



*Front-end  
designed  
website  
2020-2021*

GLASSWARE  
HOUSE

# **Mini Project- II Report On**

## **GLASSWARE WEBSITE**

**Department of Computer Engineering & Applications  
Institute of Engineering & Technology**



**Submitted by**

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### **Declaration**

we hereby declare that the work which is being presented in the B.Tech. Project “GLASSWARE WEBSITE”, in partial fulfilment of the requirements for the award of the *Bachelor of Technology* in Computer Science and Engineering and submitted to the Department of Computer Engineering and Applications of GLA University, Mathura, is an authentic record of my/our own work carried under the supervision of **Mr. Mandeep Singh.**

The contents of this project report, in full or in parts, have not been submitted to any other Institute or University for the award of any degree.

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## Acknowledgement

In the present world of competition there is a race of existence in which those are having will to come forward succeed. Project is like a bridge between theoretical and practical working. With this willing we joined this particular project. It gives us great pleasure and we are glad to represent the synopsis of our B.Tech Mini Project-II undertaken during the third year of our graduation era.

It has indeed been a great privilege for us to have Mr. Mandeep Singh Department of Computer Engineering & Application, Institute of Engineering & Technology, GLA University, Mathura, as our mentor in this Project. His awe-inspiring personality, superb guidance and constant encouragement are the motive force behind this project. We take this opportunity to express our utmost gratitude to him. We are also indebted to him for his timely and valuable advise.

We are highly grateful to Prof. Anand Singh Jalal, Head, Department of Computer Engineering & Application for providing necessary facilities and encouraging us during the course of work. We are thankful to all technical and non-technical staff of the Department of the Computer Science and Engineering for their constant assistance and their co-operation.

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## Project Introduction

The Project GLASSWARE aims to provide a responsive website which is an e-commerce website. This website will contain information about glasswork like it will contain products like lightings, Chandeliers, Crockeries, Bangles and Antique Pieces. The person will be able to buy such products from our site. We will be providing all the relevant information about such products.

In this website, we have a user module. A user will firstly log in into his or her account , After that he will be searching for the items which he or she have to buy and then he will be making a wishlist of his item and later on our site will give him an estimation or calculate the price of all the items he wants to buy.

So our website is basically for the customers who want to do online shopping for glassworks. So the user can be anyone like a businessman, party-planner and any other person.



## Problem statement

We are dealing with the situations of making things easier for the people who plan for online shopping. This website will help the people to shop for various items of glassworks for various places like house, flats, apartments, business places, farmhouse, mansions etc with the utmost facilities. In today's era, building the trust of people and finding all the services in one place is most difficult. People are compelled to look at different websites for different offerings and better facilities, but this site will engage them more effectively with its good facilities. Beyond serving a trustworthy source of inspiration for planning a trip, this site will also give would-be travellers all the information clearly and evidently that they required to arrange their travel plans.





## Objective of the project

We are creating a real-time website to 'take a look of Glasswork' effectively and effortlessly having great features involved. This site accommodates attractive interfaces that are easily accessible and understandable by the users. Altogether this website will include all items related to glasses and all the relevant details to it. This site will be for all types of users who wants to look for things related to glasswork either the user can be businessman, shopkeeper, normal man and women who are looking for such things to decorate their houses or want to buy them.

Gone are the days when people used to be satisfied with the services offered by offline shops and agents and whole sellers. In today's era of millennials and digital natives, People are highly picky. They want something out of the ordinary. They are looking for highly curated travel experiences that perfectly suit their personalities. People shopping preferences have changed significantly in recent years. Now, people prefer to buy something new, innovative and classy rich in today's trends and look magnificent. The purpose of the website is the principal fact that Internet users are increasing today, so to facilitate offline customers online because customers cannot spend their precious time in markets trying to find out the best deals. This site will provide users with the right information at the right time and with the enormous facilities. This site will intent to connect with the audience elegantly. Hence it is essential to have a strong and reliable front-end which can withhold the users on the site.

Our design objectives are:

- A Responsive, Mobile-friendly Design
- Clean, Easy-to-Use and User-friendly Search forms
- Being Comprehensive and provide Complete Information
- User-engaging and Attractive Interfaces



## Working Methodology

The resources used for designing and developing this project are the front-end techniques which have to be implemented on a text editor. Firstly, we prepare a design format for the website of how our website will look like and what functionality will cover which area of the website. Then, we will work on how all these modules get connected and provide a better interface for interactivity and looks astonishing at the very first sight of the user.

The front-end techniques used in the project are:

- HTML
- CSS
- JavaScript
- jQuery



# HTML

HTML stands for Hyper Text Markup Language. Hypertext Markup Language is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript. HTML describes the structure of a Web page.



"Hypertext" refers to the hyperlinks that an HTML page may contain. "Markup language" refers to the way tags are used to define the page layout and elements within the page. Below is an example of HTML used to define a basic webpage with a title and a single paragraph of **text**.

HTML is an acronym which stands for **Hyper Text Markup Language** which is used for creating web pages and web applications. Let's see what is meant by Hypertext Markup Language, and Web page.

**Hyper Text:** Hyper Text simply means "Text within Text." A text has a link within it, is a hypertext. Whenever you click on a link which brings you to a new webpage, you have clicked on a hypertext. HyperText is a way to link two or more web pages (HTML documents) with each other.

**Markup language:** A markup language is a computer language that is used to apply layout and formatting conventions to a text document. Markup language makes text more interactive and dynamic. It can turn text into images, tables, links, etc.

**Web Page:** A web page is a document which is commonly written in HTML and translated by a web browser. A web page can be identified by entering an URL. A Web page can be of the static or dynamic type.

**With the help of HTML only, we can create static web pages.**

Hence, HTML is a markup language which is used for creating attractive web pages with the help of styling, and which looks in a nice format on a web browser. An HTML document is made of many HTML tags and each HTML tag contains different content.



## *Features of html*

- ❖ It is a very **easy and simple language**. It can be easily understood and modified.
- ❖ It is very easy to make an **effective presentation** with HTML because it has a lot of formatting tags.
- ❖ It is a **markup language**, so it provides a flexible way to design web pages along with the text.
- ❖ It facilitates programmers to add a **link** on the web pages (by html anchor tag), so it enhances the interest of browsing of the user.
- ❖ It is **platform-independent** because it can be displayed on any platform like Windows, Linux, and Macintosh, etc.
- ❖ It facilitates the programmer to add **Graphics, Videos, and Sound** to the web pages which makes it more attractive and interactive.
- ❖ HTML is a case-insensitive language, which means we can use tags either in lower-case or upper-case

## CSS

**CSS** stands for **Cascading Style Sheets**. CSS describes how HTML elements are to be displayed on screen, paper, or in other media. CSS saves a lot of work. It can control the layout of multiple web pages all at once. External stylesheets are stored in CSS files.

CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes.



**CSS** is the language for describing the presentation of Web pages, including colors, layout, and fonts. It allows one to adapt the presentation to different types of devices, such as large screens, small screens, or printers. **CSS** is independent of HTML and can be **used** with any XML-based markup language.

Cascading **Style Sheets**, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, variations in display for different devices and screen sizes as well as a variety of other effects.

CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages.



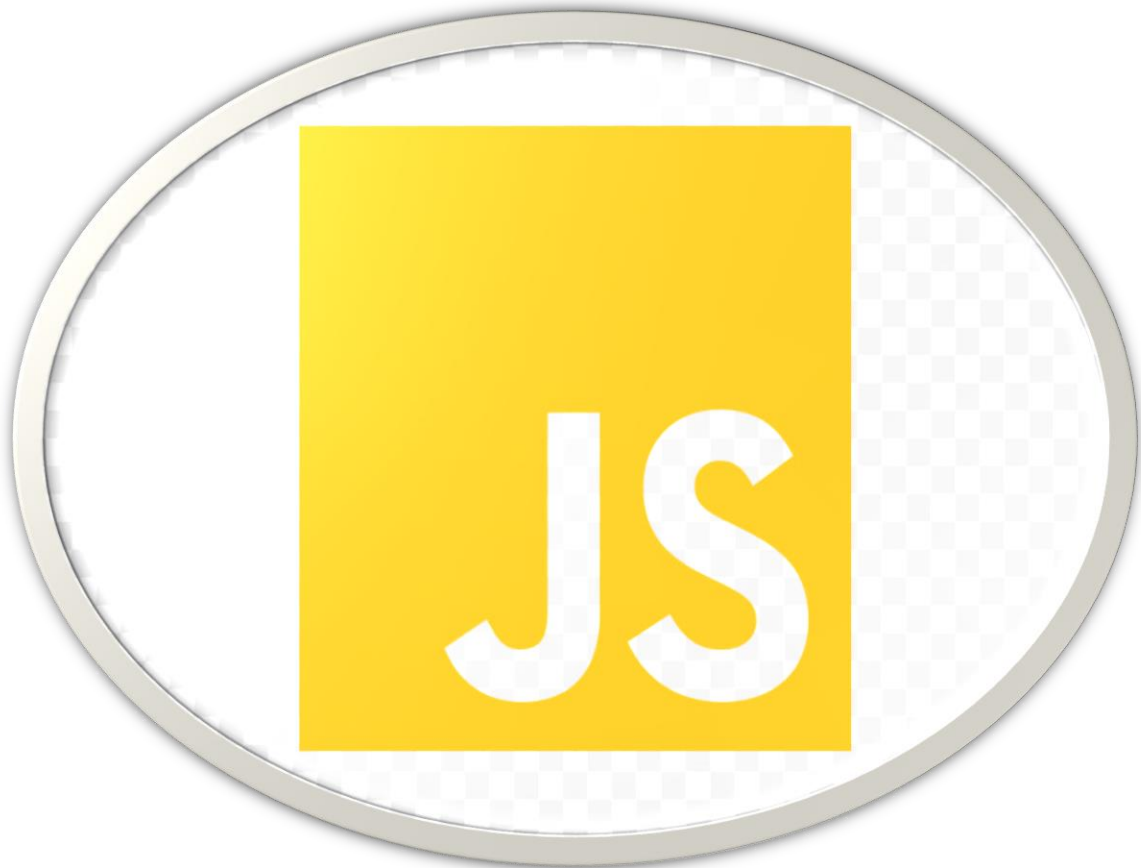
*Some of the advantages of using CSS are:*

- Easier to maintain and update.
- Greater **consistency** in design.
- More formatting options.
- **Lightweight** code.
- Faster download times.
- **Search engine optimization** benefits.
- Ease of presenting different styles to different viewers.
- Greater **accessibility**.

## JavaScript

JavaScript, often abbreviated as JS, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.

JavaScript is a text-based programming language used both on the client-side and **server**-side that allows you to make web pages interactive. Where HTML and **CSS** are languages that give structure and style to web pages, JavaScript gives web pages interactive elements that engage a user.

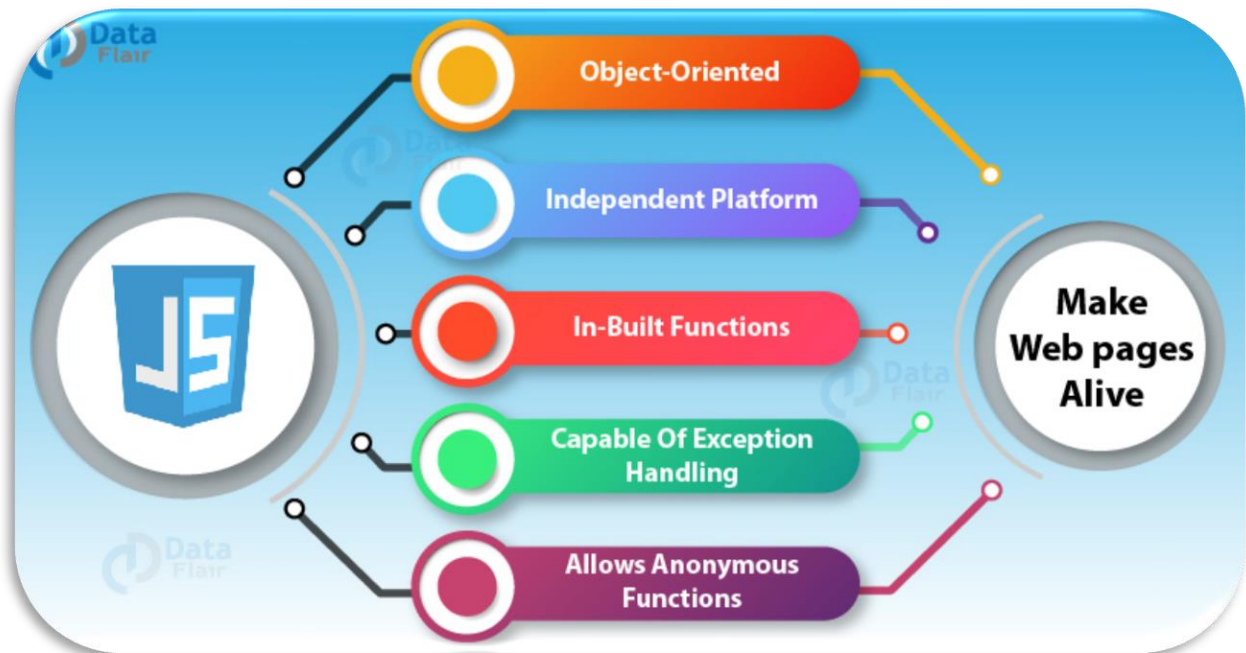


**Javascript** (JS) is a scripting languages, primarily used on the Web. It is used to enhance HTML pages and is commonly found embedded in HTML code. **JavaScript** is an interpreted language. Thus, it doesn't need to be compiled. **JavaScript** renders web pages in an interactive and dynamic fashion. **JavaScript** is a scripting or programming language that allows you to implement complex features on web pages — every time a web page **does** more than just sit there and display static information for you to look at such as displaying timely content updates, interactive maps, animated 2D/3D graphics etc.

The visual aspects of the website that can be seen and experienced by users are frontend. On the other hand, everything that happens on the background can be



attributed to the backend. Languages used for front end are HTML, CSS, Javascript while those used for backend include **Java**, Ruby, Python.



Things that we build using JavaScript:

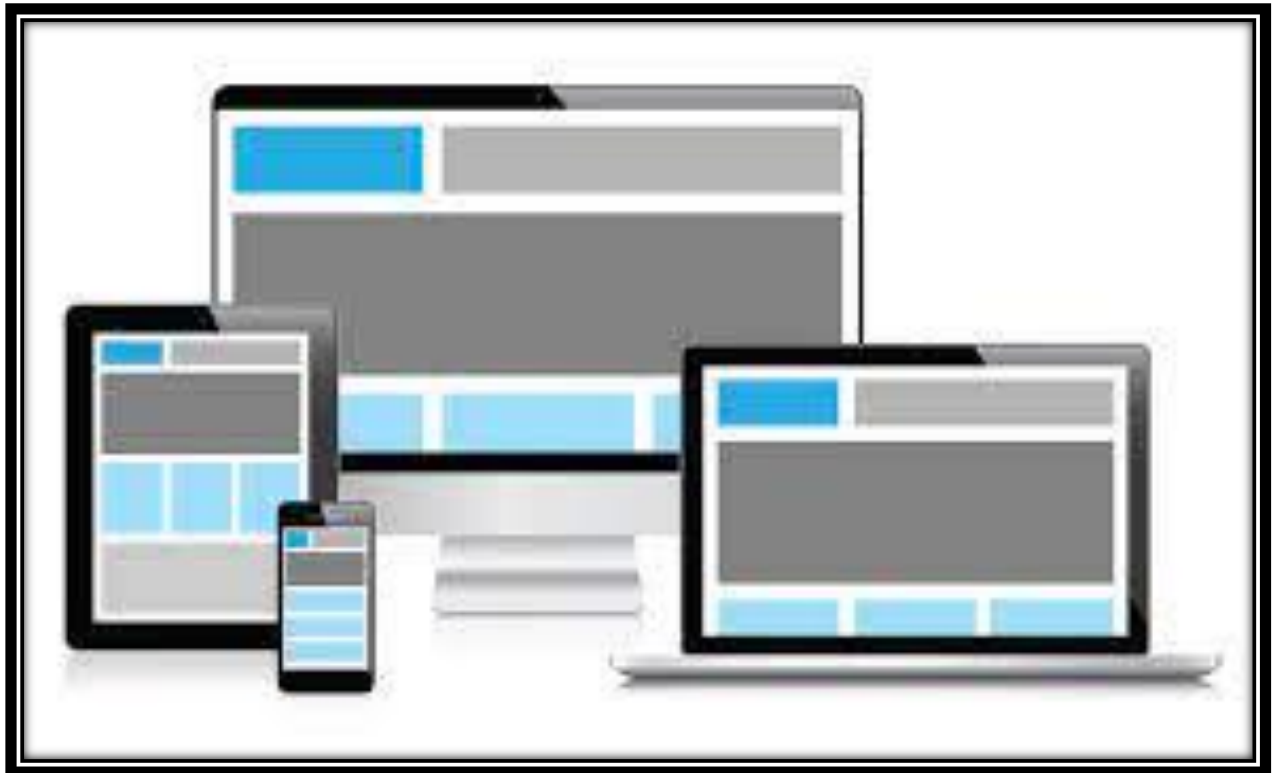
- Websites: Okay, so you **can** file this one under 'pretty obvious'. ...
- Web Applications: As browsers and personal computers have continued to improve, so, too, has the abilities to create robust web applications. ...
- Presentations
- Server applications
- Web Servers
- Games
- Art

# Responsiveness

## Media Query

Media queries are a feature of CSS that enable webpage content to adapt to different screen sizes and resolutions. They are a fundamental part of responsive web design and are used to customize the appearance of websites for multiple devices.

CSS Media Queries are a feature in CSS3 which allows you to specify when certain CSS rules should be applied. This allows you to apply a special CSS for mobile, or adjust a layout for print.



It uses the **@media** rule to include a block of CSS properties only if a certain condition is true.

## Add Breakpoints:

Media queries can help with that. We can add a breakpoint where certain parts of the design will behave differently on each side of the breakpoint.

You can add as many breakpoints as you like.

media queries can also be used to change layout of a page depending on the orientation of the browser.

You can have a set of CSS properties that will only apply when the browser window is wider than its height, a so called "Landscape" orientation.

## *Other Features*

### **Animations:**

Animation design is the art of creating special effects and other designs for various forms of media, including video games, movies and even social media posts. Much of an animation designer's work is done with specialized computer software, and some even write their own code!

the animation is the dynamic medium in which the images or objects are manipulated to appear as moving images. Now animation can be designed with the help of computer-generated images.

### **Buttons:**

Buttons are one of the most common UI elements. They make it possible for users to interact with a system and take action by making selections. Buttons are used on forms, website homepages, dialog boxes, and toolbars.

Text buttons are text labels that fall outside of a block of text. The text should describe the action that will occur if a user clicks or taps a button. Text buttons have a low level of emphasis and are typically used for less important actions.

## Overview of the Project

This website contains various sections of glassware. The homepage represents the view our website. The sidebar provides various services to the user from which user can interact.

**Dashboard:** Dashboard takes the user to a page from where he can sign up to his or her account or if do not have account then they can register on it.

**Galley:** This page shows the overview of all the types of glassware product which our website will contain.

**Contact:** Through this page the website user can contact to the owner of the user for any type of discrepancy they faced while using the website.

**About:** This page will represent information about all the team members who make this website.

**Overview:** This section contains the Overview of Our Website that what we have include in it.

## *What Our Websites Basically Includes?*

Our Website include glass materials so the glass material in our website is divided into six categories.

- Chandeliers
- Lamps
- Hangings
- Bangles
- Crockery
- Wall-lights

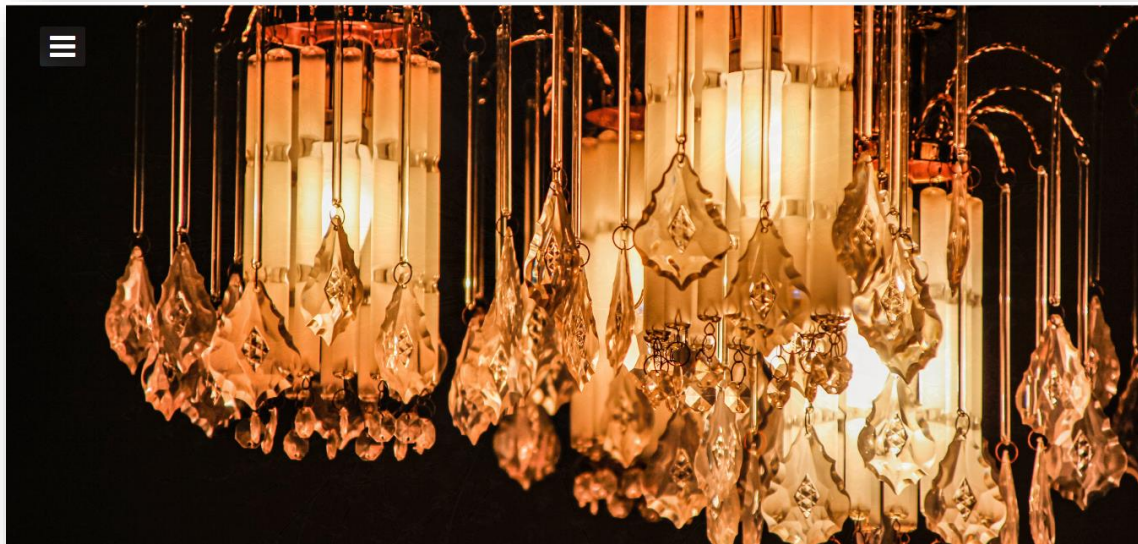




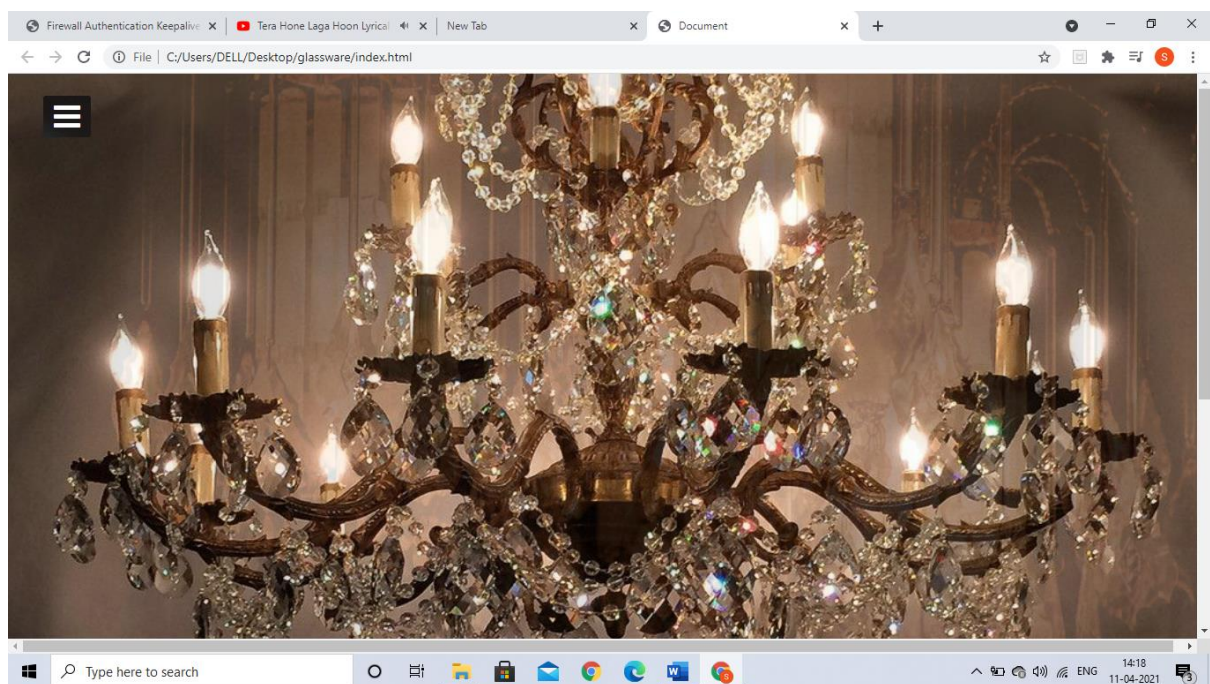
# *Snapshots of Project work with its source code*

Various Section In our website

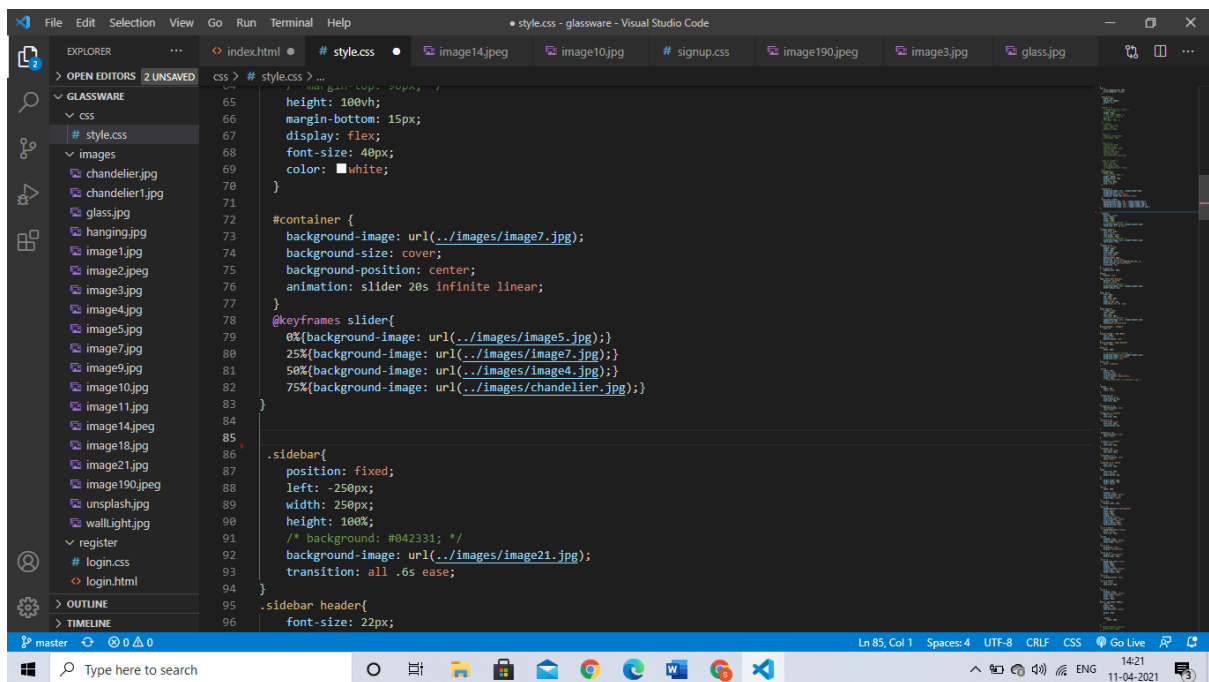
Home OR Landing Page



Landing page sliders







The screenshot shows the Visual Studio Code editor with a project named 'GLASSWARE'. The Explorer sidebar on the left lists files including 'css', 'style.css', and various image files. The main editor area displays the content of 'style.css' with the following code:

```
css > # style.css > ...
65 height: 100vh;
66 margin-bottom: 15px;
67 display: flex;
68 font-size: 40px;
69 color: white;
70 }
71
72 #container {
73   background-image: url(../images/image7.jpg);
74   background-size: cover;
75   background-position: center;
76   animation: slider 20s infinite linear;
77 }
78
79 @keyframes slider{
80   0%(background-image: url(../images/image5.jpg));
81   25%(background-image: url(../images/image7.jpg));
82   50%(background-image: url(../images/image4.jpg));
83   75%(background-image: url(../images/chandelier.jpg));
84 }
85
86 .sidebar{
87   position: fixed;
88   left: -250px;
89   width: 250px;
90   height: 100%;
91   /* background: #042331; */
92   background-image: url(../images/image21.jpg);
93   transition: all .6s ease;
94 }
95
96 .sidebar header{
97   font-size: 22px;
```

The status bar at the bottom indicates the cursor is at line 85, column 1, with 4 spaces, in UTF-8 encoding, CRLF line endings, and CSS mode. The system tray shows the date as 11-04-2021 and time as 14:21.



```

<!-- index.html -->
<html>
  <head>
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css"
    integrity="sha384-wvXpazZVQ6GTAh5PV1GOFQNH50D2xbE+QkPxCAF1NEv0EH3S10s1bVcQVnH" crossorigin="anonymous">
  </head>
  <body>
    <div id="container">
      <div class="header">
        <div class="navbar">
          <div class="navbar-header">
            <img alt="Glassware Logo" data-bbox="120 120 140 140"/>
            <span>GLASSWARE</span>
          </div>
          <div class="navbar-collapse">
            <ul>
              <li><a href="#">Home</a></li>
              <li><a href="#">About</a></li>
              <li><a href="#">Services</a></li>
              <li><a href="#">Contact</a></li>
            </ul>
          </div>
        </div>
      </div>
      <div class="main">
        <div class="row">
          <div class="col-md-3">
            <div class="sidebar">
              <div class="list-group">
                <a href="#">Home</a>
                <a href="#">About</a>
                <a href="#">Services</a>
                <a href="#">Contact</a>
              </div>
            </div>
          </div>
          <div class="col-md-9">
            <div class="content">
              <h2>ABOUT</h2>
              <p>Glassware collections for enjoying wines and spirits alone or with guests or patrons. We invite you to browse our wide selection including decoration materials. Glassware also make great gifts during the holidays or to mark special occasions. Browse through our Crystal Collection page and when you are ready, click on shop online to purchase the perfect one.</p>
            </div>
          </div>
        </div>
      </div>
    </div>
  </body>
</html>

```



## Footer

```

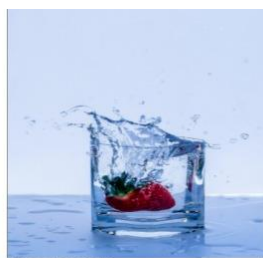
File Edit Selection View Go Run Terminal Help
index.html - glassware - Visual Studio Code

EXPLORER
> OPEN EDITORS 2 UNSAVED
GLASSWARE
  hanging.jpg
  image1.jpg
  image2.jpeg
  image3.jpg
  image4.jpg
  image5.jpg
  image7.jpg
  image9.jpg
  image10.jpg
  image11.jpg
  image14.jpeg
  image18.jpg
  image21.jpg
  image190.jpeg
  unsplash.jpg
  wallLight.jpg
  register
  login.css
  login.html
  login.js
  signup.css
  signup.html
  signup.js
  index.html
OUTLINE
TIMELINE

index.html
43
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49
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52
53
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55
56
57
58
59
60
61
62
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66
67
68
69
70
71
72
73
74

<body>
  <div>#container
    <p>Glassware also make great gifts during the holidays or to mark special occasions. Browse through our
    Crystal Collection page and when you are ready, click on shop online to purchase the perfect one.
  </p>
</div>
</section>
<section class="categories">
  <h2>CATEGORIES</h2>
  <ul>
    <li><a href="#" style="font-size: 20px;">Chandeliers</a></li>
    <li><a href="#" style="font-size: 20px;">Glass</a></li>
    <li><a href="#" style="font-size: 20px;">Bangles</a></li>
    <li><a href="#" style="font-size: 20px;">Wall Lights</a></li>
    <li><a href="#" style="font-size: 20px;">Hangings</a></li>
    <li><a href="#" style="font-size: 20px;">Lamps</a></li>
  </ul>
</section>
<section class="quickList">
  <h2>QUICKLIST</h2>
  <ul>
    <li><a href="#" style="font-size: 20px;">Dashboard</a></li>
    <li><a href="#" style="font-size: 20px;">Shortcuts</a></li>
    <li><a href="#" style="font-size: 20px;">Overview</a></li>
    <li><a href="#" style="font-size: 20px;">Event</a></li>
    <li><a href="#" style="font-size: 20px;">About</a></li>
    <li><a href="#" style="font-size: 20px;">Services</a></li>
    <li><a href="#" style="font-size: 20px;">Contact</a></li>
  </ul>
</section>
<section class="contactUs">
  <h2>CONTACT US</h2>
  <ul>
    <li><i class="fa fa-home"></i><span style="font-size: 20px;">GLA University, Mathura</span></li>
    <li><i class="fa fa-envelope"></i><span style="font-size: 20px;">glasswareworks@gmail.com</span></li>
  </ul>
</section>

```



**CROCKERY**  
Fancy Craft

₹450 ₹900  
**50% OFF**

**BUY NOW**

In-Stock: Free



**CROCKERY**  
Bellerbird

₹450 ₹900  
**50% OFF**

**BUY NOW**

In-Stock: Free



**CROCKERY**  
Ocean Viva

₹450 ₹900  
**50% OFF**

**BUY NOW**

In-Stock: Free



**CROCKERY**  
Solimo Nia

₹450 ₹900  
**50% OFF**

**BUY NOW**

In-Stock: Free







CHANDELIER  
Crystal

₹450 ₹900  
50% OFF

BUY NOW

In-Stock: Free



CHANDELIER  
Rose Gold Crystal

₹450 ₹900  
50% OFF

BUY NOW

In-Stock: Free



CHANDELIER  
Spare Crystal

₹450 ₹900  
50% OFF

BUY NOW

In-Stock: Free



CHANDELIER  
Orion Glass Crystal

₹450 ₹900  
50% OFF

BUY NOW

In-Stock: Free



```

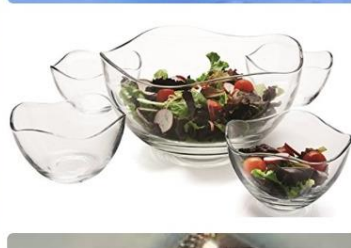
File Edit Selection View Go Run Terminal Help
gallery.html - Untitled (Workspace) - Visual Studio Code

EXPLORER
  OPEN EDITORS
    cards.html cards
    chandelier.html map
    hanging.html map
    Footer.html
    gallery.html Gallery
    bill.html map
    placeorder.html map
    placeorder.css map
    bill.css map
  UNTITLED (WORKSPACE)
    Footer
    cards
    cards.css
    cards.html
    contact
    Gallery
    gallery_image
    # gallery.css
    # gallery.html
    # lightbox.css
    # lightbox.min.css
    # images
    # map
    # bangles.css
    # bangles.html
    # bill.css
    # bill.html
    # chandelier.css
    # chandelier.html
    # glass.css
    # glass.html
    # ...
  OUTLINE

Footer > Gallery > gallery.html > html > body > div.gallery-images
28 <h1>Gallery</h1>
29 </div>
30 </div>
31 <div class="gallery-images">
32
33 <a href=".."Gallery/gallery_image/12.jpg" data-lightbox="lightbox-gallery">
34 
35 </a>
36 <a href=".."Gallery/gallery_image/46.jpeg" data-lightbox="lightbox-gallery">
37 
38 </a>
39 <a href=".."Gallery/gallery_image/65.jpg" data-lightbox="lightbox-gallery">
40 
41 </a>
42 <a href=".."Gallery/gallery_image/88.jpg" data-lightbox="lightbox-gallery">
43 
44 </a>
45 <a href=".."Gallery/gallery_image/89.jpg" data-lightbox="lightbox-gallery">
46 
47 </a>
48 <a href=".."Gallery/gallery_image/90.jpg" data-lightbox="lightbox-gallery">
49 
50 </a>
51 <a href=".."Gallery/gallery_image/6666.jpg" data-lightbox="lightbox-gallery">
52 
53 </a>
54 <a href=".."Gallery/gallery_image/66667.jpg" data-lightbox="lightbox-gallery">
55 
56 </a>
57 <a href=".."Gallery/gallery_image/bangle2.jpg" data-lightbox="lightbox-gallery">
58 
59 </a>
60 <a href=".."Gallery/gallery_image/glass.jpg" data-lightbox="lightbox-gallery">
61 
62 </a>
63 <a href=".."Gallery/gallery_image/glass01.jpg" data-lightbox="lightbox-gallery">
64 
65 </a>

```

# GALLERY



## Contact Section

media query - Google Search x Contact x +

sakshibhardwaj30.github.io/Glassware-miniProject/Contact.html

**GlassWare**

[Home](#) [Dashboard](#) [Overview](#) [Gallery](#) [About](#) [Contact](#)

*Get In Touch*

*If you have any question, please free t drop us a line.Email us with any question or queries.We would be happy answer your question.*

*Login To Your Account To Reach Us!*

*Username*

*Email ID*

*Enter Your Password*

*submit*

*Address*  
4671 Krishna Camp Road,  
Greater Noida,  
55060

*phone*  
507-475-6094

*Email*  
rksk.glassware@gmail.com

Type here to search

06:57  
07-05-2021

media query - Google Search x Send Message x +

sakshibhardwaj30.github.io/Glassware-miniProject/SendMessage.html

*Contact Us*

*If you have any question, please free t drop us a line.Email us with any question or queries.We would be happy answer your question.*

*Address*  
4671 Krishna Camp Road,  
Greater Noida,  
55060

*phone*  
507-475-6094

*Email*  
rksk.glassware@gmail.com

*Send Message*

*do you like our Product?*

*Any Complaints regarding our Product?*

*Type Your Message...*

*Send*

Type here to search

06:57  
07-05-2021

## Future Scope

The purpose of the website is the principal fact that Internet users are increasing today, so to facilitate offline customers online because customers cannot spend their precious time in markets trying to find out the best deals. This site will provide users with the right information at the right time and with the enormous facilities. This site will intent to connect with the audience elegantly. Hence it is essential to have a strong and reliable front-end which can withhold the users on the site.

Our design objectives are:

- A Responsive, Mobile-friendly Design
- Clean, Easy-to-Use and User-friendly Search forms
- Being Comprehensive and provide Complete Information
- User-engaging and Attractive Interfaces

### ADVANTAGES:

- This is a e-commerce website and it will help people buy different products from their home instead of wandering for the items here and there.
- It will save time of people.
- People will have different varieties and they will have multiple choices for the item they are looking for.

### DISADVANTAGES:

- The item can be expensive in the website.
- The services provide by the website may be out of reach.



## REFERENCES

- <https://www.w3schools.com/html/>
- <https://www.javatpoint.com/what-is-html>
- <https://www.w3schools.com/css/>
- <https://www.beta-labs.in/>

