Technical Foundation

There are Two Major Part of Website Front end and Backend

Frontend

In Frontend i am gonna use these frameworks and libraires

Next.js

Next.js is best and powerful Framework to make web-apps in a very powerful way

Tailwind Css

For Design my marketplace i will use Tailwind css it makes ui designing so simple and quick

Shadcn

I will use shadcn to use bult-in components like Button Card and badges

Backend

In Backend i am gonna use these tools and Frameworks and libraries

Sanity.io

sanity is headless cms, i will Use Sanity to Store Product data with all its details

Shipengine

To Use for Shipment of product to Customer

Redux-toolkit

I am gonna use it for handling the card section like add remove update and checkout the products

API endpoints

For shipment tracking and payment progressing,API needs to be integrated.The purpose of these APIs is to provide necessary data to the frontend

Web Outline

Our web will Contain 5 pages

Home

Main Home Page

Men

A page where i will showcase mens products

women

A page where i will showcase womens products

Teens

A page where i will showcase Teens products

Cart

A page where customer adding there wnated iteams

WorkFlow

I will begin by fetching data from the API provided by my teacher and injecting it into Sanity CMS for efficient and centralized data management. This will allow me to organize and update the product information seamlessly. From Sanity, I will retrieve this data and display it on dynamic pages in the frontend, ensuring a responsive and user-friendly experience for customers.

To enable shopping functionality, I will create a fully functional cart system using the Redux Toolkit, allowing customers to add, remove, and manage their selected products easily. For the shipment process, I will integrate ShipEngine, which will handle real-time tracking of orders. Customers will be able to monitor their shipments as they move from my e-commerce store to their specified delivery addresses. This approach will ensure a smooth, reliable, and engaging shopping experience for all users.