*MARKET PLACE BUILDER HACKATHON 2025*

*DAY 2*

*OVERVIEW OF SYSTEM ARCHITECTURE*

*SPORTS ACCESSORIES, SHOES AND GYM WEAR*

*MY WEBSITE WILL SHOWCASE HIGH QUALITY ACTIVE WEAR AND SHOES*

*DETAILS OF FRONTEND PAGES:*

There will be basic pages like **Home, About us**, **Contact us**, **login/signup** and **Product Detail** page. The product detail page would further take the customer to dynamic routes like **product description** and the **cart** and **checkout pages**.

*SANITY*

Sanity is a content management system and it allows its users to create their own **schemas** and manage websites hassle free. I will be using it to store all my stuff that has to be changed frequently so that my client doesn’t have to rush to me or any developer to make frequent changes. Sanity will be used to store **product detail** and description, **customer data** and **order details**.

*THIRD PARTY API’S*:

APIs tend to give some sense of function to our project. The built in data and data structure help programmers to integrate into their project and link the website into real world.

*PAYMENT GATEWAY*: use of local banking services or solutions like **easypaisa** and **JazzCash**.

*ORDER AND TRACKING*: integrating with logistic partners delivery system.

*DELIVERY SERVICE*: integrating with courier services like **DHL** or **Leopards** for fast delivery

TECHNICAL REQUIREMENTS:

* Responsive Frontend using Next JS
* Sanity CMS for product catalog management
* Payment gateway integration
* Order management system

System Architecture:

Frontend: Next JS

Tailwind CSS

*Key Workflows*:

* Product browsing and search
* Add to cart and checkout
* Order placement and management
* User account management

API Endpoints:

* Get/products- Fetch product catalog
* Post/orders- Place new order
* Get/orders/id- Get order details

*Sanity Schemas*:

* Product: {name,price,category,image,description}
* Order: {customer id, product id, total, status}

*Notes:*

* Focus on high quality product images
* Implement robust search and filtering
* Provide detail product info
* Implement wishlist functionality

**Search Product**

**Apply Filter**

**Choose Product**

**Buy?**

**Add to Wishlist**

**Add to Cart**

**Place Order**

**Ship Product**

**Collect Payment**

**Yes**

**No**

**Receipt**

**ECOMMERCE FLOWCHART**