

UNIVERSITY INSTITUTE OF COMPUTING

**PROJECT REPORT**

**ON**

**Cake Shop Website**

Program Name: BCA(General)

SubjectName/Code:Web Designing (24CAH-153)

**Submitted by: Submitted to:**

Name: Ananya Taneja Name: Mrs.Palwindar

UID: **24BCA10351** Kaur Mam

Section: BCA – 3 “B”

Group: 1

**Acknowledgment**

I would like to express my sincere gratitude to my project guide **(Palwindar Mam)** for providing continuous support, valuable guidance, and encouragement throughout the project work.  
I would also like to thank my friends and family for their motivation and cooperation during the project.  
Finally, I am thankful to the institution for giving me the opportunity to work on this project.

**ABSTRACT**

**Introduction:**

In today’s digital world, having an online presence is crucial for any business, including cafes and cake shops.  
This project aims to create a visually appealing, easy-to-navigate, and responsive Coffee Shop Website titled **"Cake Shop Website"** using **HTML**, **CSS**, and **JavaScript**.  
The website allows users to explore various coffee varieties, new launches, and contact the shop directly.  
The project focuses purely on front-end development without involving any backend frameworks or databases, making it lightweight and fast.  
With sections like Home, Menu, What’s New, Contact Us, and Learn More, the website provides a professional look and can serve as a prototype for real-world businesses to expand digitally.  
This project helped me understand how websites are structured, styled, and how user interactions can be handled simply using JavaScript.

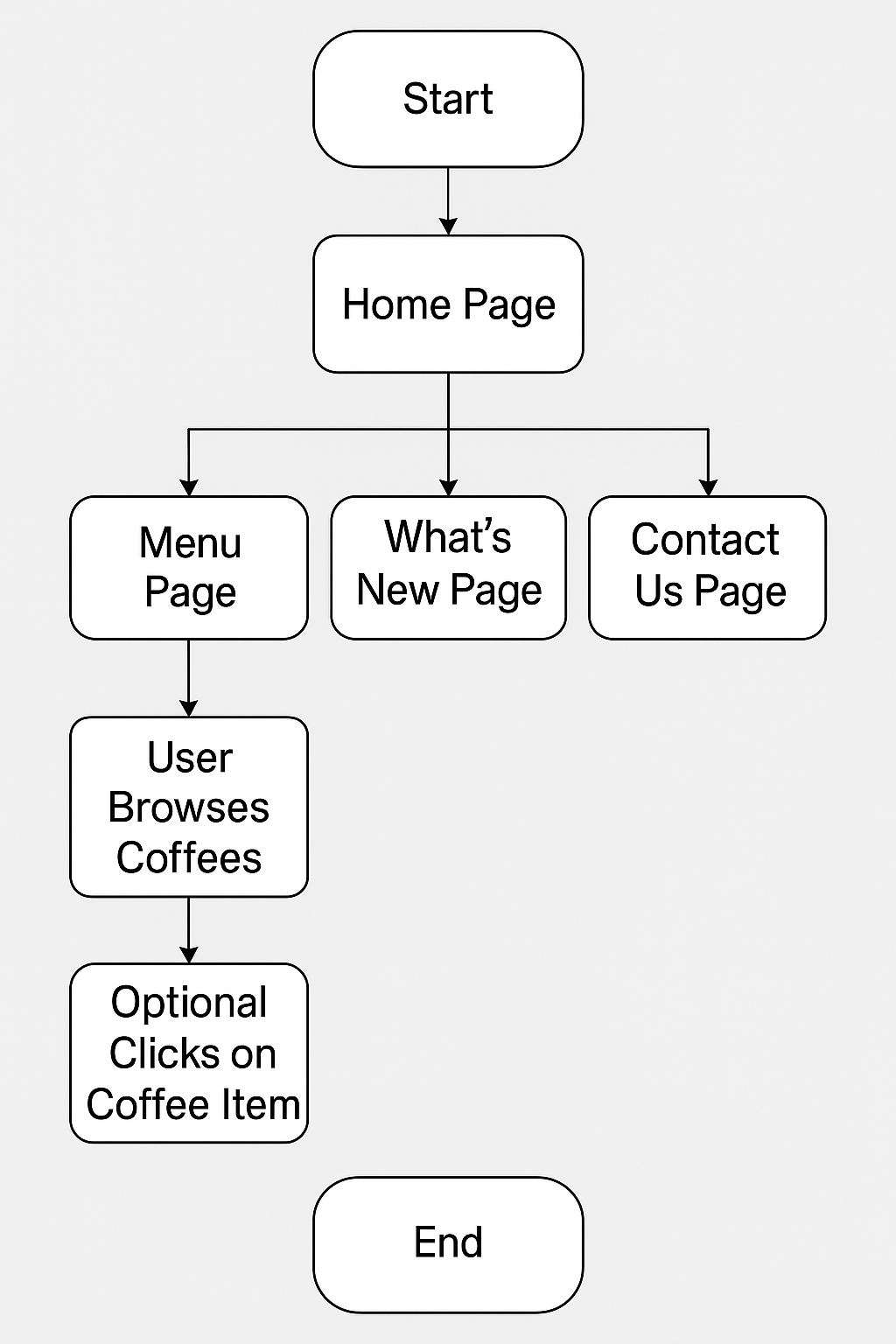
## Objective:

* The main objective of this project is:
* To design a simple yet stylish Cake Shop Website using basic front-end technologies.
* To provide easy navigation for customers to view the menu, latest items, and contact details.
* To understand the use of HTML for structure, CSS for design, and JavaScript for basic interactivity.

## 

## Tools and Technologies Used

* **HTML5**: For creating the structure of web pages.
* **CSS3**: For designing and making the website visually appealing.
* **JavaScript**: For handling form submissions and user interactions.
* **Visual Studio Code**: Code editor for development.
* **Google Chrome/Firefox**: For testing the website.
* **Home Page**: Welcomes users and introduces the coffee shop.
* **Menu Page**: Displays coffee items with images and "Buy Now" buttons.
* **What’s New Page**: Showcases the latest coffee arrivals with a colorful design.
* **Contact Us Page**: Allows customers to send inquiries or feedback via a simple form.
* **Learn More Page**: Tells the story behind the coffee shop and its journey.
* **Buy Now Form**: When a user clicks "Buy Now" on any coffee, a form appears to submit basic details.
  + **Purchase Confirmation**: Shows a “Purchase Successful” alert after form submission.
  + **Responsive Layout**: Adjusts beautifully on desktops, tablets, and smartphones.
  + **Separate Pages**: Each navigation link opens a separate HTML page

****

**Flowchart**

## Working of the Project

1. All pages are interlinked using **Anchor Tags (**<a>**)**.
2. The **Home page** contains navigation links to Menu, What's New, Contact Us, and Learn More.
3. On the **Menu page**, clicking "Buy Now" opens a form asking for basic purchase details (like name, contact).
4. After submission, a **JavaScript alert** confirms the booking.
5. The **Contact Us page** uses a basic form that collects name, email, and message, confirming submission with an alert.
6. The website uses **pure front-end technology**, making it lightweight and fast.

## Challenges Faced

1. **Maintaining Consistency**: Ensuring the same design theme across all pages.
2. **Form Validation**: Making sure inputs are correct even without backend checks.
3. **Responsive Design**: Adjusting elements to fit properly on small screens.
4. **Navigation**: Smooth linking of separate HTML pages without confusion.
5. **Minimal JavaScript**: Managing form submissions using basic JavaScript only.

**Code implementation**

**Index.html**

<!DOCTYPE html>

<html lang="en">

  <head>

    <title>Cake Shop</title>

    <meta charset="utf-8" />

    <meta

      name="viewport"

      content="width=device-width, initial-scale=1.0, shrink-to-fit=no"

    />

    <meta

      name="keywords"

      content="free bootstrap 4, free bootstrap 4 template, free website templates, free html5, free template, free website template, html5, css3, mobile first, responsive"

    />

    <meta name="author" content="Payal" />

    <link

      href="https://fonts.googleapis.com/css?family=Playfair+Display:400,400i,700|Raleway"

      rel="stylesheet"

    />

    <link rel="stylesheet" href="css/bootstrap.min.css" />

    <link rel="stylesheet" href="css/open-iconic-bootstrap.min.css" />

    <link rel="stylesheet" href="css/animate.css" />

    <link rel="stylesheet" href="css/owl.carousel.min.css" />

    <link rel="stylesheet" href="css/owl.theme.default.min.css" />

    <link rel="stylesheet" href="css/magnific-popup.css" />

    <link rel="stylesheet" href="css/bootstrap-datepicker.css" />

    <link rel="stylesheet" href="css/jquery.timepicker.css" />

    <link rel="stylesheet" href="css/icomoon.css" />

    <link rel="stylesheet" href="css/style.css" />

  </head>

  <body data-spy="scroll" data-target="#ftco-navbar" data-offset="200">

    <nav

      class="navbar navbar-expand-lg navbar-dark ftco\_navbar bg-dark ftco-navbar-light"

      id="ftco-navbar"

    >

      <div class="container">

        <a class="navbar-brand" href="index.html">Cake</a>

        <button

          class="navbar-toggler"

          type="button"

          data-toggle="collapse"

          data-target="#ftco-nav"

          aria-controls="ftco-nav"

          aria-expanded="false"

          aria-label="Toggle navigation"

        >

          <span class="oi oi-menu"></span> Menu

        </button>

        <div class="collapse navbar-collapse" id="ftco-nav">

          <ul class="navbar-nav ml-auto">

            <li class="nav-item active">

              <a href="#section-home" class="nav-link">Home</a>

            </li>

            <li class="nav-item">

              <a href="#section-about" class="nav-link">About Us</a>

            </li>

            <li class="nav-item">

              <a href="#section-menu" class="nav-link">Menu</a>

            </li>

            <li class="nav-item">

              <a href="#section-gallery" class="nav-link">Gallery</a>

            </li>

            <li class="nav-item">

              <a href="customer.html" class="nav-link">Customer Review</a>

            </li>

          </ul>

        </div>

      </div>

    </nav>

*<!-- END nav -->*

    <section

      class="ftco-cover"

      style="background-image: url(images/bg\_3.jpg)"

      id="section-home"

    >

      <div class="container">

        <div

          class="row align-items-center justify-content-center text-center ftco-vh-100"

        >

          <div class="col-md-12">

            <h1 class="ftco-heading ftco-animate mb-3">

              Welcome To Cakelicious

            </h1>

            <h2 class="h5 ftco-subheading mb-5 ftco-animate">

              Sweetness to the world!

            </h2>

          </div>

        </div>

      </div>

    </section>

*<!-- END section -->*

    <section class="ftco-section" id="section-about">

      <div class="container">

        <div class="row">

          <div class="ftco-animate mb-5">

            <h4 class="ftco-sub-title">About Us</h4>

            <h2 class="ftco-primary-title display-4">Welcome</h2>

            <p>

              Cakelicious specialises in premium celebration cakes that are

              expertly handcrafted for every occasion. We have a team of

              talented cake designers and decorators who can produce a genuinely

              unique and unforgettable cake that will delight your guests at

              your big event. Our cakes are produced with the highest quality

              ingredients purchased directly from the finest

              Indian manufacturers, many of whom we've worked with since the

              beginning of the company.

            </p>

            <p class="mb-4">

              To see examples of our creations, please browse our gallery of

              magnificent hand-crafted celebration cakes, or place an order

              through our website.

            </p>

            <p>

              <a href="#section-gallery" class="btn btn-secondary btn-lg"

                >Gallery</a

              >

            </p>

          </div>

        </div>

      </div>

    </section>

*<!-- END section -->*

    <section class="ftco-section" id="section-menu">

      <div class="container">

        <div class="row">

          <div class="col-md-12 text-center mb-5 ftco-animate">

            <h2 class="display-4">~ Our Cake Menu ~</h2>

            <div class="row justify-content-center">

              <div class="col-md-7">

                <p class="lead">

                  We bake cakes for various occasions and festivities. Please

                  feel free to choose from the categories listed below as per

                  your requirement.

                </p>

              </div>

            </div>

          </div>

          <div class="col-md-12 text-center">

            <ul

              class="nav ftco-tab-nav nav-pills mb-5"

              id="pills-tab"

              role="tablist"

            >

              <li class="nav-item ftco-animate">

                <a

                  class="nav-link active"

                  id="pills-birthday-tab"

                  data-toggle="pill"

                  href="#pills-birthday"

                  role="tab"

                  aria-controls="pills-birthday"

                  aria-selected="true"

                  >Birthday Cakes</a

                >

              </li>

              <li class="nav-item ftco-animate">

                <a

                  class="nav-link"

                  id="pills-wedding-tab"

                  data-toggle="pill"

                  href="#pills-wedding"

                  role="tab"

                  aria-controls="pills-wedding"

                  aria-selected="false"

                  >Wedding Cakes</a

                >

              </li>

              <li class="nav-item ftco-animate">

                <a

                  class="nav-link"

                  id="pills-vegan-tab"

                  data-toggle="pill"

                  href="#pills-vegan"

                  role="tab"

                  aria-controls="pills-vegan"

                  aria-selected="false"

                  >Vegan Cakes</a

                >

              </li>

            </ul>

            <div class="tab-content text-left">

              <div

                class="tab-pane fade show active"

                id="pills-birthday"

                role="tabpanel"

                aria-labelledby="pills-birthday-tab"

              >

                <div class="row">

                  <div class="col-md-6 ftco-animate">

                    <div class="media menu-item">

                      <img

                        class="mr-3"

                        src="images/Bmenu\_1.jpg"

                        class="img-fluid"

                        alt="Chocolate Cake"

                      />

                      <div class="media-body">

                        <h5 class="mt-0">Rich Chocolate Cakes</h5>

                        <p>

                          Intensely flavored and moist chocolate cake made with

                          dark cocoa.

                        </p>

                        <h6 class="text-primary menu-price">Rs. 750 (1Kg)</h6>

                      </div>

                    </div>

                  </div>

                  <div class="col-md-6 ftco-animate">

                    <div class="media menu-item">

                      <img

                        class="mr-3"

                        src="images/Bmenu\_2.jpg"

                        class="img-fluid"

                        alt="Picture Cake"

                      />

                      <div class="media-body">

                        <h5 class="mt-0">Picture Cakes</h5>

                        <p>Customized cakes with picture on top of it.</p>

                        <h6 class="text-primary menu-price">Rs. 850 (1Kg)</h6>

                      </div>

                    </div>

                  </div>

                </div>

              </div>

*<!--Birthday Cakes-->*

              <div

                class="tab-pane fade"

                id="pills-wedding"

                role="tabpanel"

                aria-labelledby="pills-wedding-tab"

              >

                <div class="row">

                  <div class="col-md-6 ftco-animate">

                    <div class="media menu-item">

                      <img

                        class="mr-3"

                        src="images/Wmenu\_1.jpg"

                        class="img-fluid"

                        alt="Fondant Cake"

                      />

                      <div class="media-body">

                        <h5 class="mt-0">Fondant Cakes</h5>

                        <p>

                          We make various themed fondant cakes for Wedding

                          occasions.

                        </p>

                        <h6 class="text-primary menu-price">

                          Rs. -- (Subject to requirements)

                        </h6>

                      </div>

                    </div>

                  </div>

                  <div class="col-md-6 ftco-animate">

                    <div class="media menu-item">

                      <img

                        class="mr-3"

                        src="images/Wmenu\_2.jpg"

                        class="img-fluid"

                        alt="Tiered Cake"

                      />

                      <div class="media-body">

                        <h5 class="mt-0">Tiered Cakes</h5>

                        <p>

                          Wedding cakes with three tiers gives a nice balanced

                          effect and also means you can have three different

                          cake flavours if you like. Then comes the fun part –

                          the design.

                        </p>

                        <h6 class="text-primary menu-price">

                          Rs. -- (Subject to requirements)

                        </h6>

                      </div>

                    </div>

                  </div>

*<!--Wedding Cakes-->*

                </div>

              </div>

              <div

                class="tab-pane fade"

                id="pills-vegan"

                role="tabpanel"

                aria-labelledby="pills-vegan-tab"

              >

                <div class="row">

                  <div class="col-md-6 ftco-animate">

                    <div class="media menu-item">

                      <img

                        class="mr-3"

                        src="images/Vmenu\_1.jpg"

                        class="img-fluid"

                        alt="Fruit Cake"

                      />

                      <div class="media-body">

                        <h5 class="mt-0">Fruit Cakes</h5>

                        <p>

                          Made with candied or dried fruit, nuts, and spices,

                          and optionally soaked in spirits.

                        </p>

                        <h6 class="text-primary menu-price">Rs. 800 (1Kg)</h6>

                      </div>

                    </div>

                  </div>

                  <div class="col-md-6 ftco-animate">

                    <div class="media menu-item">

                      <img

                        class="mr-3"

                        src="images/Vmenu\_2.jpg"

                        class="img-fluid"

                        alt="Biscoff Cake"

                      />

                      <div class="media-body">

                        <h5 class="mt-0">Biscoff Cakes</h5>

                        <p>

                          Lovely light sponge made with brown sugar and Biscoff,

                          it's filled and topped with smooth Biscoff

                          buttercream, and decorated with more Biscoff spread

                          and plenty of Lotus Biscoff biscuits.

                        </p>

                        <h6 class="text-primary menu-price">Rs. 750 (1Kg)</h6>

                      </div>

                    </div>

                  </div>

                </div>

              </div>

*<!--Vegan Cakes-->*

            </div>

          </div>

        </div>

      </div>

    </section>

*<!-- END section -->*

    <section class="ftco-section" id="section-gallery">

      <div class="container">

        <div class="row ftco-custom-gutters">

          <div class="col-md-12 text-center mb-5 ftco-animate">

            <h2 class="display-4">Cake Gallery</h2>

            <div class="row justify-content-center">

              <div class="col-md-7">

                <p class="lead">🎂 ~ Some of our creations ~ 🎂</p>

              </div>

            </div>

          </div>

          <div class="col-md-4 ftco-animate">

            <a href="images/Bmenu\_1.jpg" class="ftco-thumbnail image-popup">

              <img

                src="images/Bmenu\_1.jpg"

                alt="Chocolate Cake"

                class="img-fluid"

              />

            </a>

          </div>

          <div class="col-md-4 ftco-animate">

            <a href="images/Bmenu\_2.jpg" class="ftco-thumbnail image-popup">

              <img

                src="images/Bmenu\_2.jpg"

                alt="Picture Cake"

                class="img-fluid"

              />

            </a>

          </div>

          <div class="col-md-4 ftco-animate">

            <a href="images/Wmenu\_1.jpg" class="ftco-thumbnail image-popup">

              <img

                src="images/Wmenu\_1.jpg"

                alt="Fondant Cake"

                class="img-fluid"

              />

            </a>

          </div>

          <div class="col-md-4 ftco-animate">

            <a href="images/Wmenu\_2.jpg" class="ftco-thumbnail image-popup">

              <img

                src="images/Wmenu\_2.jpg"

                alt="Tiered Cake"

                class="img-fluid"

              />

            </a>

          </div>

          <div class="col-md-4 ftco-animate">

            <a href="images/Vmenu\_1.jpg" class="ftco-thumbnail image-popup">

              <img

                src="images/Vmenu\_1.jpg"

                alt="Fruit Cake"

                class="img-fluid"

              />

            </a>

          </div>

          <div class="col-md-4 ftco-animate">

            <a href="images/Vmenu\_2.jpg" class="ftco-thumbnail image-popup">

              <img

                src="images/Vmenu\_2.jpg"

                alt="Biscoff Cake"

                class="img-fluid"

              />

            </a>

          </div>

        </div>

      </div>

    </section>

*<!-- END section -->*

    <footer class="ftco-footer ftco-bg-dark ftco-section">

      <div class="container">

        <div class="row mb-5">

          <div class="col-md-8">

            <div class="row">

              <div class="col-md ftco-animate">

                <div class="ftco-footer-widget mb-4">

                  <h2 class="ftco-heading-2">Cakelicious</h2>

                  <ul class="list-unstyled">

                    <li><a href="#" class="py-2 d-block">About Us</a></li>

                    <li><a href="#" class="py-2 d-block">Chefs</a></li>

                    <li><a href="#" class="py-2 d-block">Events</a></li>

                    <li><a href="#" class="py-2 d-block">Contact</a></li>

                  </ul>

                </div>

              </div>

              <div class="col-md ftco-animate">

                <div class="ftco-footer-widget mb-4">

                  <h2 class="ftco-heading-2">Our Outlets</h2>

                  <ul class="list-unstyled">

                    <li><a href="#" class="py-2 d-block">Mumbai</a></li>

                    <li><a href="#" class="py-2 d-block">Kolkata</a></li>

                    <li><a href="#" class="py-2 d-block">New York</a></li>

                    <li><a href="#" class="py-2 d-block">Japan</a></li>

                  </ul>

                </div>

              </div>

              <div class="col-md ftco-animate">

                <div class="ftco-footer-widget mb-4">

                  <h2 class="ftco-heading-2">Contact Us</h2>

                  <ul class="list-unstyled">

                    <li>

                      <a href="#" class="py-2 d-block">Location: New York </a>

                    </li>

                    <li>

                      <a href="#" class="py-2 d-block"

                        >Contact No: 123-456-789</a

                      >

                    </li>

                  </ul>

                </div>

              </div>

            </div>

          </div>

          <div class="col-md-4">

            <div class="ftco-footer-widget mb-4">

              <ul

                class="ftco-footer-social list-unstyled float-md-right float-lft"

              >

                <li class="ftco-animate">

                  <a href="#"><span class="icon-twitter"></span></a>

                </li>

                <li class="ftco-animate">

                  <a href="#"><span class="icon-facebook"></span></a>

                </li>

                <li class="ftco-animate">

                  <a href="#"><span class="icon-instagram"></span></a>

                </li>

              </ul>

            </div>

          </div>

        </div>

        <div class="row ftco-animate">

          <div class="col-md text-left">

            <p>

              &copy; Cakelicious 2022. All Rights Reserved. Made with

              <span class="icon-heart text-danger"></span> by

              <a href="#section-home">Cakelicious</a>

            </p>

          </div>

        </div>

      </div>

    </footer>

*<!-- loader -->*

    <div id="ftco-loader" class="show fullscreen">

      <svg class="circular" width="48px" height="48px">

        <circle

          class="path-bg"

          cx="24"

          cy="24"

          r="22"

          fill="none"

          stroke-width="4"

          stroke="#eeeeee"

        />

        <circle

          class="path"

          cx="24"

          cy="24"

          r="22"

          fill="none"

          stroke-width="4"

          stroke-miterlimit="10"

          stroke="#F96D00"

        />

      </svg>

    </div>

    <script src="js/jquery.min.js"></script>

    <script src="js/popper.min.js"></script>

    <script src="js/bootstrap.min.js"></script>

    <script src="js/jquery.easing.1.3.js"></script>

    <script src="js/jquery.waypoints.min.js"></script>

    <script src="js/owl.carousel.min.js"></script>

    <script src="js/jquery.magnific-popup.min.js"></script>

    <script src="js/bootstrap-datepicker.js"></script>

    <script src="js/jquery.timepicker.min.js"></script>

    <script src="js/jquery.animateNumber.min.js"></script>

    <script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyBVWaKrjvy3MaE7SQ74\_uJiULgl1JY0H2s&sensor=false"></script>

    <script src="js/google-map.js"></script>

    <script src="js/main.js"></script>

  </body>

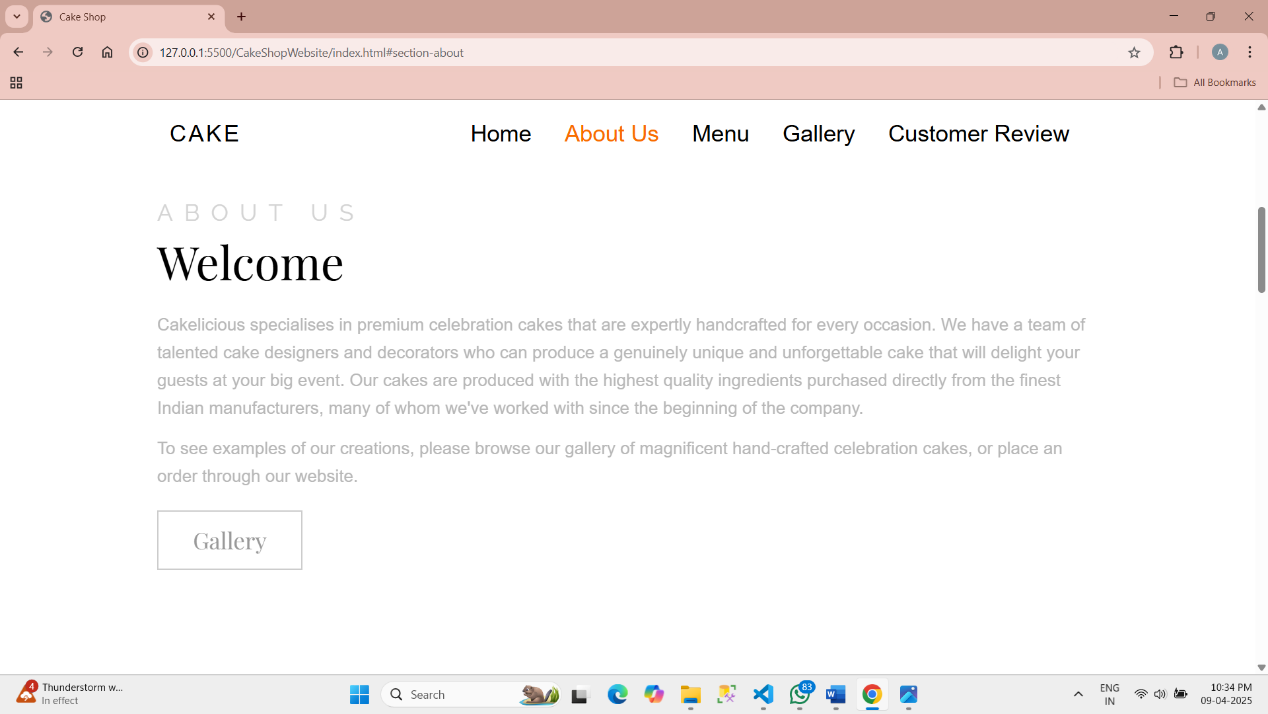
</html>

## Screenshots

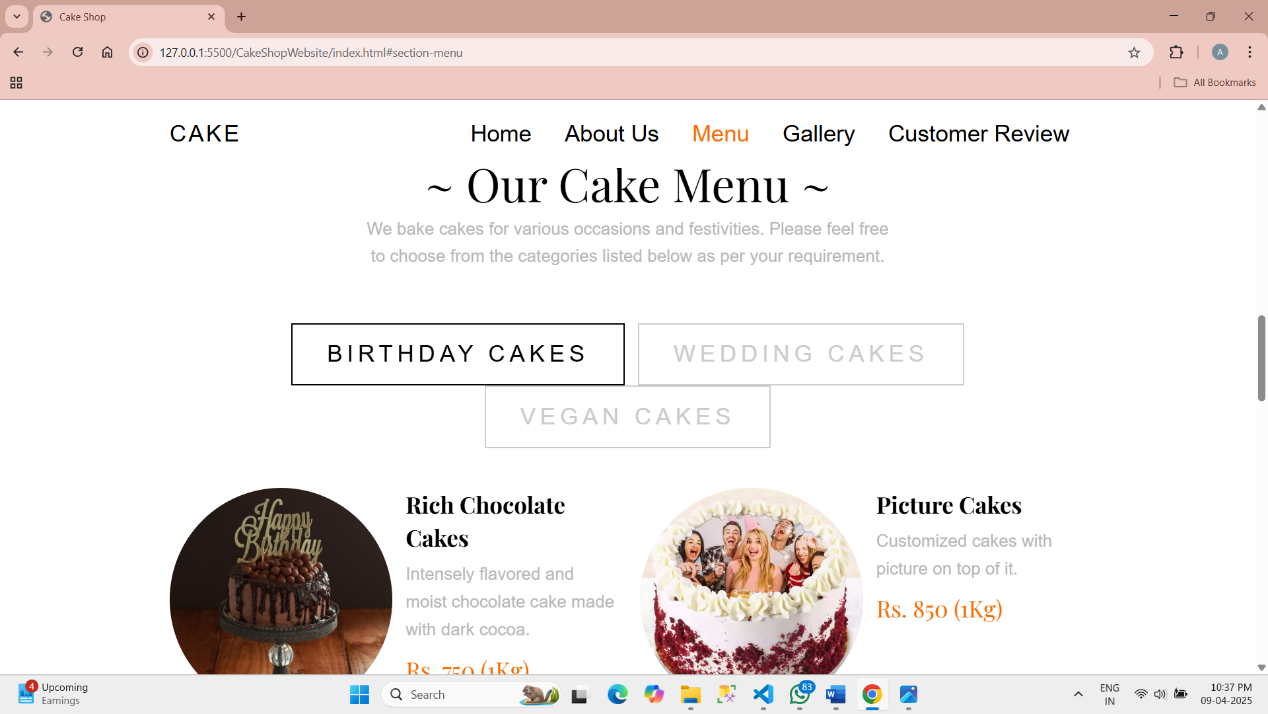
Home Page



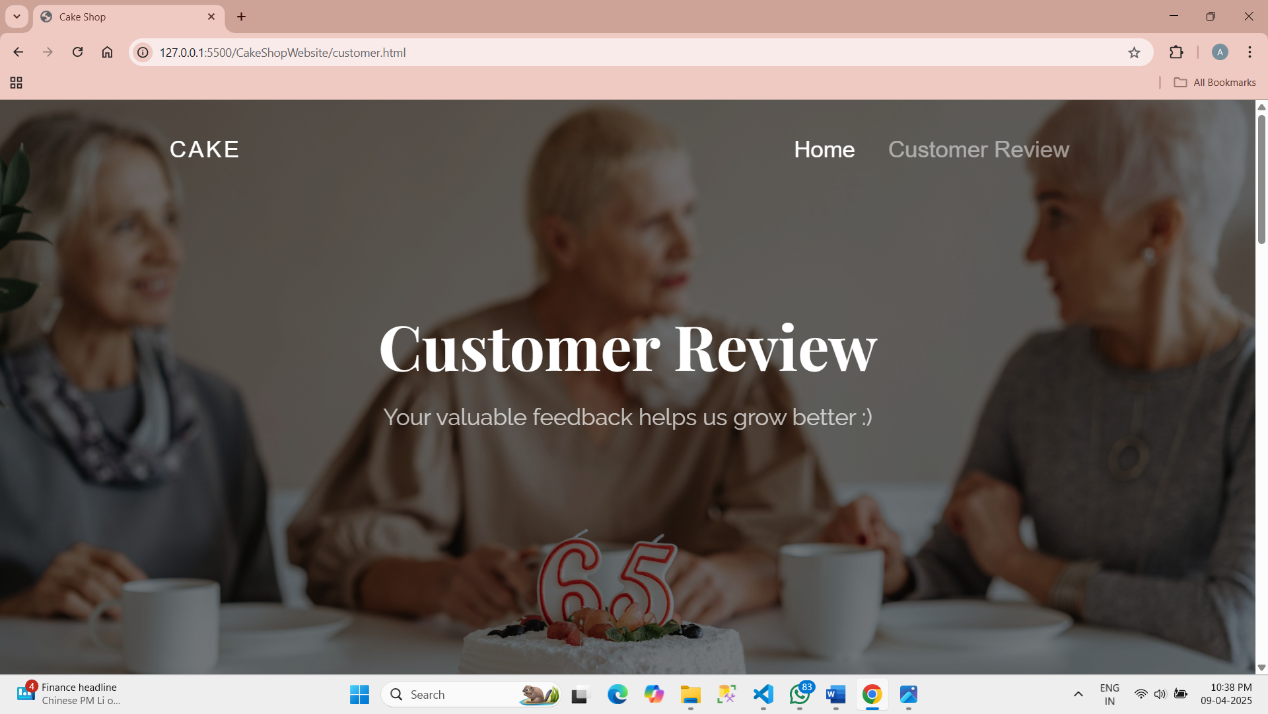
About Us



Menu



Learn More





## Advantages

1. **Quick Loading**: No backend or database means faster page loading.
2. **Easy to Maintain**: Simple structure makes future updates easier.
3. **Professional Look**: Clean UI improves customer experience.
4. **Good Learning Experience**: Enhanced understanding of HTML, CSS, and JavaScript

## Future Scope

1. **Add Backend Integration**: Connect forms to real databases.
2. **Online Order System**: Full online payment and order placement.
3. **User Login/Register**: Account creation and loyalty programs.
4. **Reviews Section**: Allow customers to leave reviews.
5. **Animations and Effects**: Use libraries like AOS.js, GSAP for dynamic animations.
6. **SEO Optimization**: Make the website search engine friendly.

## Conclusion

In conclusion, I have successfully created a **Cake Shop Website**  project using only **HTML**, **CSS**, and **JavaScript**.

The website allows users to explore the menu, check for new cake items, and get in touch with the cake shop through a contact page.  
Although there is no backend or advanced animation, the design is neat, organized, and visually appealing.  
Through this project, I enhanced my frontend development skills and learned the importance of clean structure, smooth navigation, and attractive layout.  
This project helped me understand how a real-world coffee shop website can be built using basic web development tools.

**SUMMARY**

This Cake Shop Website project was developed using **HTML**, **CSS**, and **JavaScript**. The aim was to create an attractive, easy-to-use, and informative website where users can explore different cake products, learn about new offers, and contact the coffee shop.  
The website consists of multiple pages: Home, Menu, What's New, and Contact Us. Each page is designed to be user-friendly and visually appealing using simple frontend technologies without any backend support.  
Navigation across the pages is smooth, and all the content is static, focusing mainly on layout, design, and presentation. The project highlights the importance of good user interface (UI) design even without using heavy frameworks or animations.

### ****Learning Outcomes of this project****

1. Understood the basic structure and design principles of **HTML5** webpages.
2. Learned how to style webpages effectively using **CSS3** for better visual appearance.
3. Gained experience in adding simple interactivity using **JavaScript**.
4. Improved skills in creating **multi-page navigation** in a website.
5. Developed the ability to organize content cleanly across multiple pages like **Home**, **Menu**, **What's New**, and **Contact Us**.
6. Learned how to design a **static website** without using any backend or animations.
7. Understood the importance of **responsive layouts** and neat **user interface (UI)** design.
8. Practiced creating **flowcharts** and **project documentation** for a technical project.
9. Enhanced knowledge of **website structure**: Header, Footer, Main Content, and Navigation Bars.