Hackathon 03 Day#02

Technical Requirements:

Requirements to write code:

Vs code

Requirements for Front-end:

Knowledge:

HTML, CSS, Javascript, React, Next.js, Shadcn ui, Tailwind-CSS, GitHub and Vercel.

Installation:

npm, node.js, next.js, shadcn ui, and react-icons.

User Interface and functionalities:

Home page, Product listing page, Product Detail page About page, Contact page, Add to cart, login, shipping tracking, Add to Wishlist, add or remove products and inventory.

Requirements for Back-end:
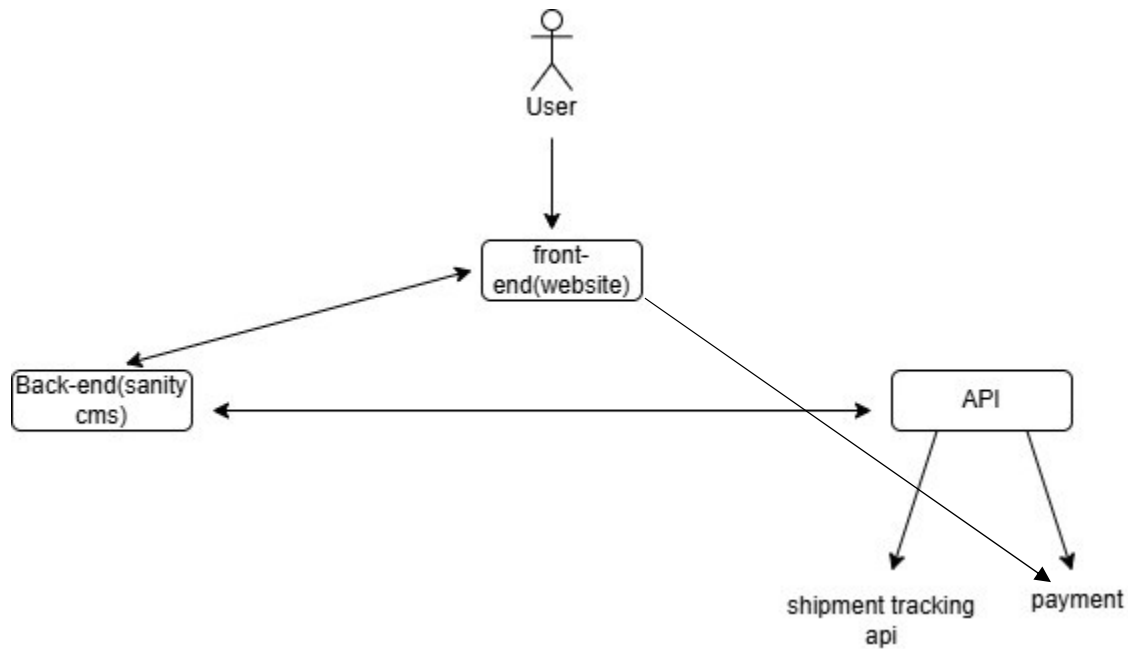
Installation:

Sanity.io

Database:

Sanity act as database manage product data, customer details, and order records.
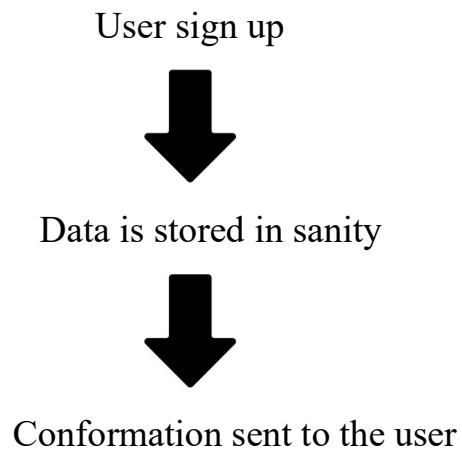

API:

Provide data for integration different back-end services like payment, shipping tracking.

Design System Architecture

User will interact with the website to view product or Buying products. User browse website reach at home page.
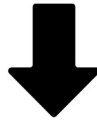
User Registration Work Flow:

User sign up

⬇

Data is stored in sanity

⬇

Conformation sent to the user

View Website:

Home page

⬇

Header/ Navbar, Hero Section, Feature Section, Products Overview Section, Banner Section, Email Section, and Footer.

About page

⬇

Header/ Navbar, Hero Section, Feature Section, Banner Sections, Email Section, and Footer.

Product listing page

⬇

Header/ Navbar, Hero Section, Products cards, and Footer.

Product Details page

⬇

Header/ Navbar, Product Detail (Image, product name, price, description, dimensions, Add to cart button) Products Overview Section, Feature Section, Email Section and Footer.

Add to Cart Page

↓

Header/ Navbar, Hero Section (Title, products, quantity, total price, subtotal and Go to check out button)

Product Browsing and Order Place Work Flow:

User

↓

Browse Website

↓

Header /Navbar go to navigation section click on product

↓

User Navigate to products Listing

↓

Front-end fetch API data of products Listing page from Sanity CMS / browse send get request to fetch data of Product page.
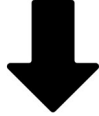
↓

After page fetching view and decided to see detail page to make choice to buy which product.

↓

Front-end fetch API data of products Detail page from Sanity CMS / browse send get request to fetch data of Detail page.

⬇

After page fetching view and decided to see detail page to make choice to buy which product and user add to product.
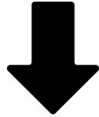
⬇

Proceeds to checkout

⬇

And order details stored in sanity.

Shipment Tracking:

Order status updates fetch by Third part API

⬇

Display to user