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BLOCK 5

FRONT-END DEVELOPMENT

**INTRODUCTION:**

Petal Picks is the ultimate destination for all floral and botanical plants. It offers an extensive selection of flowers and plants catering to all gardening and decorating needs. Petal Picks provides a user-friendly interface which allows customers to effortlessly browse through our curated collection of blooms and greens, making it easy to find the perfect petals and plants for your space.

**WEB TECHNOLOGIES:**

1. **Structure and Content (HTML):** HTML is a fundamental tool for organizing web content. It provides a framework for creating various elements such as headings, paragraphs, lists, images, links, forms, and more. By defining the semantic structure of your web pages, HTML makes it easier for both humans and search engines to understand the content.
2. **Design and Layout (CSS):** CSS is a powerful tool used to style and format the website. It enables you to manage the visual presentation of HTML elements, including defining fonts, colours, spacing, positioning, and responsive design. CSS can ensure that the website looks visually appealing and is compatible with various screen sizes and devices.
3. **Interactivity and Functionality (JavaScript):** JavaScript is a programming language that adds interactivity and dynamic behaviour to the website. By using JavaScript, the website can have various features such as form validation, interactive forms, image sliders, real-time updates, and complex functionalities like web applications. It allows to respond to user actions, making the website more engaging and user-friendly.
4. **Responsive Frameworks:**

* **Bootstrap:**

Bootstrap is a well-known front-end framework i.e. highly regarded for its ability to create responsive designs. It simplifies the process of building websites that seamlessly adapt to various devices and screen sizes. With its responsive grid system and pre-designed CSS components, it ensures a consistent user experience across devices. This tool is essential for developers to efficiently create visually appealing and device-friendly websites.

* **jQuery:**

jQuery is a powerful and versatile JavaScript library that excels in manipulating the Document Object Model (DOM) and handling events. Its concise syntax simplifies the selection and modification of HTML elements, making it the go-to choice for adding interactivity to web pages. jQuery offers streamlined event handling, simplifying responses to user interactions such as clicks, form submissions, and keyboard events. This framework is a crucial asset for creating dynamic and engaging web experiences with utmost efficiency.