

# PROJECT

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Course and code Name : CYS 127 Web Programming



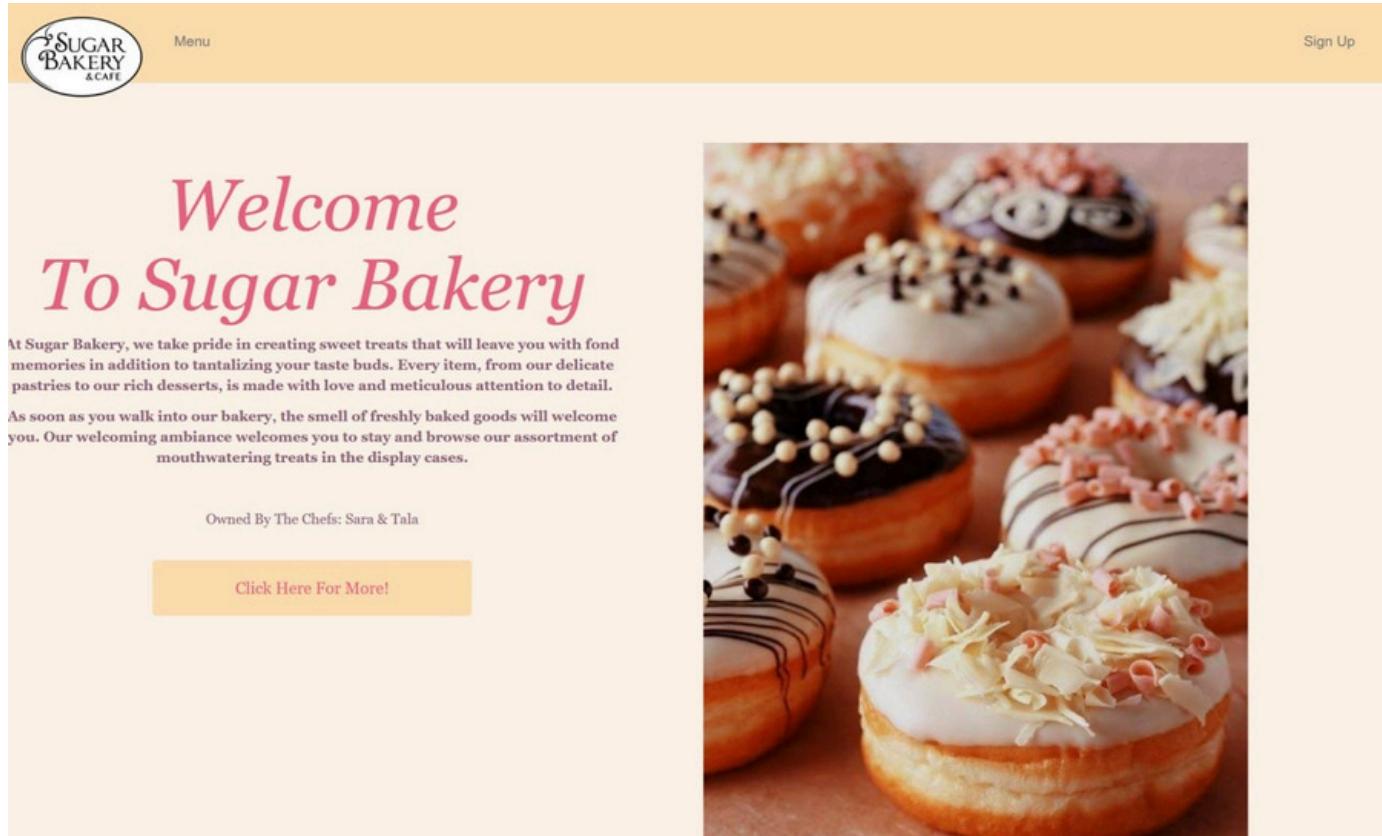
## **Introduction**

In today's digital age, bakeries, like all businesses, need a strong online presence. A well-designed landing page for your bakery store may be an effective tool for displaying your delicious goods, attracting customers, and enabling online ordering. You can create an interesting and easy-to-use website that showcases the featured offers of your bakery and its brand using HTML, CSS, and JavaScript.

The goal of the landing page is to give visitors a nice look at the world of your bakery. It should attract them, arouse their curiosity, and eventually make them look around and make purchases. Remarkable planning, seamless navigation, and easy-to-use features will improve the overall user experience and boost conversion rates.

Now let's explore our great bakery online!

# Sugar bakery



The screenshot shows the homepage of the Sugar Bakery website. At the top left is the logo "SUGAR BAKERY & CAFE". To the right are links for "Menu" and "Sign Up". The main title "Welcome To Sugar Bakery" is displayed in a large, pink, serif font. Below it is a paragraph of text: "At Sugar Bakery, we take pride in creating sweet treats that will leave you with fond memories in addition to tantalizing your taste buds. Every item, from our delicate pastries to our rich desserts, is made with love and meticulous attention to detail. As soon as you walk into our bakery, the smell of freshly baked goods will welcome you. Our welcoming ambiance welcomes you to stay and browse our assortment of mouthwatering treats in the display cases." Below the text is a small line: "Owned By The Chefs: Sara & Tala". A yellow button at the bottom left says "Click Here For More!". To the right of the text is a large image of several decorated donuts.

The homepage of our website, Sugar Bakery, is the home or introductory page that visitors see when they first arrive at our website. It serves as the virtual storefront and provides an overview of our bakery, the home page includes basic information such as the bakery name, logo, welcome message and visually attractive layout. It also contains a button that takes you to the products page ready to order and sign up

Ultimately, the goal of the homepage is to encourage them to explore our website further and eventually become customers.

Now let's see the buttons we have on this page, their meaning is on the next page.

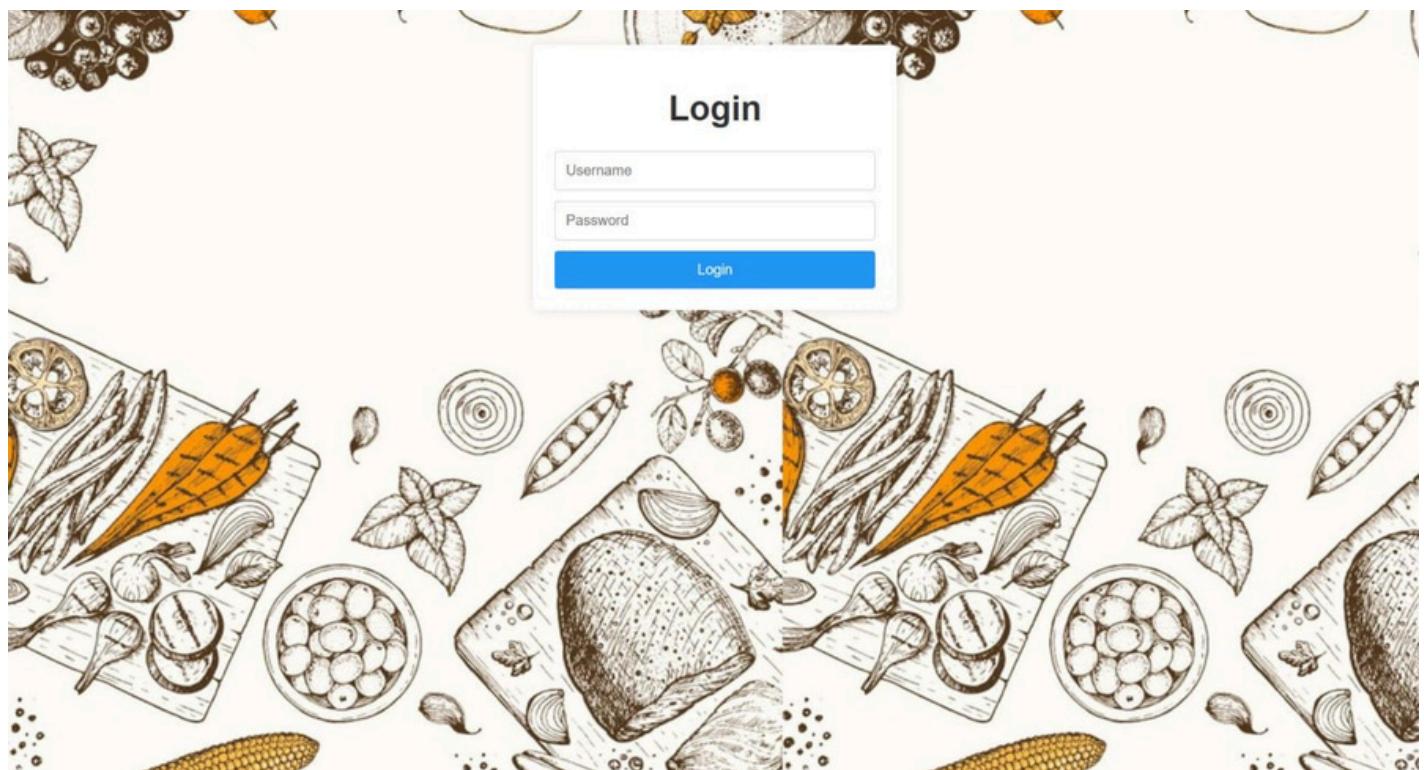
# Sugar bakery



**The first button:** It will take you to the menu page, in which you will see the items we have on the site.

**The second button:** it will take you to a page to sign up for your access to order from our site

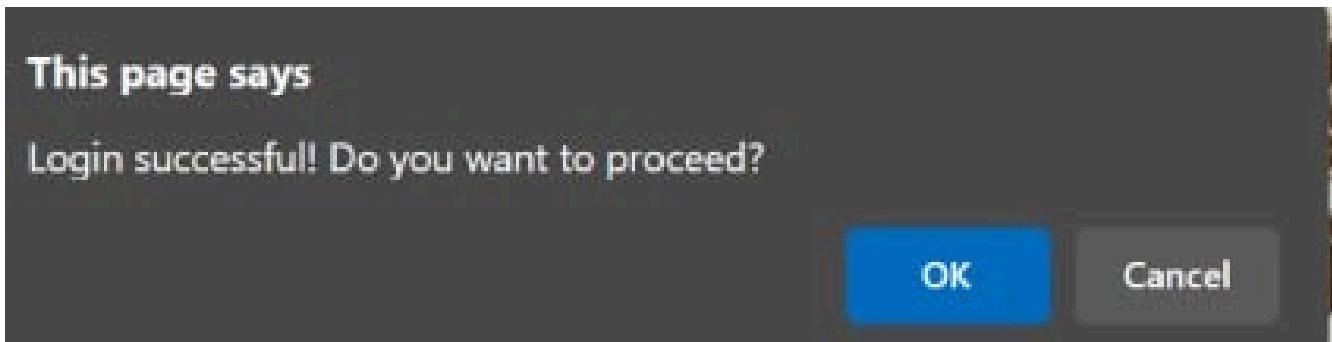
This is what will appear when you press the sign up button :



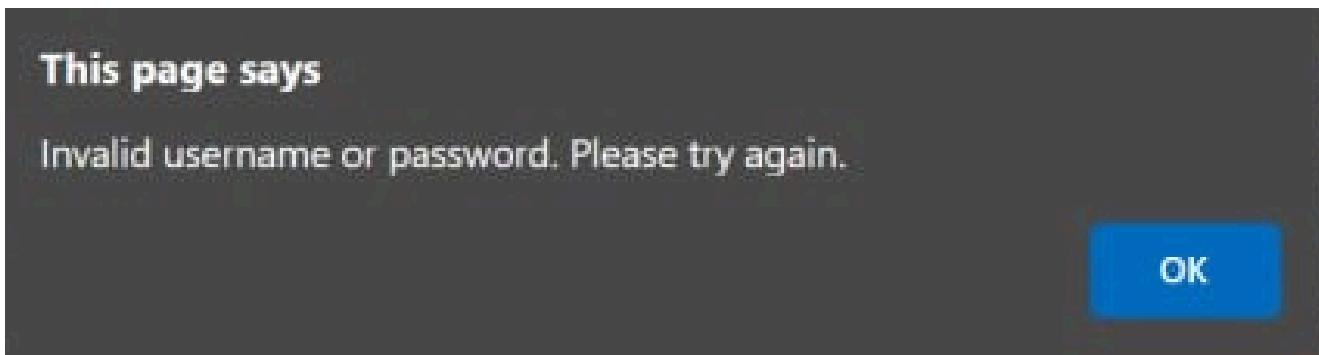
- You must make sure that you enter the information correctly.

# Sugar bakery

- If your registration attempt is successful, you will be shown this box.  
If you press the OK button, it will take you to the menu page, and if you want to stay on the same page, press cancel.



- 
- If your attempt to register your information is wrong, this box will show you, and if you click OK, you can re-enter your information again correctly.



# Sugar bakery

The screenshot shows a website for "SUGAR BAKERY & CAFE". At the top, there's a navigation bar with a logo, "Home", "Sign Up", and "Cart". Below the navigation, there are three main menu items displayed in separate boxes:

- Coffee** (\$3.99): An iced coffee drink with ice cubes.
- Cakes** (\$2.99): A slice of cake with white frosting and red raspberries on top.
- CupCakes** (\$1.00): A chocolate cupcake topped with chocolate frosting and a raspberry.

Below each menu item, there is a short descriptive sentence:

- "Here at Sugar Bakery, baking is the passion. Come and visit - your taste buds will thank you!" (under Coffee)
- "We use only the finest and freshest ingredients to create pastries that will warm your heart." (under CupCakes)

The second page of the menu on our Sugar Bakery website is a section that provides a continuation of the delicious offers available at the bakery. It is an extension of the initial menu page and is designed to display additional items that customers can choose from. This page includes a variety of baked goods, such as specialty cakes, coffee and cupcakes. The second page of the list aims to give customers a comprehensive view of the wide range of options available to them and entice them to explore more and make delicious choices for their intense desire.

Now let's see the buttons we have on this page, their meaning is on the next page.

# Sugar bakery



Home

1

Sign Up

Cart

2

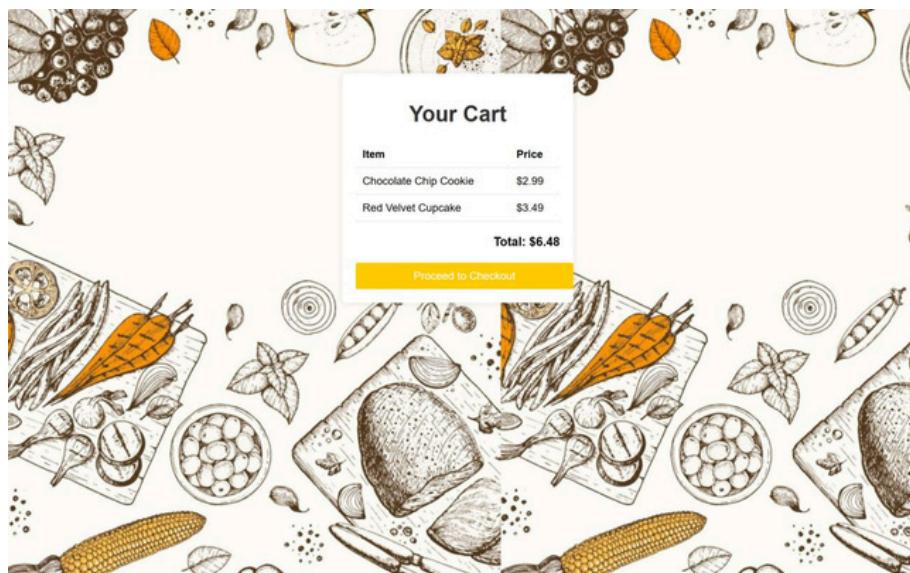
3

**The first button:** It will return you to the homepage

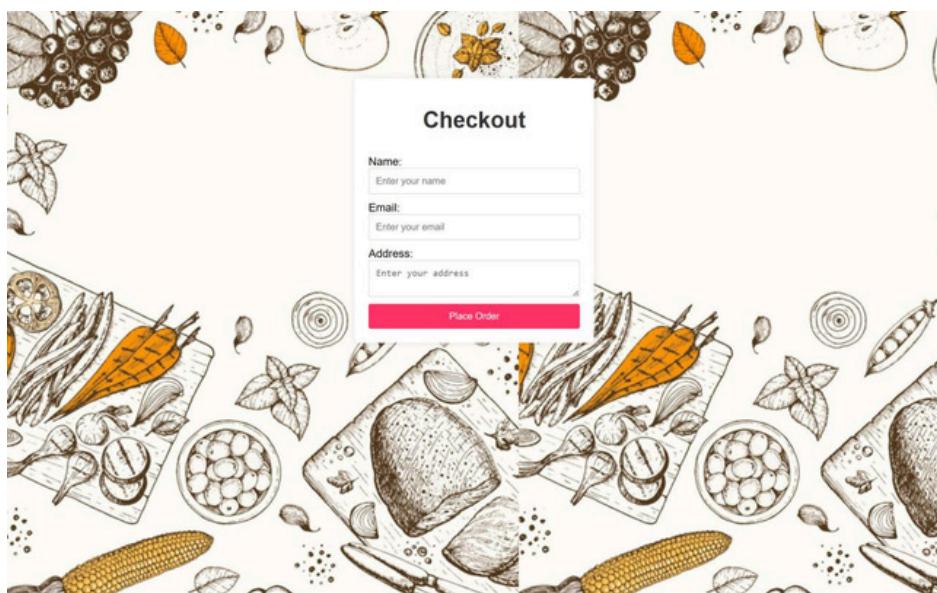
**The second button:** it will take you to a page to sign up for your access to order from our site

**The third button:** it will take you to the cart, which will show the total price of your purchases and what you added items from our site

This is what will appear when you press the cart button :

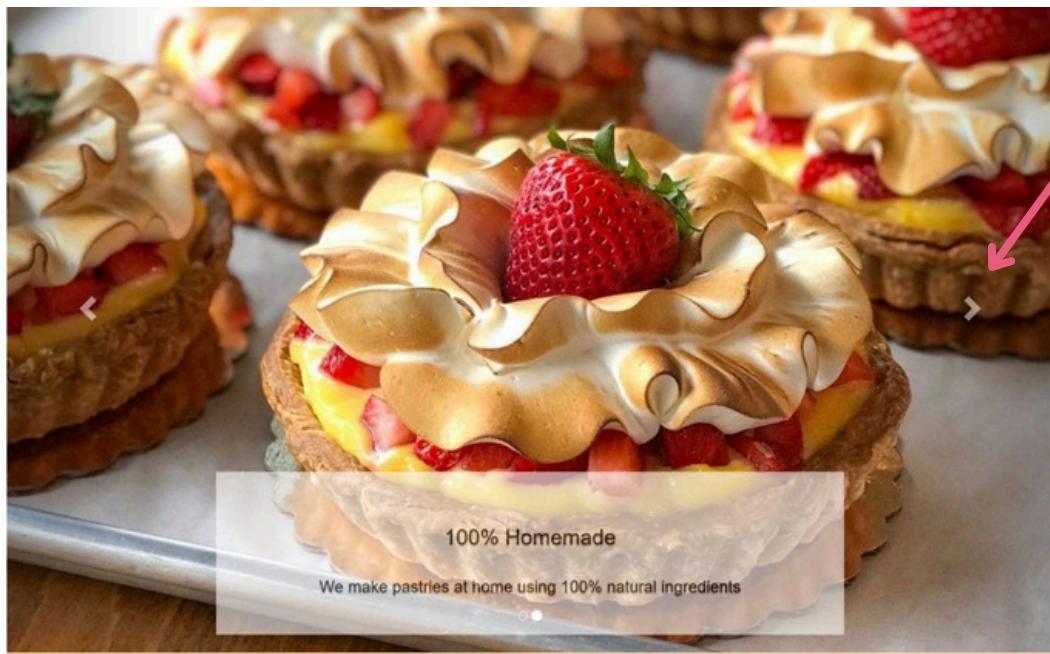


Then you press the checkout button, and this is what will show you.



# Sugar bakery

At the bottom of the second page, you will show the total of animated pictures, you can see the following picture of our collection through this button.



Shop online

Grab & Go In-store Pick Up  
Order Baked Goods

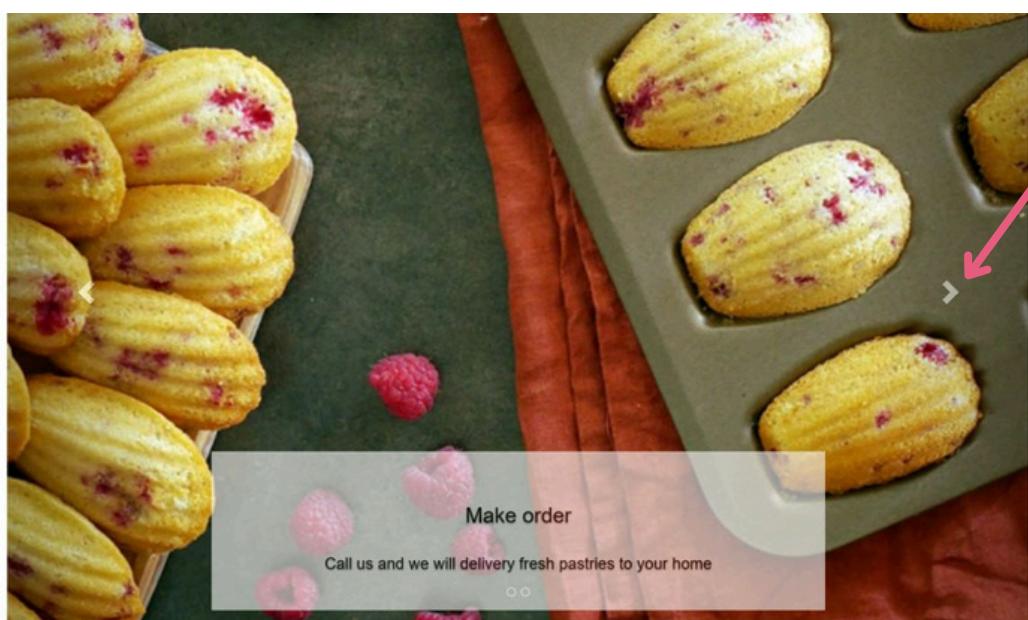
Our menu

Explore our menu

About

FAQs  
Store policy

New, you will see the next pictures of our collection



Shop online

Grab & Go In-store Pick Up

Our menu

Explore our menu

About

FAQs



## Case Study

Rose Rubin's bakery website is user-friendly and responsive across a wide range of devices and screen sizes.

On desktop computers, the Rose Robin Baked website automatically adjusts its layout to fit the screen size and presents content in a user-friendly manner. The website is designed to maximize the amount of space available and give users a comfortable experience. The website's design automatically adjusts to smaller screen sizes when viewed on tablets or smartphones. The user experience has been enhanced and item ordering modified to guarantee maximum usability, making the information easy to navigate and engage with.

Furthermore, the Rose Robin baked website's user experience is made to be nice and simple to use. Clear and uncomplicated navigation menus are provided, and buttons and links are aesthetically pleasingly and conspicuously made to facilitate selection and clicking.

Furthermore, site performance and loading times are tuned to guarantee quick browsing and seamless response. In order to give users a seamless and trouble-free experience, images and material are optimized for speedy compression and uploading, and best practices are implemented to improve site performance.

Additionally, by carefully structuring the content, judiciously utilizing colors, shapes, and fonts, and delivering a user-friendly interface for simple navigating between categories and goods, it is intended to draw attention to significant content, such as product offerings.



## Case Study

Rose Rubin owner had a dream of starting her own online ordering bakery. She looked at various languages used in server-side development. She was drawn to PHP's ease of use and used it to create a powerful website. She was curious, so she used Django to investigate Python and was drawn to its scalability and simplicity. She played around with Ruby on Rails as well, being impressed by its advantages for efficiency. She became aware of the enterprise-level features of Java and C# and found out about Node.js, which allows for unified JavaScript development. Rose owner made her decision and created a successful bakery website after taking her needs into account. The narrative emphasizes how crucial it is to select the appropriate technological stack for digital aspirations. And so, Rose Rubin's bakery prospered thanks to a stunning website that allowed clients to peruse her mouthwatering delights and was driven by the appropriate server-side programming or scripting language and easily place orders. The tale of Rose's Bakery serves as a reminder that realizing digital goals requires selecting the appropriate technological stack.

A persistent danger to Rose Rubin's flourishing bakery was security flaws. A hacker by the name of Malachi obtained consumer data by taking advantage of shoddy login procedures. Malachi also found holes in the code that allowed him to alter orders and take data. Rose dispatched a cybersecurity team after realizing the threat. They strengthened the website against attacks, examined the code, and put strong security measures in place. Rose's Bakery went secure, safeguarding client information and guaranteeing a reliable online experience. The emphasizes how critical it is to fix vulnerabilities in order to protect



## **Conclusion**

In conclusion, the HTML, CSS, and JavaScript-based bakery site provides users with a visually enjoyable and easy-to-use interface. We have arranged the website with HTML to make navigation simple.

We were able to create the website with stunning colors, lettering and layouts thanks to CSS, giving it a polished and engaging look. JavaScript has improved website functionality by allowing interactive elements such as dynamic menus and image galleries.

We can't wait to deliver our delicious services and provide our customers with an impeccable online experience. Come and explore our website and taste delicious desserts at our bakery.

## **References**

"HTML and CSS: Design and Build Websites" by Jon Duckett

"JavaScript and JQuery: Interactive Front-End Web Development" by Jon Duckett