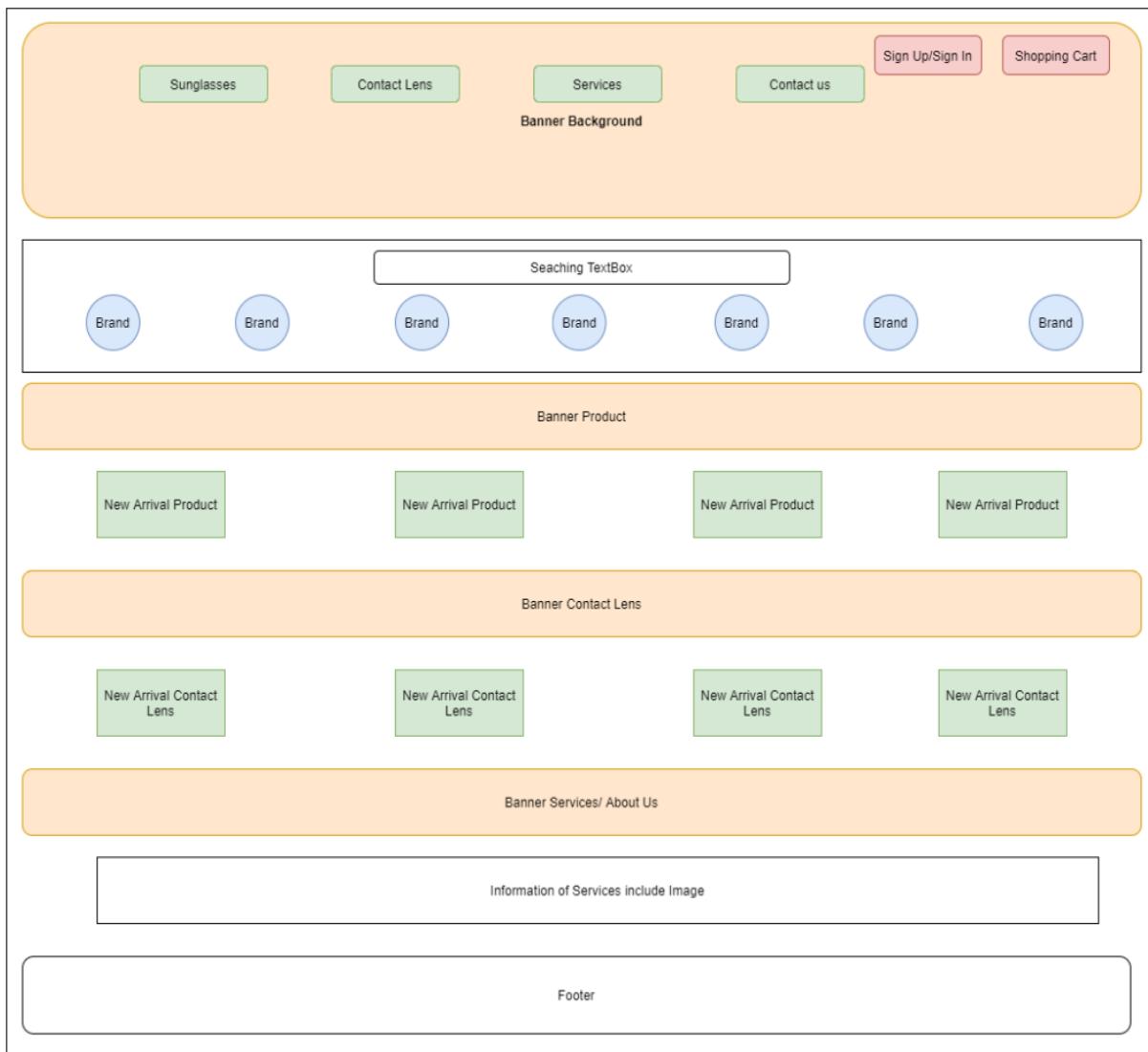


3.6 Web Design Layout

The website layout is to be designed with a SIMPLE but ELEGANT design. Because of the objective is to QUICKLY and SYSTEMICALLY deliver information to the site visitors, the maintain focus of our webpage will be on the main landing page where all the information will be stored and represented. The site users will have a variety of interactions such as performing search function on a search bar, dropdown menus, comparation features, downloading Word documents, showing product, buying product and more. The websites will also have a few complimentary pages such as Services, Contact Us which contain introductory information about our service and our contact.

3.6.1 Home Page

This layout below describes our Home Page which contains some important parts:



1. Navigation bar:

Sign in/ Sign out links to create and login user account.

Shopping Cart is the links to show how many product users buying.

Sunglasses/Frame, Contact Lens, Service, Contact Us are the navigation bar to links to the function page for each links.

Background Image is showed behind the navigation bar.

2. Content (Body):

Searching Bar is the function that user can searching what the product they need.

Product banner, contact banner, services banner is showed by images or slider image.

Product and contact lens are only showed the new arrival product which have content such as name product, price, and button shopping.

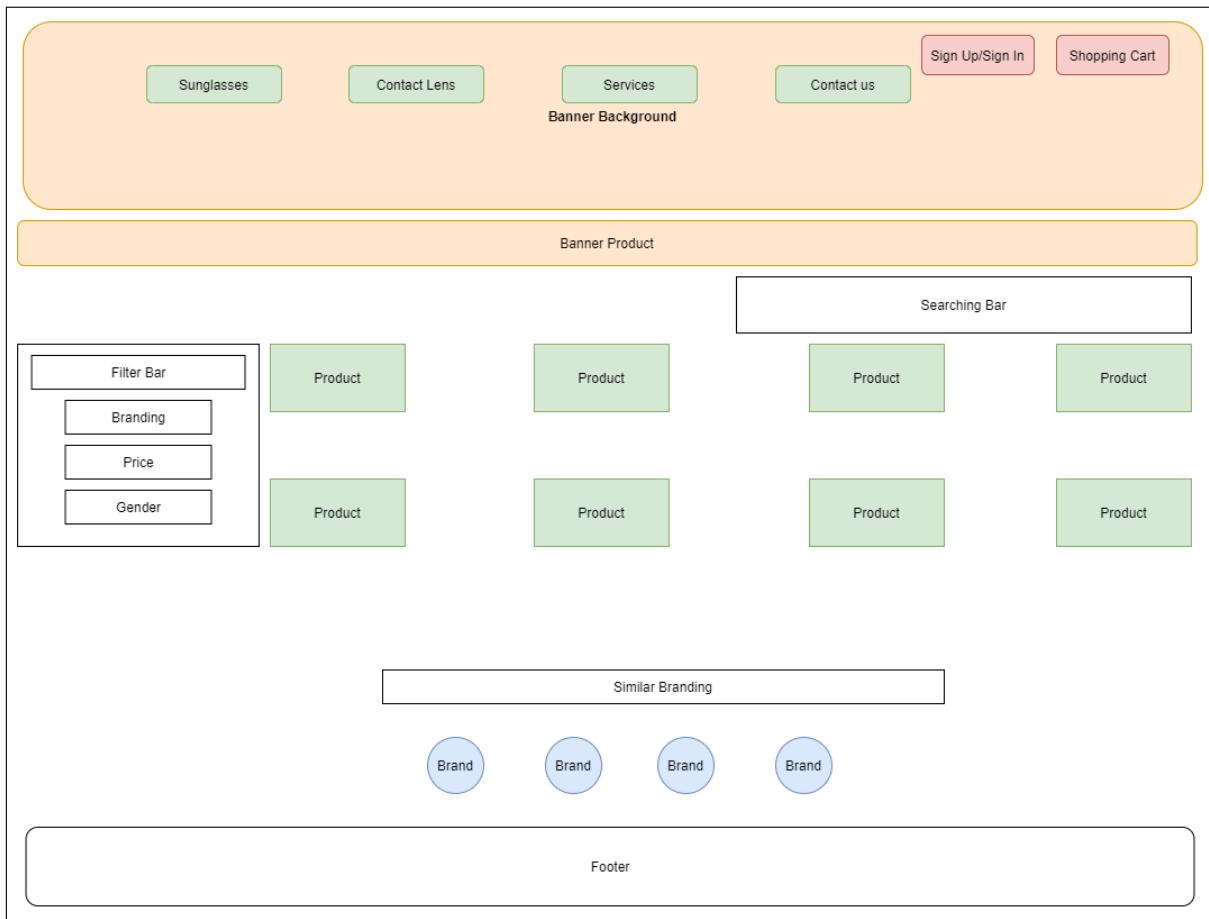
3. Footer:

Footer will show some categories menu likes Privacy, Help, About Us, logo image and social links.

3.6.2 Brand Sunglasses Product Page, Contact Lens Page

This page is showed all product of the categories of branding/contact lens. The same layout with homepage but the page is added some feature like filter bar. Also, user can see the similar branding logo which can access to the other branding product easily.

Searching bar is the same function searching with all the page that will show user's input needs.



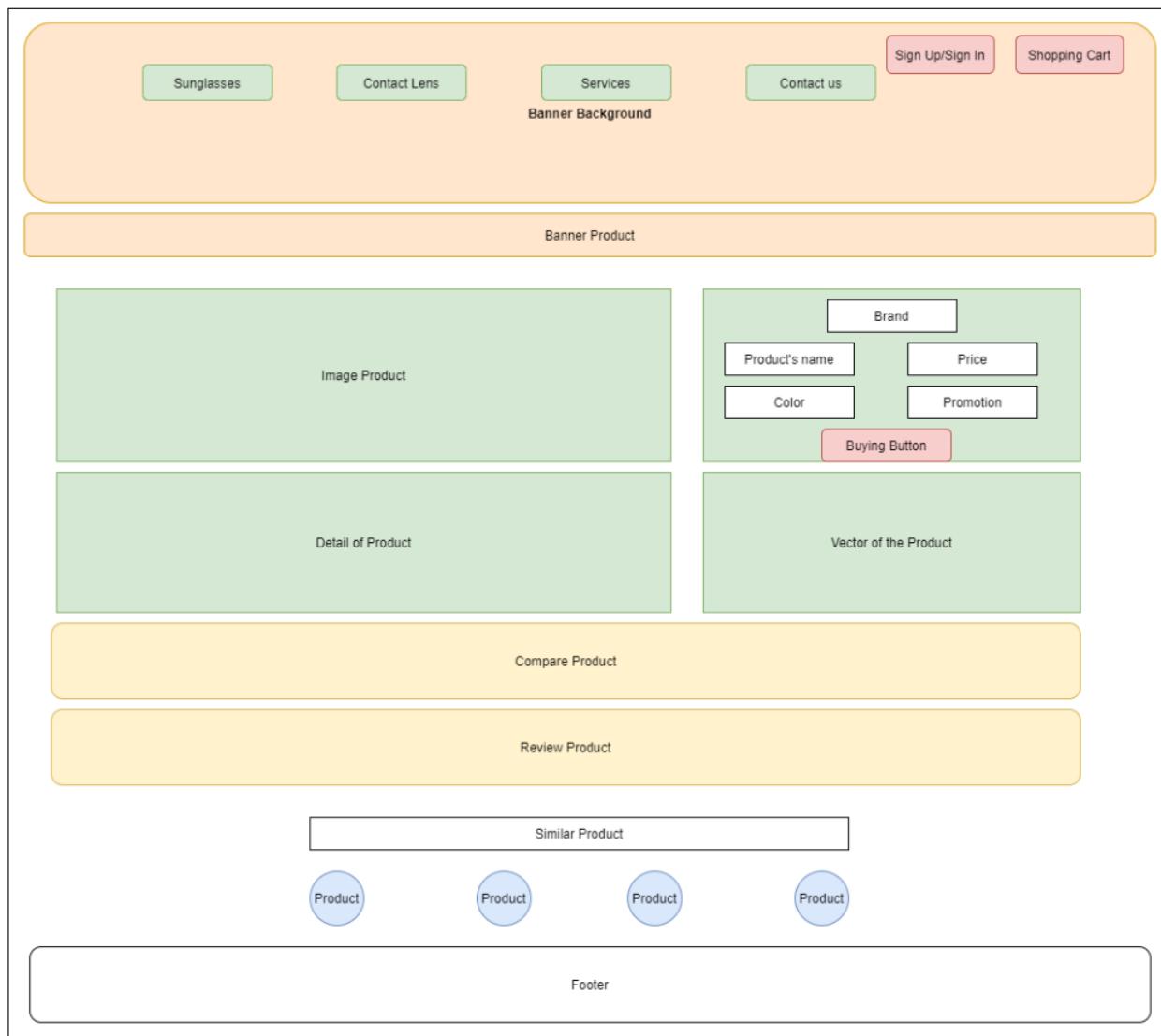
3.6.3 Brand Sunglasses Product/ Contact Lens Detail Page

Detail page is show more information about the product that user can see and choose what they need. Then, the buying button function make user's choice into the shopping cart.

Feature more, users can make comparation with the other product on the page. The page will show detail of both product on the comparation that user needs.

After that, user can write the review for the product on this page and can see previous review from the other customer.

Also, the user can download description product document via the links below detail of the product "Click here to download detail of product".

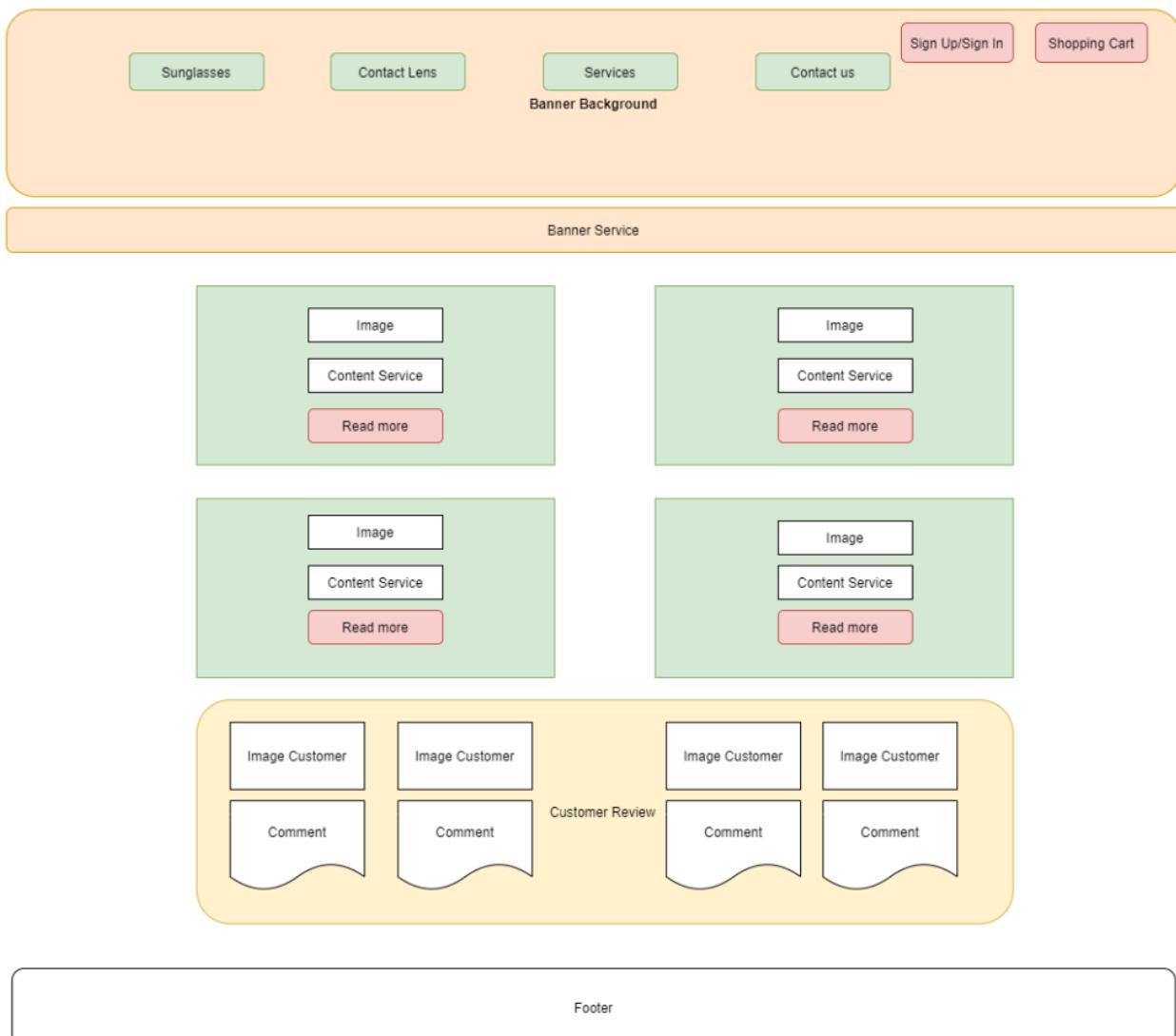


3.6.4 Service Page

This page is showed all the service that we provide to the customer, user can read more information and choice what they need.

Per service frame has the “Read More” button that help user can seek more information for each service.

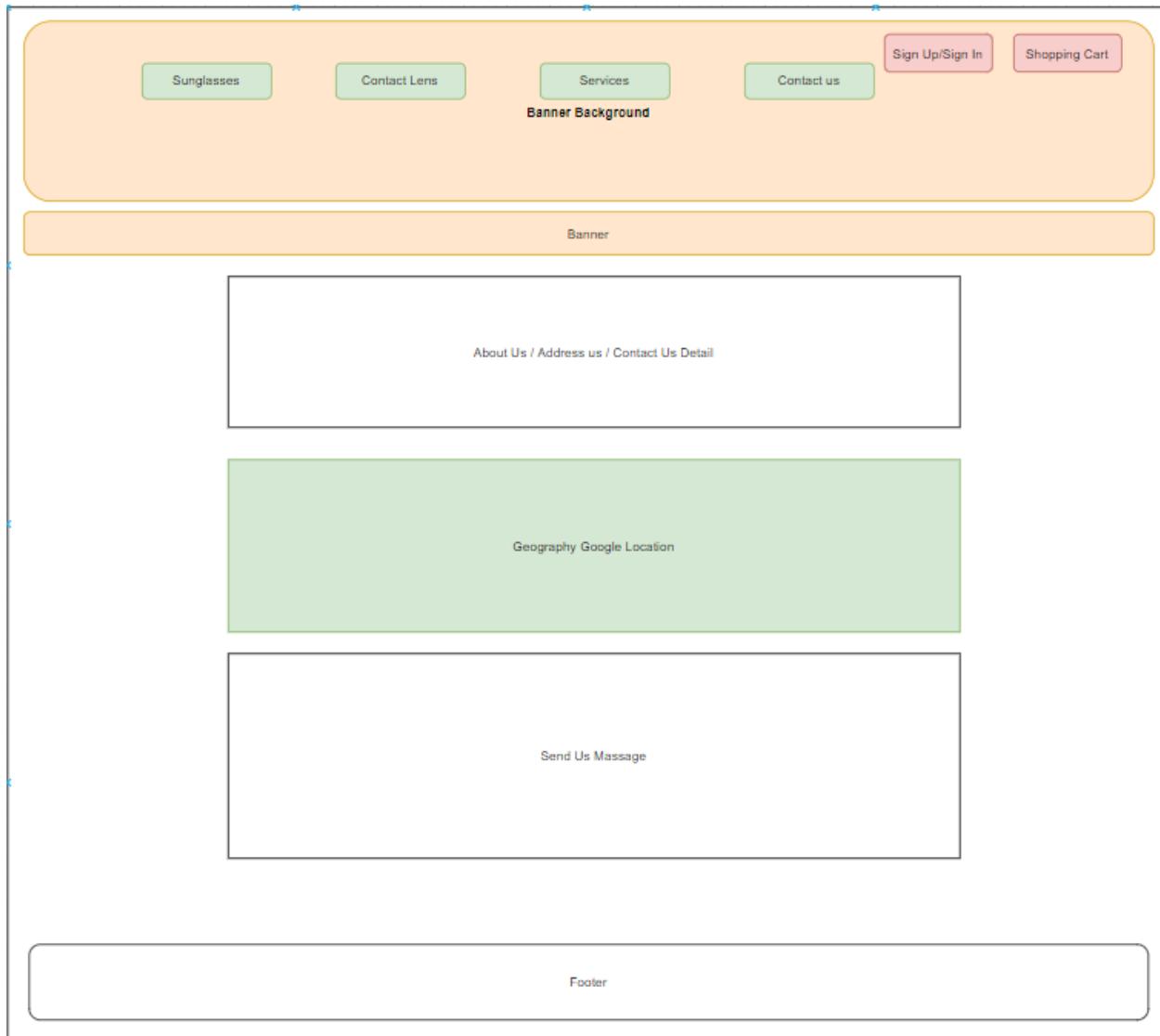
Also, there are multi-comment on below that are the customer’s review for the service of Eyeonic.



3.6.5 Contact Page

On this page, the website helps the user and customer about the information detail of Eyeonic store such as Geography google location, Eyeonic's content.

Also, the user can contact to Eyeonic by sending message through the page.



3.7 Task Sheet 1

e-Project Title: Eyeonic		Preparation Activity Day			
Task	Activity prepared by person	Actual Start Days	Actual Complete Task Days	Teammate Names	Status
Brainstorming idea for layout and Project Objective	Nhuận, Hòa Đạt Danh	11/6/21	1 day	Nhuận Hòa Đạt Danh	Completed
Draw sitemap and architecture design	Nhuận	11/6/21	1 day	Nhuận	Completed
Design general layout (header, footer)	Nhuận	11/6/21	1 day	Nhuận	Completed
Collect static asset (picture, document, information)	Nhuận Hòa Đạt Danh	11/6/21	1 day	Nhuận Hòa Đạt Danh	Completed
Design and build Home Page	Nhuận	12/6/21	2 days	Nhuận	Completed
Design and build Brand-Sunglasses Product Page and Sunglasses Product Detail	Hòa	13/6/21	4 days	Hòa	Completed
Design and build Contact lens page and Contact lens detail page	Đạt	13/6/21	5 days	Đạt	Completed
Design and build Services and Contact us page	Danh	13/6/21	5 days	Danh	Completed
Write project report review 1	Nhuận	18/6/21	2 days	Nhuận	Completed

Mentor Signature	Team Leader Signature

4 Review 2

4.1 Project Snapshots

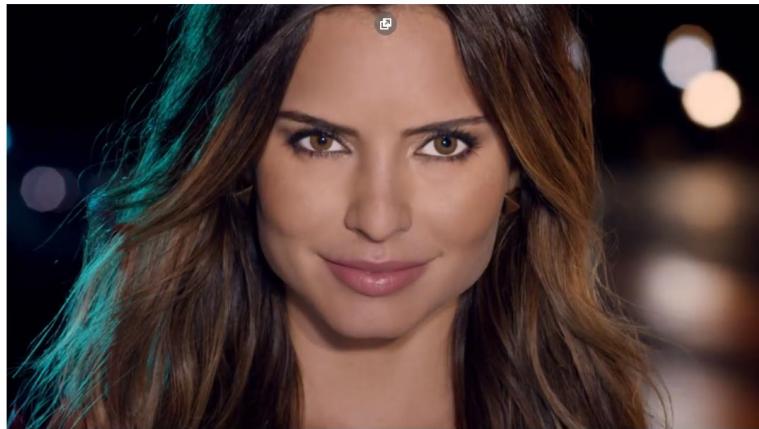
4.1.1 Home Page

The following snapshots illustrate the creation of Eyeconic home page:

The screenshot shows the homepage of the Eyeconic website. At the top, there is a navigation bar with links for HOME, SUNGLASSES, CONTACT LENSES, SERVICES, CONTACT US, SIGN IN | SIGN UP, and a lock icon. Below the navigation is a large banner featuring four people wearing sunglasses against a scenic background. The word "eyeconic" is prominently displayed in the center of the banner. A search bar with the placeholder "Search Product You Need" and a "Search" button are located at the bottom right of the banner. Below the banner, the text "New Arrival Sunglass" is visible. The main content area features a large, colorful graphic with the text "SHOP ALL THE LATEST TRENDS" and "EYECONIC.COM". Below this, six different sunglasses models are displayed in a grid. Each model has a name, price, and a "Detail" button.

Product Name	Price	Action
Moira	\$19.99	Detail
Pascagoula	\$30.99	Detail
Uvalde	\$59.59	Detail
Huntsville	\$29.95	Detail
Nodia	\$69.39	Detail
Elroy	\$59.25	Detail

Trending Color



GEMSTONE GREEN

Price : \$17

[Detail](#)



VIOLET GALAXY

Price : \$16

[Detail](#)



GREEN YELLOW

Price : \$6

[Detail](#)



GRAY BLIND

Price : \$6

[Detail](#)



BLENDS BLUE

Price : \$12

[Detail](#)



BLENDS HONEY

Price : \$10

[Detail](#)

All The Brands You Love



LACOSTE 

Calvin Klein

GUCCI


NIKE 
NIKEVISION

Get in Touch

MON-FRI 9AM - 5PM
📍 123 Eyeonic Store, LA, Vietnam
✉ eyeonicstore@gmail.com
📞 1 800 556 926

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Company Info

➤ About Us
➤ Our Stores

Services

➤ Virtual Shopping
➤ Options/Shopping
➤ Promises

We Accept:     

Secured By: 

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4.1.2 Branding Sunglasses / Contact Lenses

The screenshot shows the homepage of the eyeconic website. At the top, there is a navigation bar with links for HOME, SUNGLASSES, CONTACT LENSES, SERVICES, CONTACT US, and SIGN IN | SIGN UP. A shopping cart icon indicates 0 items. Below the navigation is a large black and white photograph of four people wearing sunglasses. The word "eyeconic" is prominently displayed in white lowercase letters across the middle of the photo. To the right of the photo is a search bar with the placeholder "Search Product You Need" and a "Search" button. Below the main image is a section titled "COSPLAY STYLES" featuring a woman with blue hair and several contact lens options. A banner below this section says "ALL PRODUCT". A sorting dropdown menu is visible, set to "Latest". Below the banner are four eye images with product names: "VIOLET GALAXY", "BLUE SHIVA PRESCRIPTION", "WHITE OUT PRESCRIPTION", and "BLACK MESH", each with a star rating and price. At the bottom, there are logos for "AIR OPTIX NIGHT&DAY AQUA", "chromaview", "EYE FUSION", and "FreshLook COLORBLENDS".

4.1.3 Sunglasses Product Detail / Contact Lenses Product Detail Page

The screenshot shows a product detail page for the Lacoste Cynthia sunglasses. At the top, there's a navigation bar with links for HOME, SUNGLASSES, CONTACT LENSES, SERVICES, CONTACT US, SIGN IN | SIGN UP, and a shopping cart icon showing 0 items. Below the navigation is a large banner featuring four models wearing sunglasses. The brand name "eyeconic." is prominently displayed in the center of the banner. A search bar at the bottom right of the banner contains the placeholder "Search Product You Need" and a "Search" button.

LACOSTE Cynthia
Price: \$30
Color: Gold
Promotion:

- Buy One Get One Free
- 30% Off Entire Order

[Add to cart](#) [Try On](#) [Zoom\(+\)](#)

Details

SKU: FM1481	Gender: Women
Material: Metal	
Frame: Full	Progressive: Yes
Shape: Oval	
Weight: 10.6g (0.37 oz)	

Description
These finely oval metal frames with water-waved detail are instantly elevating, whatever your wardrobe mood. The curved bridge, adjustable nose pads, and acetate-tipped slimline arms offer a comfortable, adjustable fit.

[Click here to download details of product](#)

Technical dimensions of the sunglasses:

- Frame Width: 130 mm
- Lens Width: 47 mm
- Lens Height: 36 mm
- Bridge: 21 mm
- Diagonal: 45 mm
- Temple Length: 140 mm

Two side-view photographs of a woman with long brown hair wearing the sunglasses, showcasing their fit and style from different perspectives.

Similar Product



COMPARE PRODUCT

The page displays detailed product information for 'Cynthia' sunglasses, including name, price, color, SKU, frame type, shape, weight, gender, material, progressive lenses, dimensions, and bridge width.

Product Details	Value
Name:	Cynthia
Price:	\$30
Color:	Gold
SKU:	FM1481
Frame:	Full
Shape:	Oval
Weight:	10.6g (0.37 oz)
Gender:	Women
Material:	Metal
Progressive:	Yes
Frame Width:	130 mm
Lens Width:	47 mm
Lens Height:	36 mm
Bridge:	21 mm
Diagonal:	45 mm

Review

Your Name:



Review

All Branding You Love



Calvin Klein



(0) HOME SUNGLASSES CONTACT LENSES SERVICES CONTACT US SIGN IN | SIGN UP

eyegonic®

Chromaview

Search Product You Need Search Language

WHITE OUT PRESCRIPTION

★★★★★

Take your zombie costume to new heights with the spooky 90 Day White Out Prescription Contact Lenses!

Price: \$18

Color: Chromaview

Promotion:

- Buy 1 get 1 free
- Discount 30% off on the total of bill

Add to Cart Zoom(+) Click here to download product detail document

COLOURED CONTACTS

Similar Costume Style

VIOLET GALAXY

★★★★★

BLUE SHIVA PRESCRIPTION

★★★★★

WHITE OUT PRESCRIPTION

★★★★★

BLACK MESH

★★★★★

COMPARE PRODUCT

COLORBLENDS GREEN PRESCRIPTION

Price (\$)	13
Duration (day)	90
Quantity	2 per pack(pair)
Prescription	yes
Type	prescription
Diameter	14.5
Base Curve	8.6
Water Content	55%
Made From	Phemfilcon A

HONEY PRESCRIPTION

Price (\$)	18
Duration (day)	30
Quantity	2 per pack(pair)
Prescription	yes
Type	prescription
Diameter	14.2
Base Curve	8.6
Water Content	33%
Made From	Lotrafilcon B

CUSTOMER's COMMENTS

Your name:

★★★★★

Your comment:

Superman
I love it

Batman
I like it

Submit

4.1.4 Services Page

[\(0\) HOME](#) [SUNGLAESSES ▾](#) [CONTACT LENSES ▾](#) [SERVICES](#) [CONTACT US ▾](#) [SIGN IN | SIGN UP](#)

Search Product You Need Search

eyeconic.

Virtual Shopping Consultation
Meet our personal shopper who will guide you through the newest trends and will help you find the frame that best fits your style.
[Read More](#)

Options'Shopping
Choose Your Ways To Shopping
[Read More](#)

Our Perfect Pair Promise
Where We Keeping Our Promises With Customers.
[Read More](#)

OUR CLIENTS

COMMENTS

What People Says About Us

Justin Bieber	Donald J. Trump	Garima Chaurasia
"I really enjoyed styling these glasses. The design is very sleek and gives me good clarity. It's super light and the anti-reflective coating is total bliss to my eyes"	"Love Eyeonic glasses! Stylish and sturdy."	"I am impressed with the massive collection at Eyeonic eyewear. Finding the right pair for my face shape was super fun and easy"
Aishwarya Rai	Cristiano Ronaldo	Lionel Messi
"Absolutely love the variety on Eyeonic website, great eyewear"	"Eyeonic makes some of the most stylish eyewear. Their quality considering their prices is unmatched in Viet Nam, truly my go-to brand for eyewear"	"Absolutely brilliant. No one more words can describe about this awesome brand any more."

Register For New Letters()

Please fill in this form.

Email

abc@mail.com

Register

Already have an account? [Sign In](#).

Customer Benefit Packages()

Choose The Package That You Like.

Basic

\$ 9.99 / year

10 Coupons

0 Free Frames

2 Free Cleaning

1 Freeshipping

Pro

\$ 24.99 / year

15 Coupons

1 Free Frams

3 Free Cleaning

2 Freeshipping

Premium

\$ 49.99 / year

25 Coupons

2 Free Frames

5 Free Cleaning

5 Freeshipping

 Call Us

[Sign Up](#)

[Sign Up](#)

[Sign Up](#)

4.1.5 Contact Us / About Us Page



ABOUT US



Our Story

Eyeconic Store is an American owned (Address: 36928 SCHOOLCRAFT RD LIVONIA, MI 48150, US) and operated online retailer of eyeglasses. Since the website launch in 2004, we have delivered over a million pairs of eyeglasses while maintaining our standard of providing the highest quality at affordable prices. We are a group of eye doctors that understands your struggle with the high cost of eyeglasses. We strive to make your experience with EyeonicStore.com one that is not only user-friendly but also professional and reliable. Being able to deliver superior eyeglasses at an unbeatably-low price has allowed us to help people all over the world see clearly and, in turn, has provided our team with a more rewarding experience than we could have ever anticipated. We guarantee your satisfaction.

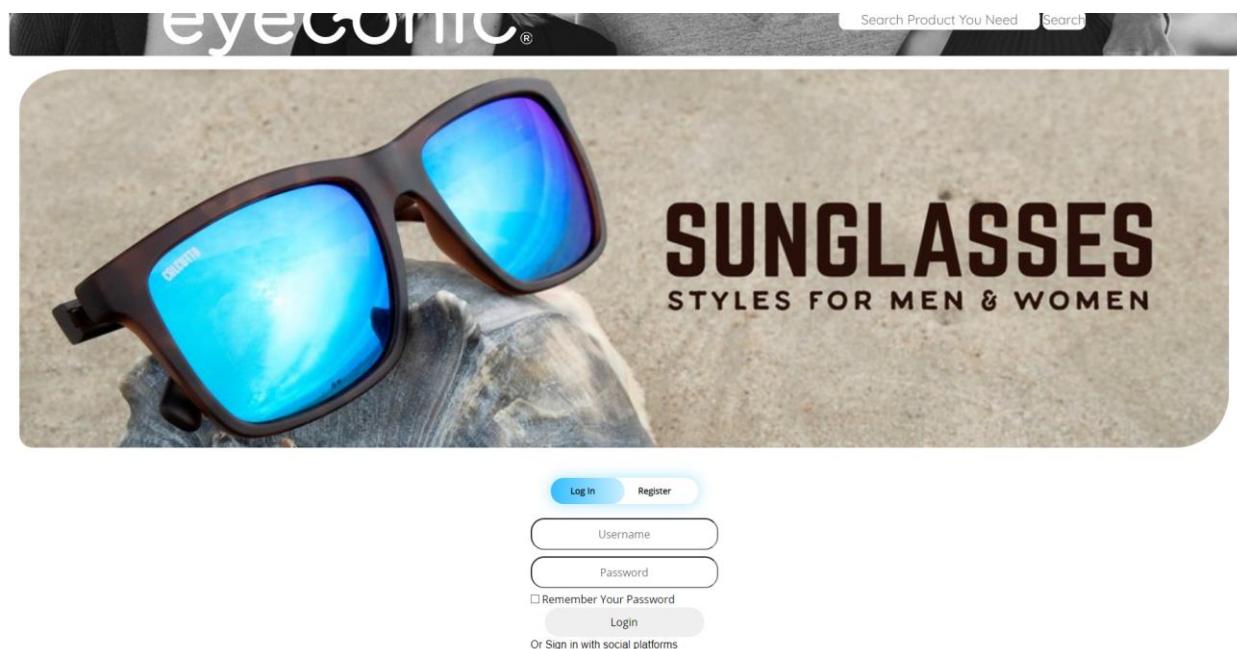
Our Vision

At EyeonicStore.com, our client-oriented philosophy makes your visual needs our first priority. We have created a culture of integrity and honesty, so you can shop with confidence.

- Our company strives to ensure all clients will have the best possible customer experience.
- Our frame sourcing and quality control protocols give you the best online selection of unbeatable-priced eyeglasses anywhere.
- Our Quality Assurance optical technicians will inspect your eyeglasses extensively before they are delivered.
- Our prescription eyeglasses frames and sunglasses come with a 90-day quality guarantee.
- Our international logistic centers allow us to provide the most stylish top quality eyeglasses at unbeatable prices to customers around the world. From our integrated, centralized international distribution center, we are able to ship orders worldwide and service customers across the globe. We have delivered our quality eyewear to customers in more than 45 countries!

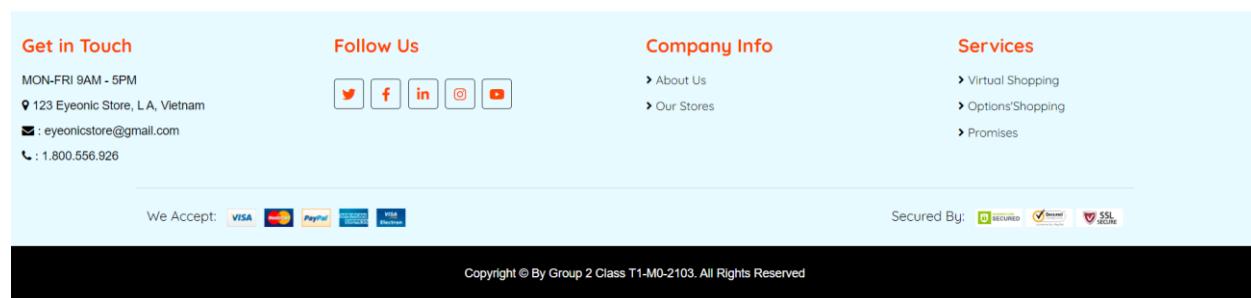


4.1.6 Login / Register Page



4.1.7 Footer

The following snapshot illustrates the creation of Eyeonic.com footer session:



4.2 Source Code With Comment

The project is built based upon the Bootstrap 4 frame work. However, our developer team also heavily modify this website using custom plug-ins and our own HTML/CSS/JS codes. Below is the illustration of important source codes and libraries that we are using for our project.

We will go through each module in greater details following our Developer guide

```
<!-- JavaScript Libraries -->
<script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.bundle.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
<script src="js/products.js"></script>
<script src="js/glass_product.js"></script>
<script src="js/searchProduct.js"></script>
<script src="js/index.js"></script>
</body>
</html>

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Eyeonic</title>
  <meta content="width=device-width, initial-scale=1.0" name="viewport">
  <meta content="eCommerce HTML Template Free Download" name="keywords">
  <meta content="eCommerce HTML Template Free Download" name="description">
  <!-- Favicon -->
  <link href="img/favicon.ico" rel="icon">
  <!-- Google Fonts -->
  <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,400|Source+Code+Pro:700,900&display=swap" rel="stylesheet">
  <!-- CSS Libraries -->
  <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" rel="stylesheet">
  <!-- Template Stylesheet -->
  <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">
  <!-- <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css" -->
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-free@5.15.3/css/fontawesome.min.css">
  <link rel="stylesheet" href="css/style.css">
  <link rel="stylesheet" href="css/style_product.css">
</head>
```

4.3 User Manual

4.3.1 System Requirements

No.	Items	Description
1	Operating System	Android, iOS, window 7 or higher.
2	Supporting Browsers	Chrome, Firefox, Microsoft Edge, IE10+, Opera

4.3.2 Step By Step Instructions

4.3.2.1 Staring Home Page

Users will have access to the website by typing to domain name Eyeonic.com, user will have access to a top navigation bar and a side menu.



Side panel will have a functional search bar and several dropdown links with navigation bar

4.3.2.2 Using Search Bars & Dropdown Menu

The screenshot shows the eyeconic website homepage. At the top, there is a navigation bar with links for HOME, SUNGLASSES, CONTACT LENSES, SERVICES, CONTACT US, SIGN IN, and SIGN UP. Below the navigation is a large black and white photograph of four people wearing sunglasses. The eyeconic logo is prominently displayed in the center of the photo. A search bar with a magnifying glass icon and the word "Search" is located below the photo. Three product cards are visible below the search bar:

- Moira**
Price: \$29.5
Color: Black
- Moira**
Price: \$29.5
Color: Black
- Pascagoula**
Price: \$30.99
Color: Black Tiger

A red arrow points from the text in the callout box to the second product card. A blue arrow points from the text in the callout box to the third product card.

Searching bar has functional when user typing character as brand name, product's name, color then display will show the matching of list products on user needs.

Menu dropdown link to direction of the sunglasses brand, contact lenses, services, contact us page.
When user click on menu, user will reach to the side links then display show individual functional of each page with different background image changes.



The screenshot shows the eyeconic website's homepage. A red arrow points from the text above to the 'Gucci' option in a dropdown menu that appears when the 'Brands' button in the top navigation bar is clicked. The menu also lists 'Calvin klein', 'Lacoste', and 'Nike'. The main banner features four models wearing sunglasses. Below the banner is a search bar with the placeholder 'Search Product You Need' and a 'Search' button. The word 'eyeconic' is prominently displayed in large white letters at the bottom left of the banner.



A blue arrow points from the 'Gucci' menu item down to a product listing for Gucci sunglasses. This section includes a large 'GUCCI' logo, a title 'ALL PRODUCT', a sorting dropdown, and six pairs of sunglasses with their names and prices:

Sunglasses Model	Price
Moira	\$29.95
Huntsville	\$29.95
Pascagoula	\$30.99
Tabitha	\$15.99
Uvalde	\$9.99
Wharton	\$10.99

4.3.2.3 Browsing Products Gallery On Sunglasses/ Contact Lenses Page

After click at menu dropdown of Sunglasses or Contact lenses, User will reach to the branding-name page with showing list product of brand-name. In branding-name page, user can search product that needs then display show below on searching bar.



G U C C I



Sorting By

Higher to Lower
--Sort--
Lower to Higher
Higher to Lower
Name



Pascagoula

\$30.99



Tabitha

\$15.99



Huntsville

\$29.95



Wharton

\$10.99



Moira

\$29.5



Uvalde

\$9.59

Sorting functional list show organized product by sorting.

Click on image will links user to the detail of products

Searching bar is same functional search in homepage. Keep user search product what they need.

All Branding You Love

LACOSTE 

Calvin Klein

GUCCI


NIKE  VISION

Similar Branding bar is below help user
faster reach to other brand's product

4.3.2.4 Products Detail Of Sunglasses/ Contact Lenses Page Functional

Both side Sunglasses and contact lenses have nearly the same functional.

The screenshot shows a product detail page for a pair of sunglasses. At the top, there's a navigation bar with links for HOME, SUNGLASSES, CONTACT LENSES, SERVICES, CONTACT US, SIGN IN | SIGN UP, and a search bar. Below the navigation is a large banner featuring four models wearing sunglasses. The main product image is a pair of gold-colored oval sunglasses with a water-waved pattern on the frames. To the left of the main image are three smaller thumbnail images of the same sunglasses from different angles. To the right of the main image, product details are listed:
Brand: LACOSTE
Model: Cynthia
Price: \$30
Color: Gold
Promotion:

- Buy One Get One Free
- 30% OFF Entire Order

Below the details are two buttons: "Add to cart" (blue), "Try On" (yellow), and "Zoom(+)" (green). A green callout box with an orange arrow points to the "Add to cart" button, containing the text: "Click on add to cart and product will jump to cart on header".
On the left, under the heading "Details", there's a table of product specifications:

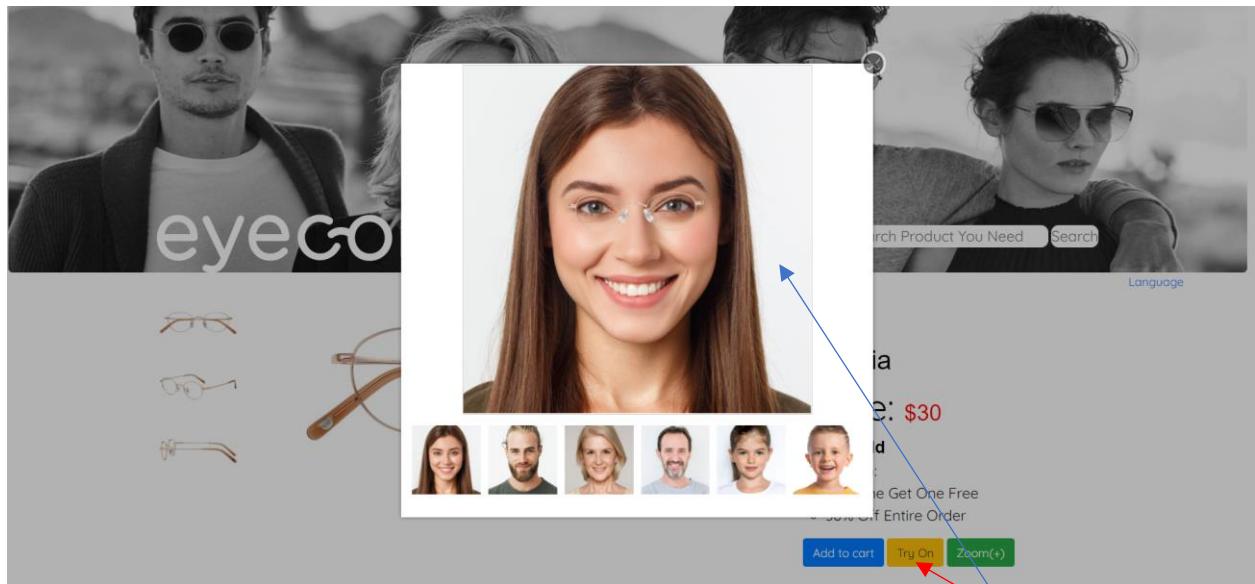
SKU: FM1481	Gender: Women
Frame: Full	Material: Metal
Shape: Oval	Progressive: Yes
Weight: 10.6g (0.37 oz)	

Description: These finely oval metal frames with water-waved detail are instantly elevating, whatever your wardrobe mood. The curved bridge, adjustable nose pads, and acetate-tipped slimline arms offer a comfortable, adjustable fit.

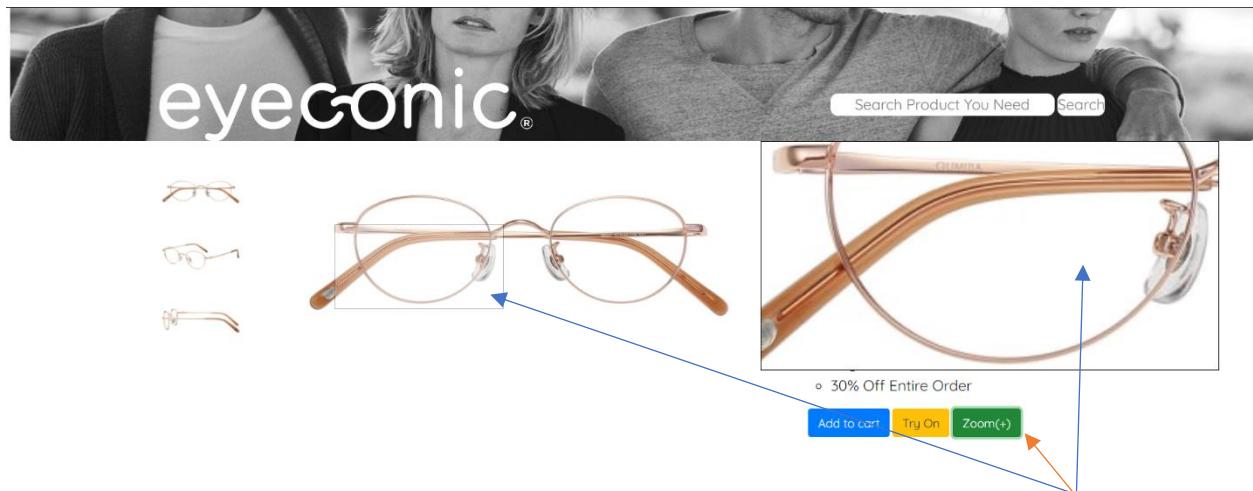
A blue callout box with an orange arrow points to the "Click here to download details of product" link, which is located below the description text.
At the bottom, there are two diagrams of the sunglasses with dimensions labeled: Frame Width 130 mm, Lens Width 47 mm, Bridge 21 mm, Lense Height 36 mm, Diagonal 45 mm, and Temple Length 140 mm.

Click on the link to download product detail file document

Click on add to cart and product will jump to cart on header



Click on Try On button help user can image the product how it fit on the face



Click on Zoom button and move the pointer in the image help user can see clearly the detail of product



SIMILAR PRODUCT



Moira

\$29.5

[Compare](#)



Pascagoula

\$30.99

[Compare](#)



Uvalde

\$9.59

[Compare](#)



Huntsville

\$29.95

[Compare](#)



Tabitha

\$15.99

[Compare](#)



Wharton

\$10.99

[Compare](#)

Click Compare button to show the product on compare table with the current product

Move forward and backward button will help user keep browsing product on miscellaneous

COMPARE PRODUCT



Name : Cynthia

Price: \$30

Color: Gold

SKU: FM1481

Frame: Full

Shape: Oval

Weight: 10.6g (0.37 oz)

Gender: Women

Material: Metal

Progressive: Yes

Frame Width: 130 mm

Lens Width: 47 mm

Lense Height: 36 mm

Bridge: 21 mm

Diagonal: 45 mm



Name : Huntsville

Price: \$29.95

Color: Black

SKU: SUP1077

Frame: Full

Shape: Classic Wayframe

Weight: 13.1g (0.46 oz)

Gender: Women | Men

Material: Metal

Progressive: Yes

Frame Width: 141 mm

Lens Width: 52 mm

Lense Height: 43 mm

Bridge: 20 mm

Diagonal: 53 mm

4.3.2.5 Contact Us / About Us Page

About Us page is showing the eyeonic stories and what the eyeonic purpose to the customer.

ABOUT US



Our Story

Eyeonic Store is an American owned(Address: 36929 SCHOOLCRAFT RD LIVONIA, MI 48150, US) and operated online retailer of eyeglasses. Since the website launch in 2004, we have delivered over a million pairs of eyeglasses while maintaining our standard of providing the highest quality at affordable prices. We are a group of eye doctors that understands your struggle with the high cost of eyeglasses. We strive to make your experience with EyeonicStore.com one that is not only user-friendly but also professional and reliable. Being able to deliver superior eyeglasses at an unbeatably-low price has allowed us to help people all over the world see clearly and, in turn, has provided our team with a more rewarding experience than we could have ever anticipated. We guarantee your satisfaction.

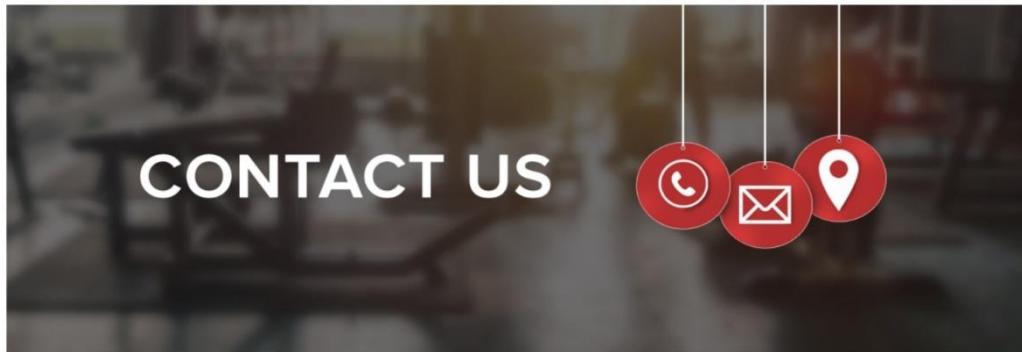
Our Vision

At EyeonicStore.com, our client-oriented philosophy makes your visual needs our first priority. We have created a culture of integrity and honesty, so you can shop with confidence.

- Our company strives to ensure all clients will have the best possible customer experience.
- Our frame sourcing and quality control protocols give you the best online selection of unbeatable-priced eyeglasses anywhere.
- Our Quality Assurance optical technicians will inspect your eyeglasses extensively before they are delivered.
- Our prescription eyeglasses frames and sunglasses come with a 90-day quality guarantee.
- Our international logistic centers allow us to provide the most stylish top quality eyeglasses at unbeatable prices to customers around the world. From our integrated, centralized international distribution center, we are able to ship orders worldwide and service customers across the globe. We have delivered our quality eyewear to customers in more than 45 countries!



Contact us page, user can see all information contact about the eyeonic store. On this side, display will show the geographic google map about the store nearby the customer and there is the input form that user can sent the message to the store via email and contact phone number.



CONTACT INFORMATION

Call Us:

1.800.556.926

Email:

Eyeonic@gmail.com or EyeonicServices@services.us.com

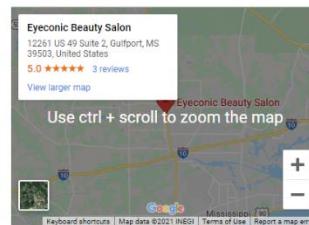
📍 Our First Store:

6805 Siegen Ln, Baton Rouge, LA 70809, United States



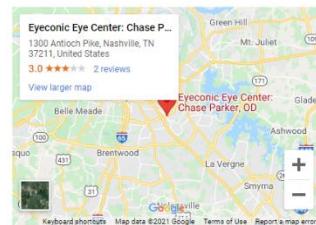
📍 Our Second Store:

12261 US 49 Suite 2, Gulfport, MS 39503, United States



📍 Our Third Store:

1300 Antioch Pike, Nashville, TN 37211, United States



Send Us a Message

Full Name
Email
Your Phone Number
Subject
Message
Submit

4.3.2.6 Footer

More information about our website-map and company will be displayed in the footer session

Get in Touch

MON-FRI 9AM - 5PM
📍 123 Eyeonic Store, L A, Vietnam
✉️ eyeonicstore@gmail.com
📞 1.800.556.926

Follow Us

Company Info

➤ About Us
➤ Our Stores

Services

➤ Virtual Shopping
➤ Options'Shopping
➤ Promises

We Accept:

Secured By:

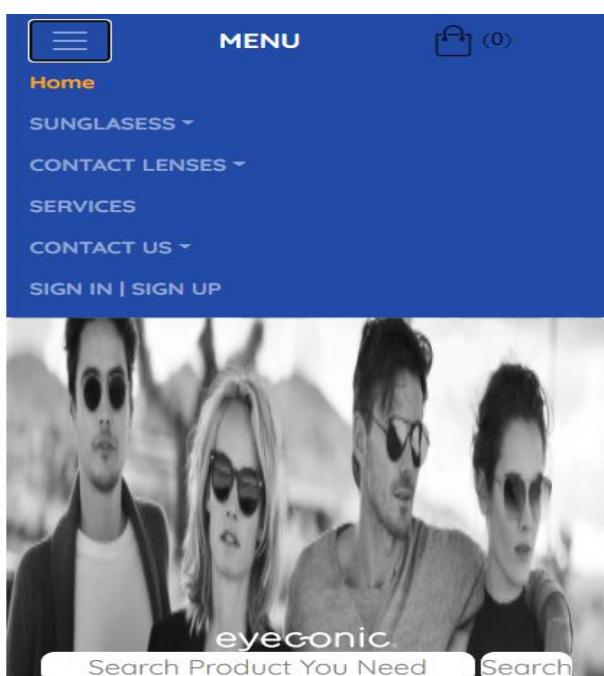
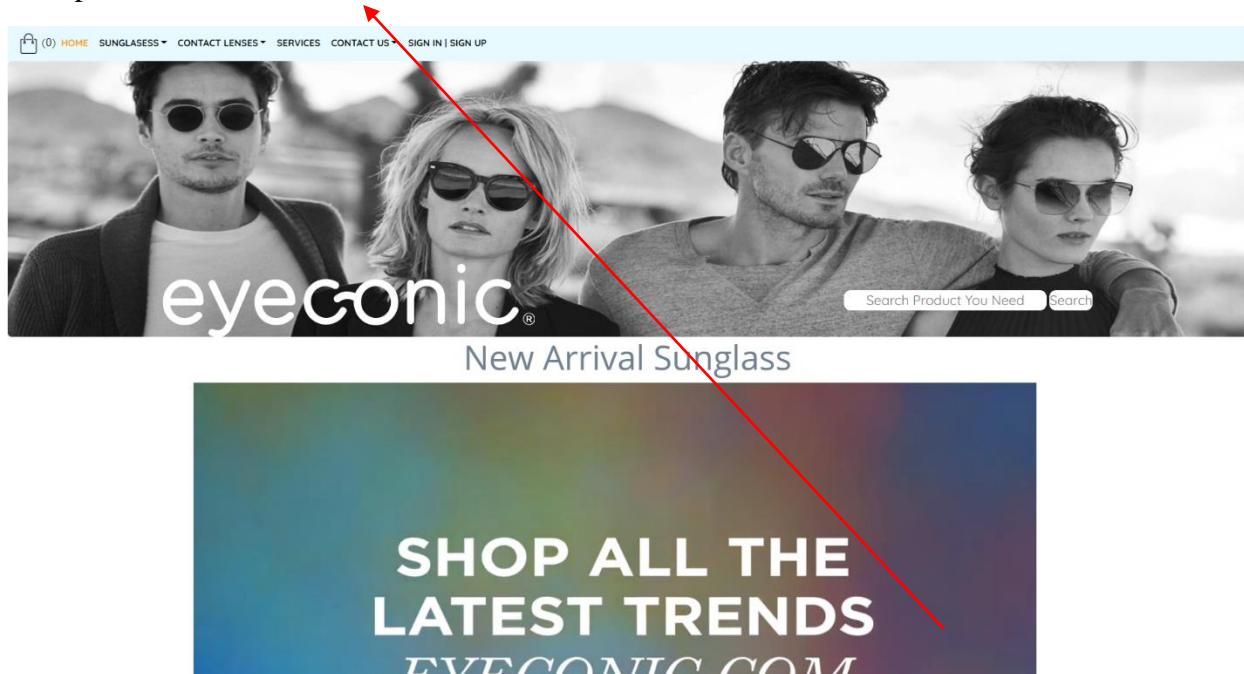
Copyright © By Group 2 Class T1-M0-2103. All Rights Reserved

4.4 Developer's Guides

4.4.1 Home Page

4.4.1.1 Bootstrap Layout

Eyeonic is built using Bootstrap 4 Framework, The Home Page template is with navigation bar on top, responsive web-side, main content will be in the middle and footer section at the bottom of the page. All the side have functional responsive for user using on multiple-device.



When zoom in the side below, the navigation bar will zoom in and hidden dropdown menu when display resolution below 768px

CSS (style.css file) codes:

```

133  @media (min-width: 768px) {
134    .nav {
135      margin: auto;
136    }
137    .nav .nav-link {
138      background: #e6faff !important;
139      font-weight: bold;
140    }
141    .nav .navbar-brand {
142      display: none;
143    }
144    .nav .navbar-dark a.nav-link {
145      color: black;
146      font-size: 14px;
147      text-transform: uppercase;
148    }
149    .nav .navbar-dark a.nav-link:hover,
150    .nav .navbar-dark a.nav-link.active {
151      color: orange;
152    }
153    .dropdown-menu a:hover {
154      background-color: orange;
155      color: black;
156      font-weight: bold;
157    }
158  }
159  @media (max-width: 768px) {
160    .nav,
161    .nav .navbar {
162      background: #4671cc !important;
163      font-weight: bold;
164    }
165    .navbar-collapse {
166      color: black;
167    }
168    .nav .dropdown-menu {
169      box-shadow: none;
170      color: black;
171    }
172    .btn-cart {
173      border: none;
174      background-color: inherit;
175    }
176    .nav .navbar-dark a.nav-link:hover,
177    .nav .navbar-dark a.nav-link.active {
178      color: orange;
179    }
180    .dropdown-menu a:hover {
181

```

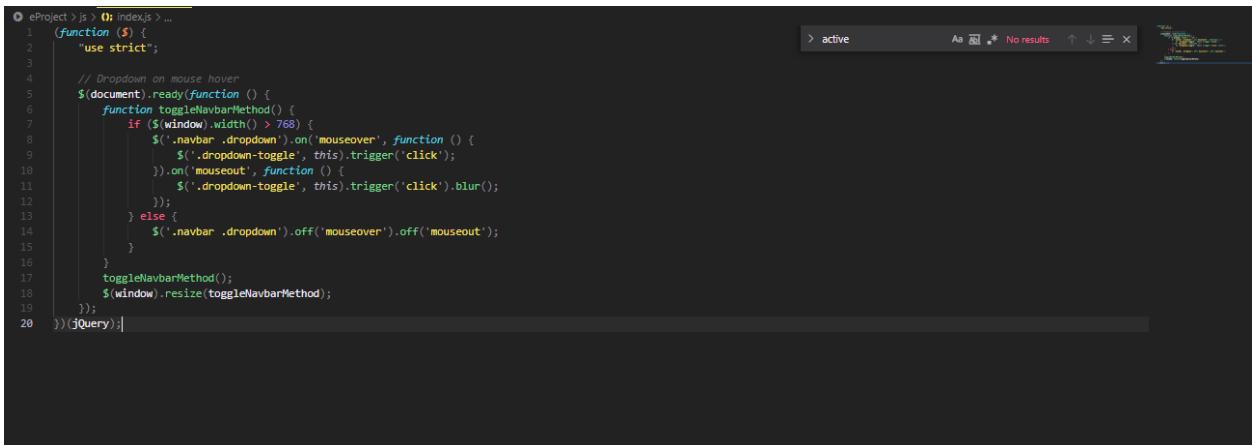
HTML codes:

```

28  <!-- Nav Bar Start -->
29  <div class="container">
30  <div class="nav">
31    <nav class="navbar navbar-expand-md bg-dark navbar-dark">
32      <button type="button" class="navbar-toggler" data-toggle="collapse" data-target="#navbarCollapse"><span class="navbar-toggler-icon"></span></button>
33      <a href="#" class="navbar-brand">MENU</a>
34      <button type="button" class="btn-cart" data-toggle="modal" data-target="#cart"> (<span class="total-count">0</span>)</button>
35      <div class="collapse navbar-collapse justify-content-between" id="navbarCollapse">
36        <div class="navbar-nav">
37          <a href="index.html" class="nav-item nav-link active">Home</a>
38          <div class="nav-item dropdown">
39            <a href="#" class="nav-link dropdown-toggle" data-toggle="dropdown">SUNGASESS</a>
40            <div class="dropdown-menu">
41              <a href="glass_brand.html?key1=a" class="dropdown-item">Gucci</a>
42              <a href="glass_brand.html?key1=b" class="dropdown-item">Calvin Klein</a>
43              <a href="glass_brand.html?key1=c" class="dropdown-item">Lacoste</a>
44              <a href="glass_brand.html?key1=n" class="dropdown-item">Nike</a>
45            </div>
46          </div>
47          <div class="nav-item dropdown">
48            <a href="#" class="nav-link dropdown-toggle" data-toggle="dropdown">CONTACT LENSES</a>
49            <div class="dropdown-menu">
50              <a href="brand.html?key1=a" class="dropdown-item">AirOptix</a>
51              <a href="brand.html?key1=c" class="dropdown-item">ChromaView</a>
52              <a href="brand.html?key1=e" class="dropdown-item">EyesFusion</a>
53              <a href="brand.html?key1=f" class="dropdown-item">FreshLook</a>
54            </div>
55          </div>
56          <a href="ServicePage.html" class="nav-item nav-link">SERVICES</a>
57          <div class="nav-item dropdown">
58            <a href="#" class="nav-link dropdown-toggle" data-toggle="dropdown">CONTACT US</a>
59            <div class="dropdown-menu">
60              <a href="AboutUs.html" class="dropdown-item">About Us</a>
61              <a href="ContactPage.html" class="dropdown-item">Our Stores</a>
62            </div>
63          </div>
64          <a href="login.html" class="nav-item nav-link">SIGN IN | SIGN UP</a>
65        </div>
66      </div>
67    </div>
68  </div>
69  </div>
70  <!-- Nav Bar End -->

```

Java-script (index.js file) codes:

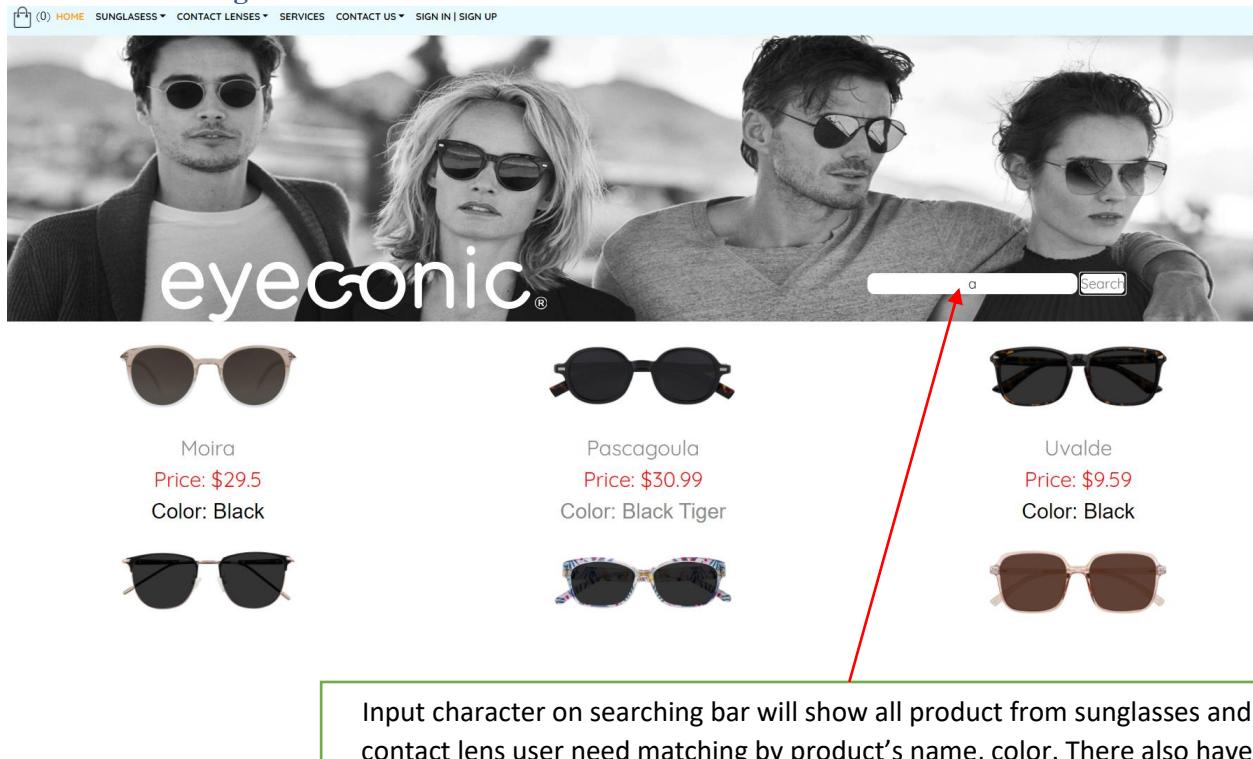


The screenshot shows a code editor window with the following content:

```
1 eProject > js > 0; index.js > ...
2
3
4 // Dropdown on mouse hover
5 $(document).ready(function () {
6     "use strict";
7
8     if ($(window).width() > 768) {
9         $('.navbar .dropdown').on('mouseover', function () {
10            $('.dropdown-toggle', this).trigger('click');
11        }).on('mouseout', function () {
12            $('.dropdown-toggle', this).trigger('click').blur();
13        });
14    } else {
15        $('.navbar .dropdown').off('mouseover').off('mouseout');
16    }
17    toggleNavbarMethod();
18    $(window).resize(toggleNavbarMethod);
19 });
20 })(jQuery);
```

The code implements a dropdown menu behavior for screens wider than 768 pixels. It uses jQuery's `\$(document).ready` function to initialize the script. Inside, it checks the window width. If it's greater than 768, it binds a `mouseover` event to each `.dropdown` element. This triggers a click on its corresponding `.dropdown-toggle` child. It also binds a `mouseout` event to the same elements, which triggers a click and then immediately triggers a `blur` event to prevent the menu from closing. If the window width is 768 or less, it removes the `mouseover` and `mouseout` event listeners from all `.dropdown` elements. Finally, it calls `toggleNavbarMethod` and sets up a resize event listener for the window to trigger this method again.

4.4.1.2 Searching Bar



Input character on searching bar will show all product from sunglasses and contact lens user need matching by product's name, color. There also have responsive functional when user using different display. If user want to clear searching product, user can delete character and make input blank then click on search button again. Display will back to none-product on searching.

HTML code:

```

1
2    <!--Searching Bar Start-->
3    <div class="container">
4        <div class="searching_row" style="background-image: url('image/panel/lol.jpg'); width: 100%;height:100%;background-size: 100% 100%;">
5            
6            <div class="searching-box">
7                <input autocreated type="text" id="search" class="search-input" placeholder="Search Product You Need">
8                <button class = "search-btn" onclick="searchP()" title="">Search</button>
9            </div>
10        </div>
11    </div>
12    <div id="searchProduct"></div>
13 </div>
14 <!--SearchingBar end-->
15

```

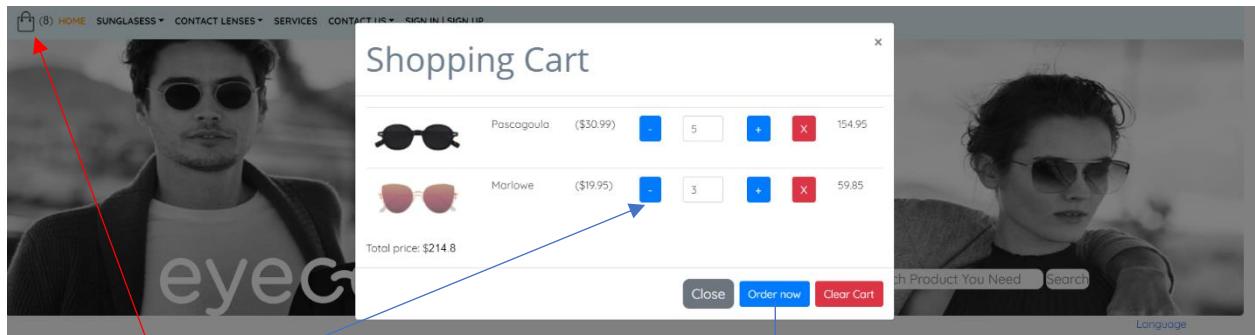
Java-script (searchProduct.js) codes:

```

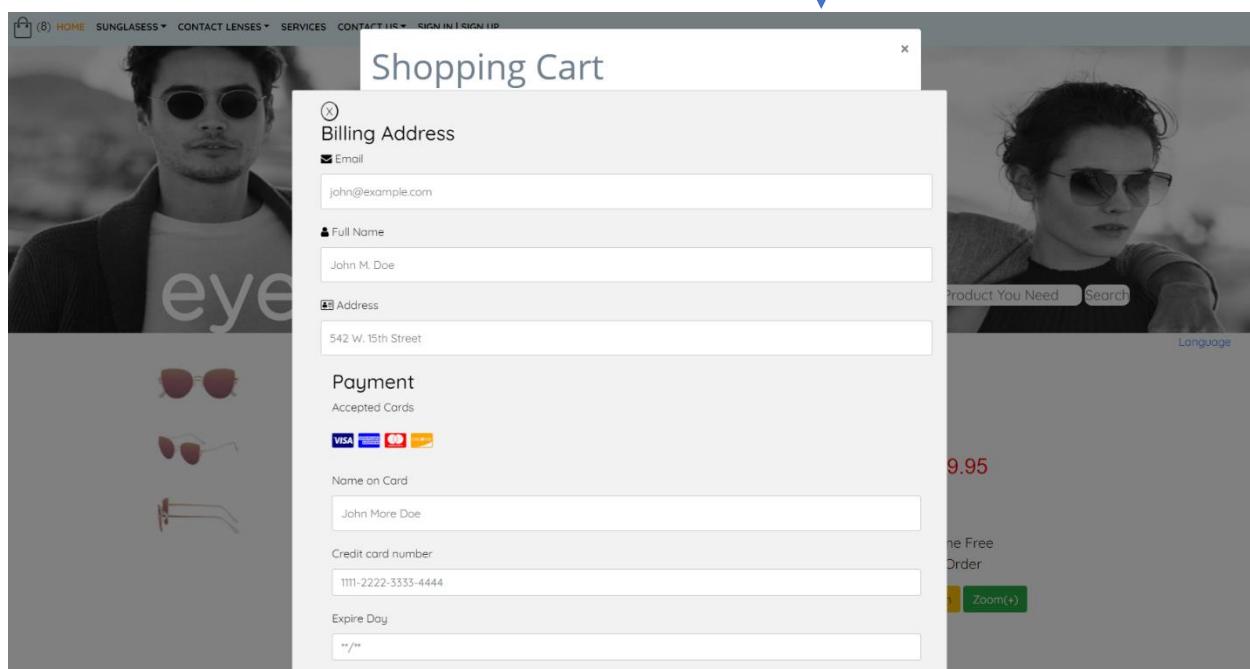
1473 function searchP() {
1474     var usearch = $('#search').val(); // get value
1475     var list_productGlass = '';
1476     var list_productsLenses = '';
1477     var list_product = '';
1478     var patt = /[A-Za-z]/;
1479     if(patt.test(usearch)){
1480         for(var v in glass_product){
1481             if(glass_product[v].name.toLowerCase().search(usearch.toLowerCase()) != -1 || glass_product[v].color.toLowerCase().search(usearch.toLowerCase()) != -1){
1482                 list_productGlass += '<div class="col-xs-12 col-md-4 product">' +
1483                     ' <a href="#">'+glass_product[v].id+'' +
1484                     ' <div class="name_product">'+glass_product[v].name+'</div>\n' +
1485                     ' <div class="price_product"> '+Price: $'+glass_product[v].price+'</div>\n' +
1486                     ' <div class="name_product"><span style="font-size: 30px;color: '+glass_product[v].color+'; color: '+glass_product[v].color+'</span></div>\n' +
1487                     ' </div>';
1488             }
1489         }
1490         list_product+=list_productGlass;
1491         for(var v in product_json){
1492             if(product_json[v].name.toLowerCase().search(usearch.toLowerCase()) != -1 || product_json[v].color.toLowerCase().search(usearch.toLowerCase()) != -1){
1493                 list_productsLenses += '<div class="col-xs-12 col-md-4 product">' +
1494                     ' <a href="#">'+product_json[v].id+'' +
1495                     ' <div class="name_product">'+product_json[v].name+'</div>\n' +
1496                     ' <div class="price_product"> '+Price: $'+product_json[v].price+'</div>\n' +
1497                     ' <div class="name_product"><span style="font-size: 30px;color: '+product_json[v].color+'; color: '+product_json[v].color+'</span></div>\n' +
1498                     ' </div>';
1499             }
1500         }
1501         list_product+=list_productsLenses;
1502         if(list_product == ""){
1503             alert('Can\'t Find Product You Need');
1504             return 0;
1505         }
1506     }
1507     else{
1508         alert('Can\'t Find Product You Need');
1509         return 1;
1510     }
1511     $('#searchProduct').html(list_product);
1512 }
1513
1514 var clearSearch = function(){
1515     $('#search').val('');
1516 }

```

4.4.1.3 Cart Bar



When user buying items in product detail, cart bar will show all product in list cart. User can increase decrease items or delete items. Then making payment via click on "Order Now". Display will show payment form on another pop-up in html



HTML codes:

```
<!-- Form -->
<!-- Form -->


<div class="modal-dialog modal-lg" role="document">
    <div class="modal-content">
      <div class="modal-header">
        <h1 class="modal-title" id="exampleModallabel">Shopping Cart</h1>
        <button type="button" class="close" data-dismiss="modal" aria-label="Close">
          <span aria-hidden="true">&times;</span>
        </button>
      </div>
      <div class="modal-body">
        <table class="show-cart table">
          <tr>
            <td>Product Name</td>
            <td>Quantity</td>
            <td>Unit Price</td>
            <td>Subtotal</td>
          </tr>
          <tr>
            <td>Laptop</td>
            <td>1</td>
            <td>$1,200.00</td>
            <td>$1,200.00</td>
          </tr>
          <tr>
            <td>Monitor</td>
            <td>1</td>
            <td>$300.00</td>
            <td>$300.00</td>
          </tr>
          <tr>
            <td>Keyboard</td>
            <td>1</td>
            <td>$100.00</td>
            <td>$100.00</td>
          </tr>
          <tr>
            <td>Mouse</td>
            <td>1</td>
            <td>$50.00</td>
            <td>$50.00</td>
          </tr>
          <tr>
            <td>Subtotal</td>
            <td></td>
            <td></td>
            <td>$1,650.00</td>
          </tr>
          <tr>
            <td></td>
            <td></td>
            <td></td>
            <td><button type="button" class="btn btn-primary" onclick="openForm()>Order now</button></td>
          </tr>
        </table>
        <div>Total price: $<span class="total-cart"></span></div>
      </div>
      <div class="modal-footer" onsubmit="return false">
        <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
        <button type="button" onclick="openForm()" class="btn btn-primary">Order now</button>
        <button class="clear-cart btn btn-danger">Clear Cart</button>
      </div>
    </div>
  </div>
</div>

<!-- Form -->


X</button>
      <h3>Billing Address</h3>
      <label for="email"><i class="fa fa-envelope"></i> Email:</label>
      <input type="text" id="email" name="email" placeholder="john@example.com" pattern="^a-z0-9_.%+-+@[a-z0-9.-]+\.[a-z]{2,4}$" required>
      <label for="fname"><i class="fa fa-user"></i> Full Name:</label>
      <input type="text" id="fname" name="firstname" placeholder="John M. Doe" required>
      <label for="adr"><i class="fa fa-address-card-o"></i> Address:</label>
      <input type="text" id="adr" name="address" placeholder="542 W. 15th Street" required>
    </div>
    <div class="col-50">
      <h3>Payment</h3>
      <label for="name">Accepted Cards:</label>
      <div class="icon-container">
        <i class="fa fa-cc-visa" style="color: #navy;"></i>
        <i class="fa fa-cc-amex" style="color: #blue;"></i>
        <i class="fa fa-cc-mastercard" style="color: #red;"></i>
        <i class="fa fa-cc-discover" style="color: #orange;"></i>
      </div>
      <label for="ename">Name on Card:</label>
      <input type="text" id="ename" name="cardname" placeholder="John More Doe" required>
      <label for="cnum">Credit card number:</label>
      <input autocomplete="off" type="text" id="cnum" name="cardnumber" class="input-lg form-control cnum" placeholder="1111-2222-3333-4444" pattern="^1[0-9]{12,8}$">
      <div id="cnum-error"><span style="color: #red;">Card Number should have 12 numbers</span></div>
      <label for="expmonth">Expire Day:</label>
      <input autocomplete="off" type="text" id="expmonth" name="expmonth" class="input-lg form-control expmonth" autocomplete="expmonth" placeholder="**/**" pattern="^([0-9]{2})/([0-9]{2})$">
      <div id="exp_error"><span style="color: #red;">Date expire should be month/year</span></div>
      <label for="cvv">CVV:</label>
      <input autocomplete="off" type="text" id="cvv" name="cvv" class="input-lg form-control cvv" autocomplete="cvv" placeholder="3 digit number" pattern="^1[0-9]{3,0}$">
      <div id="cvv_error"><span style="color: #red;">CVV is 3 length number behind the card</span></div>
    </div>
  </div>
</form>


```

Form showing list product on Cart

Payment Form is hidden before
clicking “Order Now”

Java-script codes:

```
1203 // ****
1204 // Shopping Cart API
1205
1206 function addCart(){
1207 var shoppingCart = function() {
1208 // =====
1209 // Private methods and properties
1210 // =====
1211 cart = [];
1212
1213 // Constructor
1214 function Item(name, price, count, img) {
1215 this.name = name;
1216 this.price = price;
1217 this.count = count;
1218 this.img = img;
1219 }
1220
1221 // Save cart
1222 function saveCart() {
1223 sessionStorage.setItem('shoppingCart', JSON.stringify(cart));
1224 }
1225
1226 // Load cart
1227 function loadCart() {
1228 cart = JSON.parse(sessionStorage.getItem('shoppingCart'));
1229 }
1230 if (sessionStorage.getItem("shoppingCart") != null) {
1231 loadCart();
1232 }
1233
1234
1235 // =====
1236 // Public methods and properties
1237 // =====
1238 var obj = [];
1239
1240 // Add to cart
1241 obj.addItemToCart = function(name, price, count, img) {
1242 for(var item in cart) {
1243 if(cartItem.name === name) {
1244 cartItem.count++;
1245 saveCart();
1246 return;
1247 }
1248 }
1249 var item = new Item(name, price, count, img);
1250 cart.push(item);
1251 saveCart();
1252 }
1253 // Set count from item
1254 obj.setCountForItem = function(name, count) {
1255 for(var i in cart) {
1256 if(cart[i].name === name) {
```

Create the Cart items data by using JSON.

Create the Cart items data by using JSON.

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```
// Set count from item
1254 v obj.setCountForItem = function(name, count) {
1255   for(var i in cart) {
1256     if(cart[i].name === name) {
1257       cart[i].count = count;
1258       break;
1259     }
1260   }
1261 };
1262 // Remove item from cart
1263 v obj.removeItemFromCart = function(name) {
1264   for(var item in cart) {
1265     if(cart[item].name === name) {
1266       cart[item].count--;
1267       if(cart[item].count === 0) {
1268         cart.splice(item, 1);
1269       }
1270     }
1271   }
1272   saveCart();
1273 }
1274
1275 // Remove all items from cart
1276 v obj.removeitemFromCartAll = function(name) {
1277   for(var item in cart) {
1278     if(cart[item].name === name) {
1279       cart.splice(item, 1);
1280     }
1281   }
1282   saveCart();
1283 }
1284
1285 // Clear cart
1286 v obj.clearCart = function() {
1287   cart = [];
1288   saveCart();
1289 }
1290
1291 // Count cart
1292 v obj.totalCount = function() {
1293   var totalCount = 0;
1294   for(var item in cart) {
1295     totalCount += cart[item].count;
1296   }
1297   return totalCount;
1298 }
1299
1300 // Total cart
1301 v obj.totalCart = function() {
1302   var totalCart = 0;
1303   for(var item in cart) {
1304     totalCart += cart[item].price * cart[item].count;
1305   }
1306   return Number(totalCart.toFixed(2));
1307 }
1308
1309 // List cart
1310 v obj.listCart = function() {
1311   var cartCopy = [];
1312   for(i in cart) {
1313     item = cart[i];
1314     itemCopy = {};
1315     for(p in item) {
1316       itemCopy[p] = item[p];
1317     }
1318   }
1319   itemCopy.total = Number(item.price * item.count).toFixed(2);
1320   cartCopy.push(itemCopy);
1321 }
1322
1323 return cartCopy;
1324 }
1325
1326
1327 // cart : Array
1328 // Item : Object/Class
1329 // additemToCart : Function
1330 // removeitemFromCart : Function
1331 // removeitemFromCartAll : Function
1332 // clearCart : Function
1333 // countCart : Function
1334 // totalCart : Function
1335 // listCart : Function
1336 // saveCart : Function
1337 // LoadCart : Function
1338   return obj;
1339 }());
1340
1341
1342 // ****
1343 // Triggers / Events
1344 // ****
1345
1346 v $('.add-to-cart').click(function(event) {
1347   event.preventDefault();
1348   var name = $(this).data('name');
1349   var price = Number($(this).data('price'));
1350   var img = $(this).data('img');
1351   shoppingCart.addItemToCart(name, price, 1, img);
1352   displayCart();
1353 });
1354
1355 // Clear items
1356 v $('.clear-cart').click(function() {
1357   shoppingCart.clearCart();
1358   displayCart();
1359 });
1360
1361
1362 v function displayCart() {
1363   var cartArray = shoppingCart.listCart();
1364   var output = "";
1365   for(var i in cartArray) {
1366     output += <tr>
1367       +`<td>${i}</td>` +`<td>${cartArray[i].name}</td>` +`<td>${cartArray[i].price}</td>` +`<td>${cartArray[i].count}</td>` +`<td>${cartArray[i].img}</td>` +`<td><a href="#" class="remove-item">Remove</a></td>` +`<td><a href="#" class="edit-item">Edit</a></td>` +`<td><a href="#" class="cancel-item">Cancel</a></td>` +`</tr>`;
1368   }
1369   $('#cart-table').html(output);
1370 }
```

Delete, add more items, save items is all in here

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```
1362 function displayCart() {
1363     var cartArray = shoppingCart.listCart();
1364     var output = "";
1365     for(var i in cartArray) {
1366         output += "<tr>
1367             + '<td>' + <img src=' + cartArray[i].img + ' alt=' + cartArray[i].name + '>' + '</td>
1368             + '<td>' + cartArray[i].name + '</td>
1369             + '<td>' + cartArray[i].price + '</td>
1370             + '<td><button class='minus-item input-group-addon btn btn-primary' data-name=' + cartArray[i].name + '>-</button></td>
1371             + '<td><input type='number' class='item-count form-control' data-name=' + cartArray[i].name + '' value=' + cartArray[i].count + '></td>
1372             + '<td><button class='plus-item btn btn-primary input-group-addon' data-name=' + cartArray[i].name + '>+</button></td>
1373             + '<td><button class='delete-item btn btn-danger' data-name=' + cartArray[i].name + '>X</button></td>
1374             + '<td> = '
1375             + '<td>' + cartArray[i].total + '</td>
1376         + '</tr>";
1377     }
1378     $('.show-cart').html(output);
1379     $('.total-cart').html(shoppingCart.totalCart());
1380     $('.total-count').html(shoppingCart.totalCount());
1381 }
1382
1383 // Delete item button
1384
1385 $('.show-cart').on("click", ".delete-item", function(event) {
1386     var name = $(this).data('name');
1387     shoppingCart.removeItemFromCartAll(name);
1388     displayCart();
1389 })
1390
1391 // -1
1392 $('.show-cart').on("click", ".minus-item", function(event) {
1393     var name = $(this).data('name');
1394     shoppingCart.removeItemFromCart(name);
1395     displayCart();
1396 });
1397 })
1398 // +1
1399 $('.show-cart').on("click", ".plus-item", function(event) {
1400     var name = $(this).data('name');
1401     shoppingCart.addItemToCart(name);
1402     displayCart();
1403 })
1404
1405 // Item count input
1406 $('.show-cart').on("change", ".item-count", function(event) {
1407     var name = $(this).data('name');
1408     var count = Number($(this).val());
1409     shoppingCart.setCountForItem(name, count);
1410     displayCart();
1411 });
1412
1413 displayCart();
1414
1415 }
1416
1417 }
```

Show listing product on Cart and functional
Buttons minus/plus items, delete items

4.4.2 Sunglasses/ Contact Lenses Brand Page

From both side, there are similar functional web-page that will be show below. And the page using JSON data to show on.

The screenshot shows a web page for a sunglasses brand. At the top left is a banner featuring two women eating ice cream. To the right of the banner is the brand name "GUCCI". Below the banner is a teal header bar with the text "ALL PRODUCT". On the far left, there is a "Sorting By" dropdown menu with the placeholder "Sort...". Below this, there is a "filter" section with a label "filter_product" and a dropdown menu containing options: "Sort", "Sort Low to High", "Sort High to Low", and "Name".

The main content area displays a grid of six sunglasses products:

- Moira**: \$29.95
- Huntsville**
- Pascagoula**: \$30.99
- Tabitha**
- Uvalde**: \$9.99
- Wharton**

Each product card includes an image, the product name, and the price. The "Huntsville" and "Tabitha" cards are partially visible. A blue arrow points from the text "List product is showed by JSON data" to the "Wharton" card. An orange arrow points from the text "Sorting list has functional organize showing the product by options list." to the "filter" section. A green box labeled "Banner is also displayed by JSON data" surrounds the banner area, and another green box labeled "Via ID brand" surrounds the brand name "GUCCI".

HTML codes:

```

85 <div class="banner2" id="banner">
86   <!-- 
87 </div>
88
89 <div class="title" id="banner">
90   <h1>ALL PRODUCT</h1>
91 </div>
92 <div class="allproduct container">
93   <div class="row">
94     <div class="col-xs-12 filter" style="text-align: right;">
95       <label for="filter_product">Sorting By: </label>
96       <select name="" id="filter_product">
97         <option value="">---Sort---</option>
98         <option value="pricelow">Lower to Higher</option>
99         <option value="pricehigh">Higher to Lower</option>
100        <option value="name">Name</option>
101      </select>
102    </div>
103  </div>
104  <div class="row" id="brand_product">
105    <!-- <div class="col-xs-12 col-md-4 product">
106      <a href="#"></a>
107      <div class="name_product">Gucci</div>
108      <div class="price_product">$19.99</div>
109    </div>
110    <div class="col-xs-12 col-md-4 product">
111      <a href="#"></a>
112      <div class="name_product">Armani</div>
113      <div class="price_product">$19.99</div>
114    </div>
115    <div class="col-xs-12 col-md-4 product">
116      <a href="#"></a>
117      <div class="name_product">Gucci</div>
118      <div class="price_product">$19.99</div>
119    </div>
120    <div class="col-xs-12 col-md-4 product">
121      <a href="#"></a>
122      <div class="name_product">Armani</div>
123      <div class="price_product">$19.99</div>
124    </div>
125    <div class="col-xs-12 col-md-4 product">
126      <a href="#"></a>
127      <div class="name_product">Armani</div>
128      <div class="price_product">$19.99</div>
129    </div>
130    <div class="col-xs-12 col-md-4 product">
131      <a href="#"></a>
132      <div class="name_product">Armani</div>
133      <div class="price_product">$19.99</div>
134    </div>
135  </div>
136 </div>
137
138 <div class="hr">
139   <br>

```

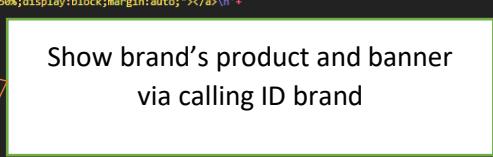
JSON Java-script codes:

```

1  var glass_product = [
2    {
3      //Gucci
4      "IDbrand": "g",
5      "id": "g01",
6      "name_brand": "GUCCI",
7      "name": "Moira",
8      "img": "img//Gucci/_1_gucci.jpg",
9      "img1": "img//Gucci/_1_gucci.jpg",
10     "img2": "img//Gucci/_1.1_gucci.jpg",
11     "img3": "img//Gucci/_1.2_gucci.jpg",
12     "img4": "img//Gucci/_1.3_gucci.png",
13     "imgmodel1": "img//Model//Uvalde1.jpg",
14     "imgmodel2": "img//Model//Uvalde2.jpg",
15     "price": 29.5,
16     "color": "Black", "colorVi": "Đen",
17     "sku": "SUP1040",
18     "frame": "Full", "frameVi": "Đầy",
19     "shape": "Round", "shapeVi": "Tròn",
20     "weight": "20.5g (0.72 oz)",
21     "gender": "Women", "genderVi": "Nữ",
22     "material": "TR90",
23     "progressive": "Yes",
24     "framewidth": "139 mm",
25     "lenuith": "58 mm",
26     "lenseheight": "45 mm",
27     "bridge": "21 mm",
28     "diagonal": "58 mm",
29     "templelength": "152 mm",
30     "description": "The Moira sunglasses bring vintage details and minimalistic influences together to create a cool, casual pair of frames. Throwback touches like the round sh",
31     "descriptionVi": "Kính mát Moira kết hợp các chi tiết cổ điển và ảnh hưởng tối giản lại với nhau để tạo ra một cặp kính mát mè, giản dị. Những nét chấm phá như khung hì",
32     "linkdetail": "docx//Moira.docx"
33   },

```

JSON Data keep a lot of information's product. All information is called by name-tag or id.



729 //get url
730 var res = '';
731 var res1 = '';
732 function getUrl(){
733 var urlID = window.location.href.toString();
734 res = urlID.slice(-3);
735 res1 = urlID.slice(-1);
736 }
737 // SHOW brand
738 function showBrand(){
739 var g = '';
740 for (var v of glass_product){
741 if(v.IDbrand==res1){
742 g += <div class="col-xs-12 col-md-4 product"> +
743 +
744 <div class="name_product">+v.name+</div> +
745 <div class="price_product">+\$+v.price+</div> +
746 <div> +
747 \$(title).html(v.name_brand);
748 }
749 }
750 \$("#brand_product").html(g);
751 }
752 }
753
754 // Show direction
755 function showDirection(){
756 var dr = '';
757 for(var v of glass_product){
758 if(v.id==res){
759 dr += HOME /<a> +
760 +v.name_brand+ /<a> +
761 +v.name+;
762 }
763 }
764 \$("#direction").html(dr);
765 }
766
767 // Show Banner
768 function showBanner(){
769 var ban = '';
770 if(res1 == 'g'){
771 ban += ;
772 \$("#banner").html(ban);
773 }
774 else if(res1 == 'k'){
775 ban += ;
776 \$("#banner").html(ban);
777 }
778 else if(res1 == 'l'){
779 ban += ;
780 \$("#banner").html(ban);
781 }
782 else if(res1 == 'n'){
783 ban += ;
784 }
785 }
786 }
787

Show brand's product and banner via calling ID brand

```

1105 ✓ function GetSortOrderBest(prop){
1106   return function(a,b){
1107     if( a[prop] < b[prop]){
1108       return 1;
1109     }else if( a[prop] > b[prop] ){
1110       return -1;
1111     }
1112     return 0;
1113   }
1114 }
1115
1116 ✓ function sortJSONBy(para1,para2)
1117 {
1118   if(para2=='1')
1119   {
1120     glass_product.sort( GetSortOrderCheap(para1) );
1121   }
1122   else
1123   {
1124     glass_product.sort( GetSortOrderBest(para1) );
1125   }
1126   var a = '';
1127   for (var v in glass_product)
1128   {
1129     if(glass_product[v].IDbrand==res1)
1130     {
1131       a += '<div class="col-xs-12 col-md-4 product">' +
1132         '<a href="glass_product.html?key=' + glass_product[v].id + '></a>' + '\n' +
1133         '<div class="name_product">' + glass_product[v].name + '</div>\n' +
1134         '<div class="price_product">' + '$ ' + glass_product[v].price + '</div>\n' +
1135         '</div>';
1136     }
1137   }
1138   $('#brand_product').html(a);
1139 }
1140
1141 ✓ $(document).ready(function(){
1142   $('#filter_product').on('change', function() {
1143     switch ($('#filter_product').val())
1144     {
1145       case 'pricelow':
1146         sortJSONBy('price','1');
1147         break;
1148       case 'pricehigh':
1149         sortJSONBy('price','2');
1150         break;
1151       case 'name':
1152         sortJSONBy('name','1');
1153         break;
1154       default:
1155         sortJSONBy('id','1');
1156     }
1157   });
1158 }

```

Sorting Product List Dropdown

4.4.3 Sunglasses/Contact Lenses Detail Page

All data on this page are showed by using JSON data include buttons and links.

4.4.3.1 Add To Cart Button

Click add item to cart then product will save in Cart on the top page

JSON Java-scripts codes:

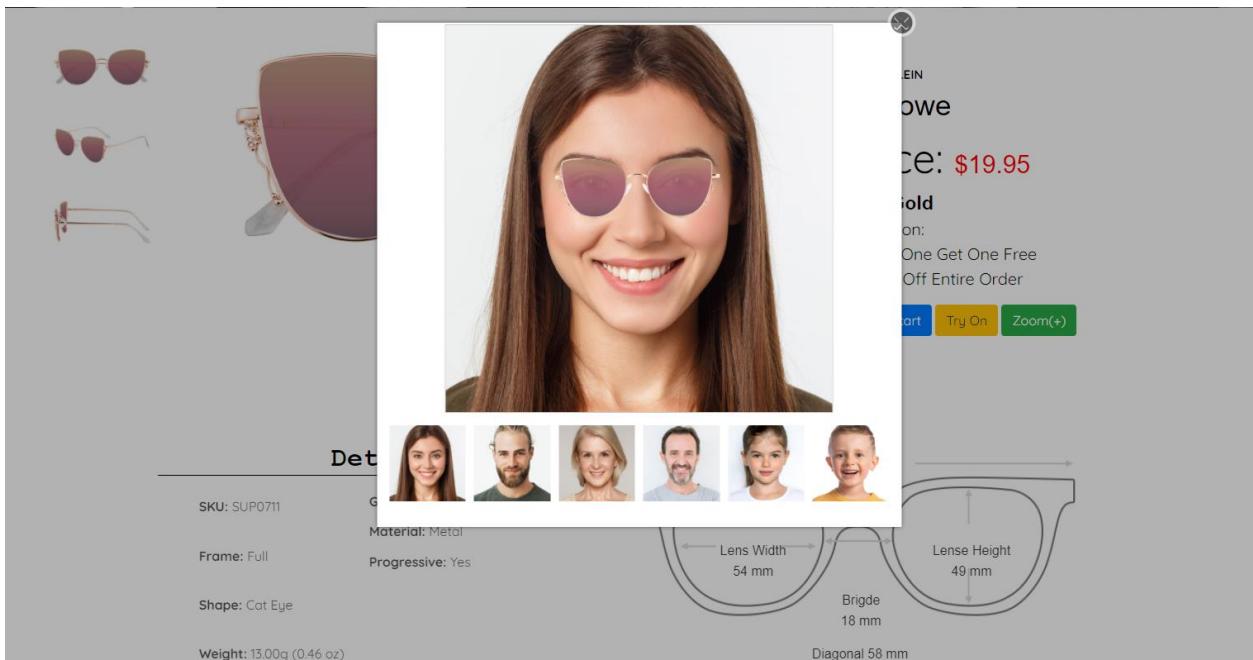
```

789 77.SHOW_SIMILAR_PRODUCT()
790 789 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845
function showProduct(){
  var gc = '';
  for (var v of glass_product) {
    if(v.id==res){
      $('title').html(v.name);
      GC = v;
      <div class="row">+
        <div class="image col-xs-12 col-md-8 col-lg-8">+
          <div class="row">+
            <div class="col-xs-2 col-md-2 small_img">+
              <ul>+
                <li></li>+
                <li></li>+
                <li></li>+
              </ul>+
            </div>+
          <div class="col-xs-10 main_img">+
            
          </div>+
        </div>+
      <div class="col-xs-12 col-md-4 col-lg-4 id="details">+
        <div class="name_product">+v.name_brand+</div>+
        <span class="small_name">+v.name+</span>+
        <div class="price">Price: <span>+$+v.price</span></div>+
        <div class="color">Color: <span>+v.color+</span></div>+
        <div class="product_promotion">+
          <ul>Promotion:>
            <li>Buy One Get One Free</li>+
            <li>30% OFF Entire Order</li>+
          </ul>+
        </div>+
        <a href="#" data-name="+v.name+" data-price="'+v.price+'" data-img="'+v.img+'" class="add-to-cart btn btn-primary">Add to cart</a>+
        <button class="btn btn-warning" onclick="showItryon()>Try On</button>+
        <button class="btn btn-success" onclick="zoomImg()>Zoom(</button>+
      </div>+
    </div>+
  </div>+
<div class="content">+
  <div class="left">+
    <div class="col-md-6 col-lg-6 col-xs-12">+
      <h2>Details</h2>+
      <div class="details_product">+
        <ul class="left">+
          <li><b>SKU:</b> +v.sku+</li>+
          <li><b>Frame:</b> +v.frame+</li>+
          <li><b>Shape:</b> +v.shape+</li>+
          <li><b>Weight:</b> +v.weight+</li>+
        </ul>+
        <ul class="right">+
          <li><b>Gender:</b> +v.gender+</li>+
          <li><b>Material:</b> +v.material+</li>+
          <li><b>Progressive:</b> +v.progressive+</li>+
        </ul>+
      </div>+
    </div>+
  </div>+
</div>

```

4.4.3.2 Try On Button

This functional button is only showed on Sunglasses detail's product. Contact lenses page does not have this function.



JSON Java-script codes:

```

1448 //changeTryon
1449 ✓ function changeTryon(id) {
1450     let imgPath = document.getElementById(id).getAttribute('src');
1451     document.getElementById('imgMask').setAttribute('src',imgPath);
1452 }
1453
1454 ✓ function moveGlasses() {
1455
1456     // Try on
1457     // For each item with a "window" class...
1458     var windows = document.querySelectorAll('.imgContainer');
1459     [].forEach.call(windows,function(win){
1460
1461         //...find the title bar inside it and do something onmousedown
1462         var title = win.querySelector('.imgClass');
1463         title.addEventListener('mousedown',function(evt){
1464
1465             // Record where the window started
1466             var real = window.getComputedStyle(win),
1467                 winX = parseFloat(real.left),
1468                 winY = parseFloat(real.top);
1469
1470             // Record where the mouse started
1471             var mx = evt.clientX,
1472                 my = evt.clientY;
1473
1474             // When moving anywhere on the page, drag the window
1475             // ...until the mouse button comes up
1476             document.body.addEventListener('mousemove',drag,false);
1477             document.body.addEventListener('mouseup',function(){
1478                 | document.body.removeEventListener('mousemove',drag,false);
1479             },false);
1480
1481             // Every time the mouse moves, we do the following
1482             function drag(evt){
1483                 // Add difference between where the mouse is now
1484                 // versus where it was last to the original positions
1485                 win.style.left = winX + evt.clientX-mx + 'px';
1486                 win.style.top = winY + evt.clientY-my + 'px';
1487             };
1488         },false);
1489     });
1490 }
1491
1492 //changeGlassesTryon
1493 ✓ function changeGlassesTryon() {
1494     var tryon = '';
1495     for(var i of glass_product){
1496         if(res == i.id){
1497             tryon +=`<div class="list-img-tryon">\n`+
1498             `| <div class="close" style="text-align: center;"><i class="fas fa-times" onclick="offTryon()"></i></div>\n`+
1499             `| <div class="img-list">\n`+
1500             `|   <div class="img-main">\n`+
1501             `|     <div class="up-img">\n`+
1502             `|       \n`+
1503         }
1504     }
1505 }

```



4.4.3.3 Zoom Button



JSON Java-script codes:

```
1714  /*zoom image*/
1715  <function zoomImg() {
1716    $(function(){
1717      $('#img_main').imagezoomsl({
1718        zoomrange:[2.7]
1719      });
1720    })
1721  }
1722 }
```

There must be add zoomsl.min.js file in folder to use this function and it can be download on online library.

| 0; zoomsl.min.js

4.4.3.4 Information Detail Of Product With Download Document Links

Details

SKU: SUP0711	Gender: Women
Frame: Full	Material: Metal
Shape: Cat Eye	Progressive: Yes
Weight: 13.00g (0.46 oz)	
Description: Marlowe's flirty cat-eye shape and pink mirrored lenses are a year-round must have. Featuring adjustable nose pads and metal frame for a lightweight, barely there feel.	
OUR RECOMMENDATION: We love a good cateye frame on diamond and oval face shapes! Of course, you know yourself best, so if you like them, we're positive you can rock them!	

[Click here to download details of product](#)

Frame Width 138 mm
Lens Width 54 mm
Lense Height 49 mm
Bridge 18 mm
Diagonal 58 mm
Temple Length 144 mm

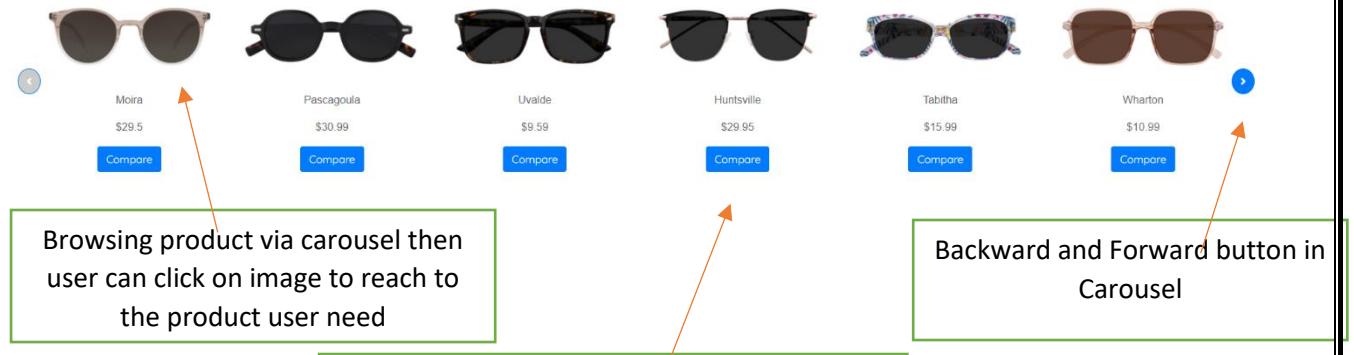
JSON java-scrips codes:

```

838     +
839     +           <li><b>Weight: </b> '+v.weight+'</li>'+
840     +       </ul>+
841     +       <ul class="right">+
842     +         <li><b>Gender:</b> '+v.gender+'</li>'+
843     +         <li><b>Material:</b> '+v.material+'</li>'+
844     +         <li><b>Progressive:</b> '+v.progressive+'</li>'+
845     +       </ul>+
846     +       <span>Description</span>+
847     +       <p>'+v.description+'</p>+
848     +       <a style="font-weight: bold;font-size:20px" href="'+v.linkdetail+'" download="">Click here to download details of product</a>+
849     +     </div>+
850     +   <div class="col-md-6 col-lg-6 col-xs-12">+
851     +     <div class="vector_product">+
852     +       <div class="p1">+
853     +         <span>Frame Width</span><br>+
854     +         <span>'+v.framework+'</span>+
855     +       </div>+
856     +       <div class="p2">+
857     +         <span>Lens Width</span><br>+
858     +         <span>'+v.lenwidth+'</span>+
859     +       </div>+
860     +       <div class="p3">+
861     +         <span>Lense Height</span><br>+
862     +         <span>'+v.lenseheight+'</span>+
863     +       </div>+
864     +       <div class="p4">+
865     +         <span>Bridge</span><br>+
866     +         <span>'+v.bridge+'</span>+
867     +       </div>+
868     +       <div class="p5">+
869     +         <span>Diagonal '>'+v.diagonal+'</span>+
870     +       </div>+
871     +       <div class="p6">+
872     +         <span>Temple Length '>'+v.templelength+'</span>+
873     +       </div>+
874     +       +
875     +     </div>+
876     +   </div>+
877     + </div>;
878   }
879 }
880 $("#product_details").html(gc);
881 }
882 }
883 }
```

4.4.3.5 Carousel / Similar Product And Compare Product

SIMILAR PRODUCT



Compare button will show the product user want to compare with the current product on the page. Then it will show comparation table on below

COMPARE PRODUCT	
<p>Name : Marlowe Price: \$19.95 Color: Gold SKU: SUP0711 Frame: Full Shape: Cat Eye Weight: 13.00g (0.46 oz) Gender: Women Material: Metal Progressive: Yes Frame Width: 138 mm Lens Width: 54 mm Lense Heigh: 49 mm Brigde: 18 mm Diagonal: 58 mm Temple Length: 144 mm</p>	<p>Name : Huntsville Price: \$29.95 Color: Black SKU: SUP1077 Frame: Full Shape: Classic Wayframe Weight: 13.1g (0.46 oz) Gender: Women Men Material: Metal Progressive: Yes Frame Width: 141 mm Lens Width: 52 mm Lense Heigh: 43 mm Brigde: 20 mm Diagonal: 53 mm Temple Length: 146 mm</p>

JSON java-scripts codes:

```

908 v function CarouselSimilar(){
909   $document.ready(function () {
910     var itemsMainDiv = ('.MultiCarousel');
911     var itemsDiv = ('.MultiCarousel-inner');
912     var itemWidth = "";
913
914     $('.leftList, .rightList').click(function () {
915       var condition = $(this).hasClass("leftList");
916       if (condition)
917         click(0, this);
918       else
919         click(1, this);
920     });
921
922     ResCarouselSize();
923
924
925     $(window).resize(function () {
926       ResCarouselSize();
927     });
928
929
930 //this function define the size of the items
931   function ResCarouselSize() {
932     var incno = 0;
933     var dataItems = ("data-items");
934     var itemClass = ('item');
935     var id = 0;
936     var btnParentSb = '';
937     var itemSplit = '';
938     var sampwidth = $(itemsMainDiv).width();
939     var bodyWidth = $(body).width();
940     $(itemsDiv).each(function () {
941       id = id + 1;
942       var itemNumbers = $(this).find(itemClass).length;
943       btnParentSb = $(this).parent().attr(dataItems);
944       itemSplit = btnParentSb.split(',');
945       $(this).parent().attr("id", "MultiCarousel" + id);
946
947
948       if (bodyWidth >= 1200) {
949         incno = itemSplit[3];
950         itemWidth = sampwidth / incno;
951       }
952       else if (bodyWidth > 992) {
953         incno = itemSplit[2];
954         itemWidth = sampwidth / incno;
955       }
956       else if (bodyWidth >= 768) {
957         incno = itemSplit[1];
958         itemWidth = sampwidth / incno;
959       }
960       else {
961         incno = itemSplit[0];
962         itemWidth = sampwidth / incno;
963       }
964     });
965     $(this).css('transform': 'translateX(0px)', 'width': itemWidth * itemNumbers);
966
967   //this function used to move the items
968   function ResCarousel(e, el, s) {
969     var leftBtn = ('.leftList');
970     var rightBtn = ('.rightList');
971     var translateVal = '';
972     var divStyle = $el + ' ' + itemsDiv.css('transform');
973     var values = divStyle.match(/-?[\d.]+g/);
974     var xds = Math.abs(values[4]);
975     if (e == 0) {
976       translateVal = parseInt(xds) - parseInt(itemWidth * s);
977       $el + ' ' + rightBtn.removeClass("over");
978
979       if (translateVal <= itemWidth / 2) {
980         translateVal = 0;
981         $el + ' ' + leftBtn.addClass("over");
982       }
983     }
984     else if (e == 1) {
985       var itemsCondition = $(el).find(itemsDiv).width() - $(el).width();
986       translateVal = parseInt(xds) + parseInt(itemWidth * s);
987       $el + ' ' + leftBtn.removeClass("over");
988
989       if (translateVal >= itemsCondition - itemWidth / 2) {
990         translateVal = itemsCondition;
991         $el + ' ' + rightBtn.addClass("over");
992       }
993     }
994     $el + ' ' + itemsDiv.css('transform', 'translateX(' + -translateVal + 'px)');
995
996   //It is used to get some elements from btn
997   function click(el, ee) {
998     var Parent = "#" + $(ee).parent().attr("id");
999     var slide = $(Parent).attr("data-slide");
1000     ResCarousel(el, Parent, slide);
1001   }
1002
1003   });
1004 }
1005
1006 //It is used to get some elements from btn
1007 function click(el, ee) {
1008   var Parent = "#" + $(ee).parent().attr("id");
1009   var slide = $(Parent).attr("data-slide");
1010   ResCarousel(el, Parent, slide);
1011 }
1012
1013 });
1014 }
1015

```

Get product data from JSON and set up the functional carousel such as move forward, backward button.

```

1017 // show similarCarousel
1018 var cau = '';
1019 for(var i of glass_product){
1020   cau +=`<div class="item">\n`+
1021     `  <div class="pad15" style="text-align: center;">\n`+
1022     `    <a href="#"><a href="glass_product.html?key1=${i.id}">\n`+
1024     `      ${i.price}</span><i>${i.price}</i></span>\n`+
1025     `      ${i.color}</span><i>${i.color}</i></span>\n`+
1026     `      ${i.SKU}</span><i>${i.SKU}</i></span>\n`+
1027     `      ${i.Frame}</span><i>${i.Frame}</i></span>\n`+
1028     `      ${i.Shape}</span><i>${i.Shape}</i></span>\n`+
1029     `      ${i.Weight}</span><i>${i.Weight}</i></span>\n`+
1030     `      ${i.Gender}</span><i>${i.Gender}</i></span>\n`+
1031     `      ${i.Material}</span><i>${i.Material}</i></span>\n`+
1032     `      ${i.Progressive}</span><i>${i.Progressive}</i></span>\n`+
1033     `      ${i.FrameWidth}</span><i>${i.FrameWidth}</i></span>\n`+
1034     `      ${i.LensWidth}</span><i>${i.LensWidth}</i></span>\n`+
1035     `      ${i.LensHeight}</span><i>${i.LensHeight}</i></span>\n`+
1036     `      ${i.Bridge}</span><i>${i.Bridge}</i></span>\n`+
1037     `      ${i.Diagonal}</span><i>${i.Diagonal}</i></span>\n`+
1038     `      ${i.TempleLength}</span><i>${i.TempleLength}</i></span>\n`+
1039   `)</div>\n`+
1040 `#carousel").html(cau);
1041
1042 //product compare right
1043 function compareRight() {
1044   var coml ='';
1045   for(var i of glass_product){
1046     if(i.id == res){
1047       coml +=
1048         `<a href="#"></a>\n`+
1049         `<p>Name : <span>${i.name}</span></p>\n`+
1050         `<p>Price : <span>${i.price}</span></p>\n`+
1051         `<p>Color : <span>${i.color}</span></p>\n`+
1052         `<p>SKU : <span>${i.SKU}</span></p>\n`+
1053         `<p>Frame : <span>${i.Frame}</span></p>\n`+
1054         `<p>Shape : <span>${i.Shape}</span></p>\n`+
1055         `<p>Weight: <span>${i.Weight}</span></p>\n`+
1056         `<p>Gender: <span>${i.Gender}</span></p>\n`+
1057         `<p>Material: <span>${i.Material}</span></p>\n`+
1058         `<p>Progressive: <span>${i.Progressive}</span></p>\n`+
1059         `<p>Frame Width: <span>${i.FrameWidth}</span></p>\n`+
1060         `<p>Lens Width: <span>${i.LensWidth}</span></p>\n`+
1061         `<p>Lense Height: <span>${i.LensHeight}</span></p>\n`+
1062         `<p>Bridge: <span>${i.Bridge}</span></p>\n`+
1063         `<p>Diagonal: <span>${i.Diagonal}</span></p>\n`+
1064         `<p>Temple Length: <span>${i.TempleLength}</span></p>\n`+
1065       `#left").html(coml);
1066     }
1067   }
1068 }
1069
1070 function showCompare(comid) {
1071   var comr = '';
1072   for(var v of glass_product){
1073     if(v.id == comid)
1074     {
1075       comr +=
1076         `<a href="glass_product.html?key1=${v.id}"></a>\n`+
1077         `<p>Name : <span>${v.name}</span></p>\n`+
1078         `<p>Price : <span>${v.price}</span></p>\n`+
1079         `<p>Color: <span>${v.color}</span></p>\n`+
1080         `<p>SKU: <span>${v.SKU}</span></p>\n`+
1081         `<p>Frame : <span>${v.Frame}</span></p>\n`+
1082         `<p>Shape : <span>${v.Shape}</span></p>\n`+
1083         `<p>Weight: <span>${v.Weight}</span></p>\n`+
1084         `<p>Gender: <span>${v.Gender}</span></p>\n`+
1085         `<p>Material: <span>${v.Material}</span></p>\n`+
1086         `<p>Progressive: <span>${v.Progressive}</span></p>\n`+
1087         `<p>Frame Width: <span>${v.FrameWidth}</span></p>\n`+
1088         `<p>Lens Width: <span>${v.LensWidth}</span></p>\n`+
1089         `<p>Lense Height: <span>${v.LensHeight}</span></p>\n`+
1090         `<p>Bridge: <span>${v.Bridge}</span></p>\n`+
1091         `<p>Diagonal: <span>${v.Diagonal}</span></p>\n`+
1092         `<p>Temple Length: <span>${v.TempleLength}</span></p>\n`+
1093     }
1094   }
1095   `#right").html(comr);
1096 }
1097
1098
1099
1100
1101

```

4.4.3.6 Review And Feedback Product

Review

Your Name:
abc

★★★★★

abc

Review

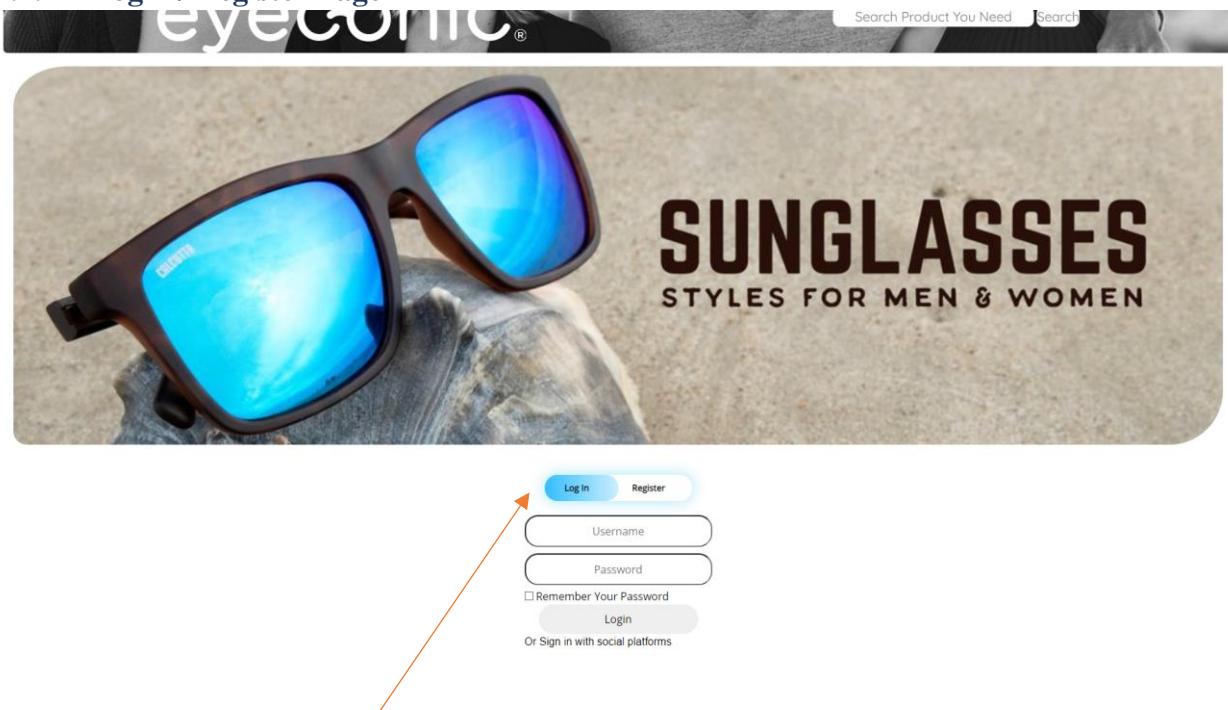
Name: abc
Rating: 4★
Comment: abc

JSON Java-scripts codes:

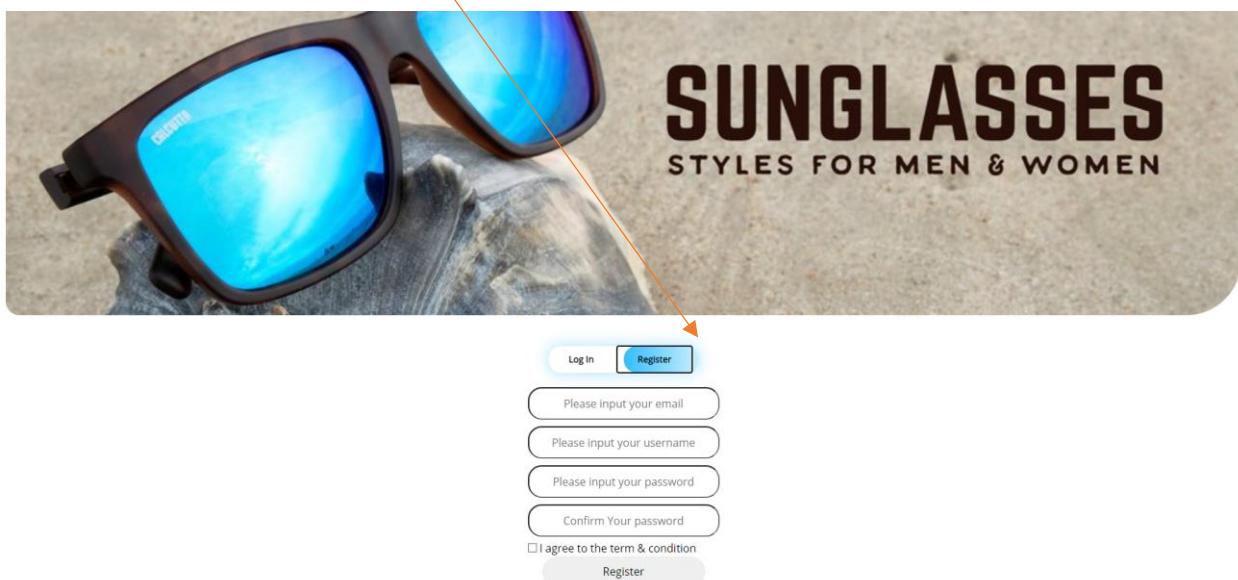
```
590) //show comment
591 var x = '';
592 
593 <function showComment(){
594     event.preventDefault();
595     var uname= $('#name_user').val();
596     var ucom = $('#review_user').val();
597     var urate = $("input[name='rate']:checked").val();
598     x += "Name: "+uname+"\r\n"+Rating: "+"*"+urate+"*"+Comment: "+" "+ucom+"\r\n";
599     $("#show_comment").html(x);
600     return false
601 }
602
603
604
```



4.4.4 Login / Register Page



On this page, user can do multi-task such as login and register just by click slider button to switch the task. All inputs have validated function



HTML codes:

```

88 <div class="form-box">
89   <div class="button-box">
90     <div id="btn"></div>
91     <button type="button" class="toggle-button" onclick="loginpage()>Log In</button>
92     <button type="button" class="toggle-button" onclick="registerpage()>Register</button>
93   </div>
94   <form onsubmit="return validatedLogin()" id="login" action="index.html" class="input-form" name="login">
95     <input autocomplete="off" type="text" class="input-field" placeholder="Username" name="uname" id="uname" value="">
96     <div id="username_error"><span style="color: red;">Please fill up correct your Username should be equal or above 6 characters</span></div>
97     <input autocomplete="off" type="password" class="input-field" placeholder="Password" name="pass" id="pass" value="">
98     <div id="password_error"><span style="color: red;">Please fill up correct your Password should be equal or above 6 characters</span></div>
99     <input type="checkbox" class="check-box" checked="checked" value="remember"> Remember Your Password</span>
100    <button type="submit" class="submit-btn">Login</button>
101    <p class="social-text">Or Sign in with social platforms</p>
102    <div class="social-links">
103      <a href="#" class="fa fa-facebook"></a>
104      <a href="#" class="fa fa-twitter"></a>
105      <a href="#" class="fa fa-telegram"></a>
106      <a href="#" class="fa fa-instagram"></a>
107    </div>
108  </form>
109
110  <!-- {{users.json}} -->
111  <form onsubmit="return validateRegister()" id="register" action="login.html" class="input-form">
112    <input autocomplete="off" type="email" class="input-field" placeholder="Please input your email" value="" name="email" pattern="^\\w+@\\w{2,6}.com" required>
113    <input autocomplete="off" type="text" class="input-field" placeholder="Please input your username" name="username" value="">
114    <div id="usernameR_error"><span style="color: red;">Please fill up correct your Username should be equal or above 6 characters</span></div>
115    <input autocomplete="off" type="password" class="input-field" placeholder="Please input your password" name="passwordRe" value="">
116    <div id="passwordR_error"><span style="color: red;">Please fill up correct your Username should be equal or above 6 characters</span></div>
117    <input autocomplete="off" type="password" class="input-field" placeholder="Confirm Your password" name="passwordMa" value="">
118    <div id="password_error_matching"><span style="color: red;">Your password is not matching</span></div>
119
120    <input type="checkbox" class="check-box" required><span> I agree to the term & condition</span>
121    <button type="submit" class="submit-btn">Register</button>
122  </form>
123 </div>
124 </div>
125 </div>
126 </div>
127

```

Java-scripts codes:

```

var uname = document.forms['login']['uname'];
var password = document.forms['login']['pass'];

var uname_error = document.getElementById('username_error');
var pass_error = document.getElementById('password_error');

uname.addEventListener('textInput',uname_Verify);
pass.addEventListener('textInput',pass_Verify)

function validatedLogin()
{
  if(uname.value.length <6)
  {
    uname.style.border = "1px solid red";
    uname_error.style.display= "block";
    uname.focus();
    return false;
  }
  if(password.value.length <6)
  {
    password.style.border = "1px solid red";
    pass_error.style.display='block';
    password.focus();
    return false;
  }
  else
  {
    alert("Login Success! Welcome to homepage")
    return true;
  }
}

function uname_Verify(){
  if(uname.value.length >=5)
  {
    uname.style.border = "1px solid silver";
    uname_error.style.display= "none";
    return true;
  }
}

function pass_Verify(){
  if(uname.value.length >=5)
  {
    password.style.border = "1px solid silver";
    pass_error.style.display= "none";
    return true;
  }
}

function validateRegister()
{
  if(username.value.length <6 || username.value == "")
  {
    username.style.border = "1px solid red";
    usernameR_error.style.display= "block";
    username.focus();
    return false;
  }
  if(passwordRe.value.length <6 || passwordRe.value == "")
  {
    passwordRe.style.border = "1px solid red";
    passwordR_error.style.display= "block";
    passwordRe.focus();
    return false;
  }
  if(passwordMa.value != passwordRe.value || passwordMa.value == "")
  {
    passwordMa.style.border = "1px solid red";
    password_error_matching.style.display= "block";
    passwordMa.focus();
    return false;
  }
  else
  {
    alert("Register Success! Please login to homepage")
    return true;
  }
}

function username_Verify(){
  if(username.value.length >=5)
  {
    username.style.border = "1px solid silver";
    usernameR_error.style.display= "none";
    return true;
  }
}

function passRe_Verify(){
  if(passwordRe.value.length >=5)
  {
    passwordRe.style.border = "1px solid silver";
    passwordR_error.style.display= "none";
    return true;
  }
}

function passMa_Verify(){
  if(passwordMa.value == passwordRe.value || passwordMa.value != "")
  {
    passwordMa.style.border = "1px solid silver";
    password_error_matching.style.display= "none";
    return true;
  }
}

```

4.4.5 Services Page

Virtual Shopping Consultation

Meet our personal shopper who will guide you through the newest trends and will help you find the frame that best fits your style.

Options' Shopping

Choose Your Ways To Shopping

Our Perfect Pair Promise

Where We Keeping Our Promises With Customers

Pick Up In Store

There's a new service in town! Select your convenient pickup store. Most in-stock items are available for pickup in just 2 business hours. Just follow these simple steps:

Find In Store

Want to check if your style is available at a store near you? Just follow these simple steps:

Call And Reserve

Want to check if your style is available at a store near you? Just follow these simple steps:

OUR PERFECT PAIR PROMISE

REPLACEMENT COVERAGE 365
2. PERFECT FIT
3. FREE AND EASY RETURNS
4. ASSURED QUALITY
5. CUSTOM CLEANING

All Eyeconic Members get 10% off a new pair if they damage their shades within one year.

Join Eyeconic's Club
Subscribe To Our Newsletter And Get Exclusive Access To The Latest Trends, Sales And Special Offers.

COMMENTS

What People Says About Us

Justin Bieber

"I really enjoyed styling these glasses. The design is very sleek and gives me good clarity. It's super light and the anti-reflective coating is total bliss to my eyes"

Donald.J.Trump

"Love Eyeonic glasses! Stylish and sturdy."

Aishwarya Rai

"Absolutely love the variety on Eyeonic website, great eyewear"

Cristiano Ronaldo

"Eyeonic makes some of the most stylish eyewear. Their quality considering their prices is unmatched in Viet Nam, truly my go-to brand for eyewear"

Lionel Messi

"I am impressed with the massive collection at Eyeonic eyewear. Finding the right pair for my face shape was super fun and easy"

Show review of customer and their feedback on service. Also, user can leave the email in register for upcoming news from website

Register For New Letters()

Please fill in this form.

Email

Register

Already have an account? [Sign in.](#)

Customer Benefit Packages()

Choose The Package That You Like.

Basic	Pro	Premium
\$ 9.99 / year	\$ 24.99 / year	\$ 49.99 / year
10 Coupons	15 Coupons	25 Coupons
0 Free Frames	1 Free Frams	2 Free Frames
2 Free Cleaning	3 Free Cleaning	5 Free Cleaning
1 Freeshipping	2 Freeshipping	5 Freeshipping
Sign Up	Sign Up	Sign Up

Customer Benefit Packages()

Choose The Package That You Like.

Basic	Pro	Premium
\$ 9.99 / year	\$ 24.99 / year	\$ 49.99 / year
10 Coupons	15 Coupons	25 Coupons
0 Free Frames	1 Free Frams	2 Free Frames
2 Free Cleaning	3 Free Cleaning	5 Free Cleaning
1 Freeshipping	2 Freeshipping	5 Freeshipping
Sign Up	Sign Up	Sign Up

Customer Benefit Packages()

Choose The Package That You Like.

Basic	Pro	Premium
\$ 9.99 / year	\$ 24.99 / year	\$ 49.99 / year
10 Coupons	15 Coupons	25 Coupons
0 Free Frames	1 Free Frams	2 Free Frames
2 Free Cleaning	3 Free Cleaning	5 Free Cleaning
1 Freeshipping	2 Freeshipping	5 Freeshipping
Sign Up	Sign Up	Sign Up

Make the user can buy the bundle package of services. After that, user can sign up account when click on "Sign Up" then the site moves to register page

4.4.6 About Us / Contact Us



Our Vision

At EyeonicStore.com, our client-oriented philosophy makes your visual needs our first priority. We have created a culture of integrity and honesty, so you can shop with confidence.

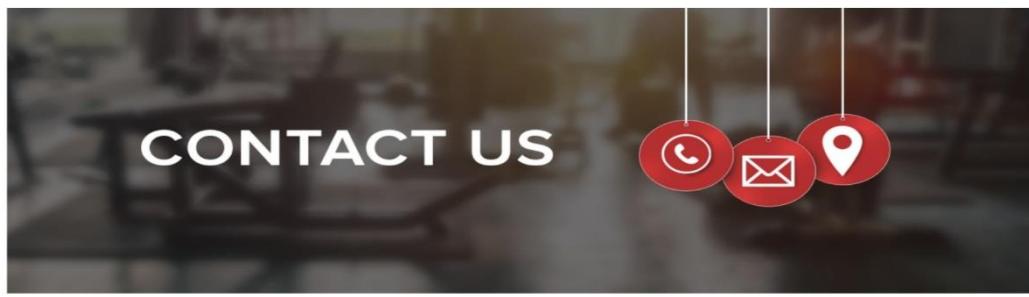
- Our company strives to ensure all clients will have the best possible customer experience.
- Our frame sourcing and quality control protocols give you the best online selection of unbeatable-priced eyeglasses anywhere.
- Our Quality Assurance optical technicians will inspect your eyeglasses extensively before they are delivered.
- Our prescription eyeglasses frames and sunglasses come with a 90-day quality guarantee.
- Our international logistic centers allow us to provide the most stylish top quality eyeglasses at unbeatable prices to customers around the world. From our integrated, centralized international distribution center, we are able to ship orders

Our Story

Eyeonic Store is an American owned(Address: 36929 SCHOOLCRAFT RD LIVONIA, MI 48150, US) and operated online retailer of eyeglasses. Since the website launch in 2004, we have delivered over a million pairs of eyeglasses while maintaining our standard of providing the highest quality at affordable prices.

We are a group of eye doctors that understands your struggle with the high cost of eyeglasses. We strive to make your experience with EyeonicStore.com one that is not only user-friendly but also professional and reliable. Being able to deliver superior eyeglasses at an unbelievably-low price has allowed us to help people all over the world see clearly and, in turn, has provided our team with a more rewarding experience than we could have ever anticipated. We guarantee your satisfaction.





CONTACT INFORMATION

Call Us:

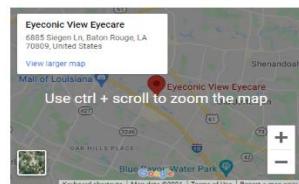
1.800.556.926

Email:

Eyeonic@gmail.com or Eyeonic@services.com.us

📍 Our First Store:

6885 Siegen Ln, Baton Rouge, LA 70809, United States



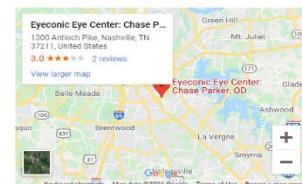
📍 Our Second Store:

12261 US 49 Suite 2, Gulfport, MS 39503, United States



📍 Our Third Store:

1300 Antioch Pike, Nashville, TN 37211, United States



AI Geolocation by Google map help user easy to find store location.

Send Us a Message

Full Name
Email
Your Phone Number
Subject
Message
Submit

User can leave the message via input the form and message then submit

HTML Codes :

```

85 <div class="contact-wrap container">
86   <div class="contact-wrap">
87     <div class="contact-in">
88       <h1>Contact Information</h1>
89       <h2><i class="fa fa-phone" aria-hidden="true"></i> Call Us:</h2>
90       <p>1.800.556.926</p>
91       <h2><i class="fa fa-envelope" aria-hidden="true"></i> Email:</h2>
92       <a href="mailto:Eyeonic@gmail.com"><b>Eyeonic@gmail.com or Eyeonic@services.com.us</b></a>
93     </div>
94
95   <div class="contact-in-google col-xs-12 col-lg-12">
96     <div class="row">
97       <div class="address col-xs-12 col-lg-3">
98         <h2 style="font-size: 30px; font-weight: bold; color: #brown;"><i class="fa fa-map-marker" aria-hidden="true"></i> Our First Store:</h2>
99         <p>6885 Siegen Ln, Baton Rouge, LA 70809, United States</p>
100        <iframe src="https://www.google.com/maps/embed?pb=ImI81m12!1m3!1d32738.1224597237!2d-91.0884743865135!1d30.402883465875682!2m3!1f0!2f0!3f0!3m2!1i1024!2i768"></iframe>
101      </div>
102      <div class="address col-xs-12 col-lg-3">
103        <h2 style="font-size: 30px; font-weight: bold; color: #brown;"><i class="fa fa-map-marker" aria-hidden="true"></i> Our Second Store:</h2>
104        <p>12261 US 49 Suite 2, Gulfport, MS 39503, United States</p>
105        <iframe src="https://www.google.com/maps/embed?pb=ImI81m12!1m3!1d65431.547992866486!2d-89.14585543899902!3d38.46947563!103956!2m3!1f0!2f0!3f0!3m2!1i1024!2i768"></iframe>
106      </div>
107      <div class="address col-xs-12 col-lg-3">
108        <h2 style="font-size: 30px; font-weight: bold; color: #brown;"><i class="fa fa-map-marker" aria-hidden="true"></i> Our Third Store:</h2>
109        <p>1300 Antioch Pike, Nashville, TN 37211, United States</p>
110        <iframe src="https://www.google.com/maps/embed?pb=ImI81m12!1m3!1d122692.45751374327!2d-86.02303464877188!3d36.0907020602183!2m3!1f0!2f0!3f0!3m2!1i1024!2i768"></iframe>
111      </div>
112    </div>
113  </div>
114</div>
115<div class="contact-message">
116   <h3>Send Us a Message:</h3>
117   <form>
118     <input type="text" placeholder="Full Name">
119     <input type="text" placeholder="Email">
120     <input type="text" placeholder="Your Phone Number">
121     <input type="text" placeholder="Subject">
122     <textarea placeholder="Message"></textarea>
123     <button type="submit" value="SUBMIT" class="contact-in-btn">Submit</button>
124   </form>
125 </div>
126 </div>
127 </div>
128

```

4.4.7 Footer/ Bootstrap Layout

Use bootstrap layout we created simple footer with social links animation.

HTML codes:

```

130 <div class="container">
131   <div class="footer">
132     <div class="row">
133       <div class="col-lg-3 col-md-6">
134         <div class="footer-widget">
135           <h2>Get in Touch</h2>
136           <div class="contact-info">
137             <p>MON-FRI 9AM - 5PM</p>
138             <p><i class="fa fa-map-marker"></i> 123 Eyeonic Store, L A, Vietnam</p>
139             <p><i class="fa fa-envelope"></i>: eyeonicstore@gmail.com</p>
140             <p><i class="fa fa-phone"></i>: 1.800.556.926</p>
141         </div>
142       </div>
143     </div>
144
145     <div class="col-lg-3 col-md-6">
146       <div class="footer-widget">
147         <h2>Follow Us</h2>
148         <div class="contact-info">
149           <div class="social">
150             <a href="#"><i class="fab fa-twitter"></i></a>
151             <a href="#"><i class="fab fa-facebook-f"></i></a>
152             <a href="#"><i class="fab fa-linkedin-in"></i></a>
153             <a href="#"><i class="fab fa-instagram"></i></a>
154             <a href="#"><i class="fab fa-youtube"></i></a>
155           </div>
156         </div>
157       </div>
158     </div>
159
160     <div class="col-lg-3 col-md-6">
161       <div class="footer-widget">
162         <h2>Company Info</h2>
163         <ul>
164           <li><a href="AboutUs.html">About Us</a></li>
165           <li><a href="ServicePage.html">Our Stores</a></li>
166         </ul>
167       </div>
168     </div>
169
170     <div class="col-lg-3 col-md-6">
171       <div class="footer-widget">
172         <h2>Services</h2>
173         <ul>
174           <li><a href="Virtualshop.html">Virtual Shopping</a></li>
175           <li><a href="Optionsshop.html">Options Shopping</a></li>
176           <li><a href="Promises.html">Promises</a></li>
177         </ul>
178       </div>
179     </div>
180   </div>
181
182   <div class="row payment align-items-center">
183     <div class="col-md-6">
184       <div class="payment-method">
185         <h2>We Accept:</h2>
186         
187       </div>

```

4.5 Task Sheet 2

e-Project Title: Eyeonic		Preparation Activity Day			
Task	Activity prepared by person	Actual Start Days	Actual Complete Task Days	Teammate Names	Status
Build and Coding Home Page/ Searching function/ Adding Product to Cart and Payment Form	Nhuận	18/6/21	10 days	Nhuận	Completed
Build and Coding Brand-Sunglasses Product Page and Sunglasses Product Detail	Hòa	18/6/21	14 days	Hòa	Completed
Build and Coding Contact lenses page and Contact lenses detail page	Đạt	18/6/21	12 days	Đạt	Completed
Build and Coding Services and Contact us page, About Us	Danh	18/6/21	10 days	Danh	Completed
Build and Coding Login/ Register Page	Nhuận Danh	28/6/21	5 Days	Nhuận, Danh	Completed
Assemble everyone's work into complete website	Nhuận	3/7/21	4 days	Nhuận, Đạt, Hòa, Danh	Completed
Testing Home Page responsive/Adding to Cart and Payment Form responsive	Nhuận	7/7/21	5 days	Nhuận, Đạt	Completed
Testing Brand-Sunglasses Product Page and Sunglasses Product Detail responsive	Nhuận	7/7/21	5 days	Nhuận, Hòa	Completed
Testing Contact lenses page and Contact lenses detail page responsive	Nhuận	7/7/21	5 days	Nhuận, Đạt	Completed
Testing Services and Contact us page, About Us responsive	Nhuận	7/7/21	5 days	Nhuận, Danh	Completed
Testing Login and Register page responsive and validation	Nhuận Danh	7/7/21	2 days	Nhuận, Danh	Completed
Write project report Review 2	Nhuận	10/7/21	2 days	Nhuận	Completed

4.6 Checklist Validation

TASK NO.	REQUIREMENT	VALIDATION
1	Home Page should contain logo of the site with proper sections and details of Frames and Lenses with suitable images.	YES
2	The site should display a menu which will contain the options for brief introduction about the various frames and lenses available, location of the shop and any other information if required.	YES
3	The information should be categorized according to the brand names of the products like if a User wants to see only “Ray-Ban” products or any other companies products then he/she can click on a Link/button/menu etc and can see only that Brand products.	YES
4	Another category option for “Contact Lenses”, “SunGlasses” etc. should be created and accordingly the products should be listed.	YES
5	When a user selects any particular brand, a list of products for that brand will be displayed	YES
6	A brief summary of features of individual products should be displayed on the Web Page along with the product but detailed Features should be stored in Individual Word documents which can be downloaded or viewed by the User who wishes to see the same.	YES
7	The user should also be able to compare the various products of different as well as similar brands.	YES
8	There should be a “Contact Us” page which will have the Address of the Company which is as follows and the mail address which when clicked will invoke the local mail client from where they can send an email. Address of the Company should be displayed using GeoLocation API (eg. GoogleMaps).	YES
ADDING NEW FEATURE		
1	Adding Zooming, Try On button on product page	YES
2	Adding function “Add to Card” when buy product and Payment form	YES
3	Adding 2 languages English and Vietnamese on product detail	YES

4.7 References

1. Bootstrap 4 Tutorial. <https://www.w3schools.com/bootstrap4/default.asp>
2. Bootstrap 4 documentation. <https://getbootstrap.com/docs/4.5/getting-started/introduction/>
3. Jquery API documentation. <https://api.jquery.com/>
4. Glassesshop website <https://www.glassesshop.com/>

Mentor Signature	Team Leader Signature