

Technical Requirements

1. Frontend Requirements

- **List all essential pages you need to create for the project:**
 - **Home Page:** To display featured products or categories.
 - **Product Listing Page:** A page showing all products or filtered products.
 - **Product Details Page:** A detailed view of a specific product.
 - **Cart Page:** A page where users can see and update items they've added to their cart.
 - **Checkout Page:** To collect payment and delivery information.
 - **Order Confirmation Page:** To show a summary after an order is placed.
- The interface should be user-friendly with search bars, filters, and product details.
- The design must be responsive so it works on desktops and mobile devices.

2. Sanity CMS as Backend

- **Sanity CMS will store and manage my marketplace data, like:**
 - **Products:** Name, price, description, images, stock status.
 - **Customers:** Name, email, address, order history.
 - **Orders:** Products purchased, total cost, order status.
- **Create a schema for each type of data. A schema defines the structure of data in Sanity CM. For example:**
 - **Product Schema:**

```
json
{
  "name": "product",
  "fields":
  [ { "name": "name", "type": "string" },
    { "name": "price", "type": "number" },
    { "name": "description", "type": "text" },
    { "name": "image", "type": "image" }
  ]
}
```

3. Third-Party APIs

- **Think about the external tools I'll need for my marketplace:**
 1. **Shipment Tracking API:** To allow users to track deliveries (e.g., EasyPost or Aftership).
 2. **Payment Gateway API:** To process payments (e.g., Stripe or PayPal).

How I will use these APIs. For example:

- Shipment Tracking API will send order updates to users.
- Payment Gateway API will securely handle online payments.

