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CIS344 Project 1

Documentation for Delicioso Winery

Creating the Delicioso Winery website was a multifaceted project that required careful planning, structured implementation, and a strong focus on user experience. The website was designed not just as an online presence but as a digital embodiment of Delicioso Winery's brand—an experience that captures the warmth, quality, and elegance of the winery. Each page, from the homepage to the backend order processing, plays a pivotal role in shaping a seamless and engaging journey for visitors. Through a detailed step-by-step breakdown, this explanation will explore each file's function, development process, and the overall design choices that came together to create this immersive digital platform.

Starting with the homepage (`index.html`), the design needed to establish a strong first impression while providing intuitive navigation for visitors. The initial layout begins with a `DOCTYPE` declaration to ensure the page aligns with HTML5 standards, promoting cross-browser compatibility and modern web functionality. In the `<head>` section, meta tags are used to improve mobile responsiveness, particularly through the viewport tag, which ensures the page scales properly on various devices. The styling is controlled through `style.css`, a separate stylesheet linked to the homepage, allowing for consistent visual formatting across each page. Additionally, Boxicons are linked to provide iconography, adding subtle visual elements that enhance navigation and interaction.

The `<header>` is structured to reflect Delicioso Winery's brand identity, integrating a navigation bar with links to "About," "Lists," and "Contact." The brand's logo, included as a clickable element, reinforces brand visibility and functions as a convenient link to return users to

the homepage. The body of `index.html` then introduces a large, welcoming image accompanied by an introductory message that captures Delicioso Winery's ambiance and dedication to quality. This section, designed to be both visually inviting and informative, draws users into the website while setting a warm, approachable tone. A scroll-to-top button, implemented with JavaScript, further enhances the user experience, allowing users to navigate long pages seamlessly.

The `about.html` page serves as the storytelling element of the site, designed to provide users with insight into Delicioso Winery's history, values, and philosophy. This page is crafted not only to inform but to connect, fostering an emotional link between the winery and its visitors. The layout of `about.html` mirrors the homepage in terms of structure and styling, promoting continuity in the user experience. The header and footer are replicated from `index.html`, ensuring users maintain a sense of orientation as they navigate through the website.

The main content area of the `about.html` page is centered on narrative and imagery. A full-width image of the vineyard or tasting room introduces users to the brand's environment, setting a visually engaging backdrop for the story that follows. Short, purposefully written paragraphs guide users through the winery's journey, from its origins to its mission and commitment to quality. Subheadings, styled with CSS to stand out visually, help organize the text into digestible sections. This layout strategy ensures that information is easy to follow and visually pleasing, enhancing readability and making the brand's narrative more memorable. Through this storytelling approach, users aren't just informed about the winery—they are invited to become part of its journey.

Next, the `lists.html` page offers an organized catalog of Delicioso Winery's product offerings. The purpose of this page is to showcase the winery's wines in a way that's accessible,

visually appealing, and informative. Structured with a CSS flexbox layout, the product grid is designed to be responsive, adjusting seamlessly across different screen sizes and devices. Each wine is represented within a `product-card`—an individual container that holds the wine's image, name, description, and price. Using CSS, each card is styled to ensure that the text and images are balanced, making the catalog visually organized and easy to browse.

For added functionality, the CSS styling includes badges on specific products, like "SALE" or "Najiyahs Fav," which are applied using absolute positioning. These badges draw attention to items that may be of particular interest to users, enhancing the browsing experience. Media queries in the CSS enable the product grid to adapt dynamically to screen size, showing multiple columns on desktops and adjusting to fewer columns on smaller screens. This responsive design ensures that users can browse the product catalog comfortably, regardless of the device they're using. In structuring the catalog in this way, `lists.html` transforms the product showcase into an accessible, user-centered experience that reflects the winery's commitment to quality and care.

The `orderform.html` page represents the site's first point of active user interaction, as it allows visitors to place orders directly. This form was carefully designed to be as user-friendly as possible, incorporating input fields for different types of wine and a text area for the shipping address. Each input field is labeled clearly, with placeholder text to guide users through the ordering process. The form is structured within a `<form>` element that specifies the `POST` method, directing submissions to `order.process.php` for secure handling.

To maintain data accuracy and prevent input errors, each field has attributes like `maxlength`, limiting the number of characters that can be entered. This design choice helps streamline the order submission process by reducing potential mistakes. CSS is applied to keep

the form's appearance consistent with the rest of the site, with padded input fields and a submit button styled to match the brand's color palette. By balancing clarity, functionality, and aesthetic appeal, the `orderform.html` page provides users with a smooth, straightforward ordering experience, allowing them to interact directly with the brand in a way that feels seamless and efficient.

The backend processing is handled by `order.process.php`, a PHP file responsible for validating and securely processing data submitted from `orderform.html`. Upon form submission, the PHP file checks for a `POST` request, ensuring that data is only processed when intentionally submitted. Each field is retrieved using PHP's `$_POST` array, allowing the server to capture each piece of data—such as the quantity of red wine ordered—accurately. Basic validation is applied, ensuring all inputs are complete and formatted as expected; for example, the quantity fields must contain only numeric values.

If the data passes validation, it can either be saved in a database or forwarded via email to the winery staff, enabling efficient order management. This backend processing step is crucial, as it transforms a simple HTML form into a reliable ordering system. Additionally, error-handling mechanisms are included to provide feedback if the user submits invalid data, prompting them to correct any mistakes before resubmission. This validation and feedback loop enhances the reliability of the order process, providing users with the assurance that their orders are managed accurately and securely.

Lastly, `contact.php` serves as a dedicated channel for users to reach out to Delicioso Winery, fostering communication beyond simple transactions. The contact form includes fields for name, email, and message, with each input validated upon submission. PHP is used to check the data, ensuring fields are filled out correctly and that the email address is formatted

properly. Once validated, the data can be sent to the winery's customer service team or saved for follow-up, enhancing the winery's engagement with customers.

By implementing this structured contact process, `contact.php` helps reinforce the brand's commitment to customer care. This page is more than just a form; it's a means for the winery to build trust, showing that they value user inquiries and are responsive to feedback. The form layout and functionality align with the rest of the website, maintaining a consistent aesthetic and user experience.

Throughout the entire process a major set back for me was the PHP backend pages. I am very familiar and versed in HTML and Java however PHP is a new concept to me and it was difficult integrating into systems I am already comfortable with without errors populating.

Overall, the Delicioso Winery website combines thoughtful design, responsive functionality, and secure backend processes to create a platform that reflects the winery's values. Each page, whether it's showcasing products, handling orders, or facilitating communication, is crafted to deliver a seamless, cohesive experience. This approach transforms the website from a simple information portal into an interactive, brand-centered environment that invites users to engage and connect with Delicioso Winery in a meaningful way.