Day & OZ

Planning The Technical. Foundation.

1. Define Technical Requirements

=> Frontend Requirements:

10 ensure a Seam uses experience the frontend of website will be designed with the following Considerations:

* Frame Work Selections:

The ontend will be built using Next is · a React based frame work senowned for its ability to render pages effeciently.

· Server side rendering ensure dynamic pages load greickly by generating HTML on

· Static Sité generation boosts performance for pages like the Home and about pages by

. pre geneating Content during the built

process · API Routes provide built-in API souting Capabilities Simplifying the integration of

a User Friendly Interface: have a clean, Intuitive and The weeks and enhance your engagement.

The Navigations will be simple and structured,

allowing user to find desire Section and

notion effortlessly. perform action effortlessly. a Responsiveness: o The design will be fully responsive, ensuring optional functionalities and appearance on both desktop and mobile devices. · Tailwind Css will be used to implement. responsive utililies effeciently, supporting multiple Screen Size and resolutions. > Pages And Features: Home and Highlight featured products, promotions Or Categorie

About pages its mission, and value to build trust Troduct pages: Display all products categorized for Include filter (e-g price, category, Rating and Strong option for a better shopping Product Detail Page: Show detailed information about a Selected product, including images, Price Display products added to cart with update quantities 4 applicable

Wishlist page: Allow uses to lave product refferences for future or purchase Order Tompleted Page: Confirm Successful order placement with a Summary of order detail and tracking information. Contact Page: Include a page for uses to send inquires feed back or support requests. Login / Sign up Pages: provide secure user authentication for account Creation and login offer a smooth on boarding enperience with option for password reset and Social media login. => Technology Stacks By meeting these requisements the frontend will delivered a uses enperience, and engaging can easily navigate , explore

and intract with the website across all devices. Sanity CMS as Backendi The backend for market place will be powered by Sanity CNIS, a headless Content management system that will act as the data base to manage and Served Structured data . This ensure a Scalable and flexible backend infrastructure to support the market place's need. -> Gose Functions Of Sanity CMS: · Product Data Management Store and manage product details, including names, descriptions, price Stock levels, categories and images. Enable dynamic updates to product listing without redeploying the frontend-

· Customers Data Management: Maintain Customers record account details, Shipping order histories · Order Record : Store order information, Such as product details, customes data, payment status and Order time ship facilitate scamless orde => Sanity CMS As Database: Define custom Schemas for products and orders to align with the Market place's data requirments. Sanity's real time API ensure that changes · Real Time Update: in the backend are immidietly reflected on The frontend.

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