

Marketplace Technical Foundation - Avion

Frontend Requirement:

Creating a e-commerce website using Next.js, tailwind CSS and Shadcn. The website will have a clean and intuitive design, making it easy for user to navigate and find products.

Essential Pages:

- Home page
- Product listing page
- product detail page
- Cart page
- Checkout page
- Order conformation

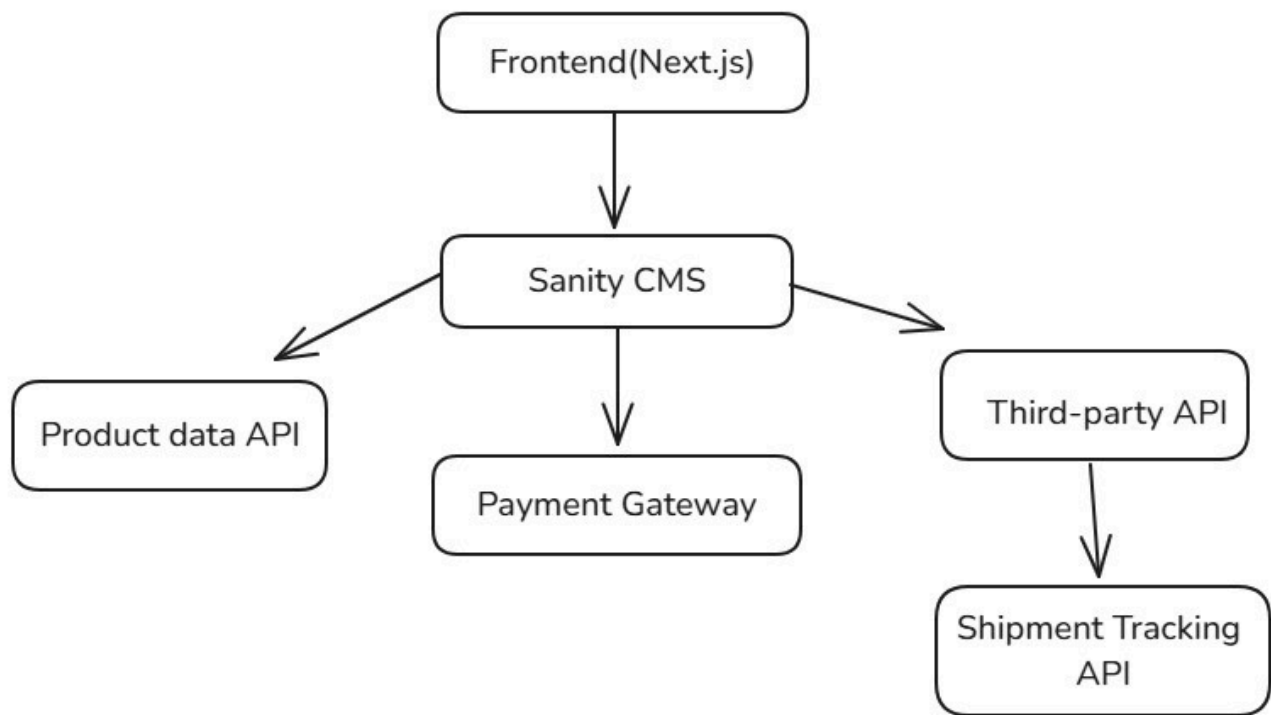
Sanity CMS as Backend:

Sanity CMS will be used to store and manage all product information.

Third-Party APIs

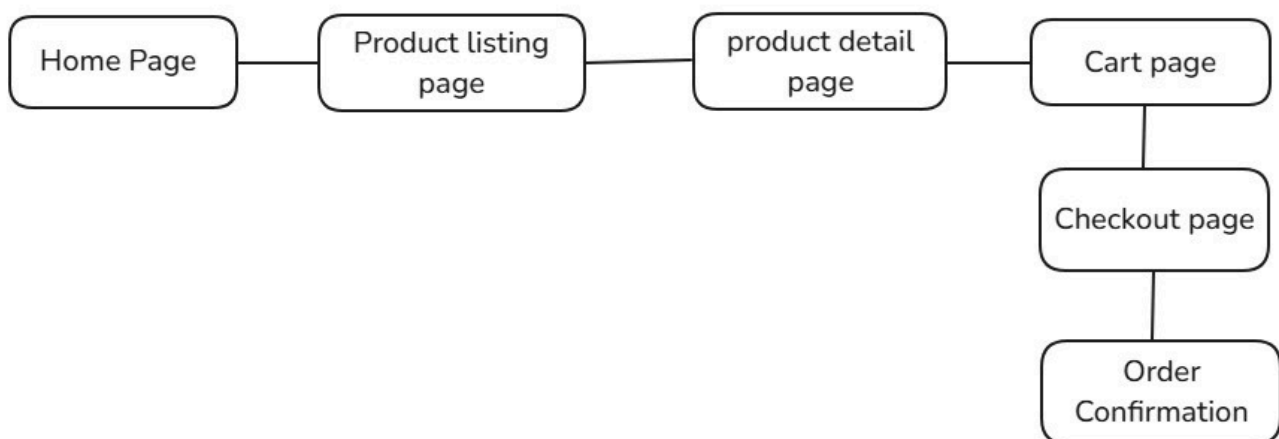
- **Payment Gateway API:** Handle payment processing, allowing users to make secure transaction.
- **Shipment Tracking API:** Provide real time update on shipment status.

System Architecture:



Flow Chart:

- **Homepage:** User land on homepage.
- **Browse Products:** User looks at the product listing.
- **View Product:** User clicks a product to see more details.
- **Add to Cart:** User adds the product to their cart.
- **Checkout:** User clicks checkout to proceed with buying.
- **Payment:** User enters payment information to pay for the product.
- **Order Confirmation:** Once payment is successful, the user gets an order conformation.



Endpoints:

EndPoints	Method	Description	Response
/product	GET	fetch all available products	{"id":1 , "name": "product A"}
/productid	GET	fetch details of a specific product	{"id":1 , "name": "product A"}
/order	POST	create a new order	{"customerId":123,"orderItems":[{"productId":1, "quantity":2}]}
/Shipment	GET	track the status of an order	{"shipmentId":987,"orderId":123, "stauts":"shipped"}

Sanity Schema Example

```
export default {
  name: 'product',
  type: 'document',
  title: 'Product',
  fields: [
    {
      name: 'name',
      type: 'string',
      title: 'Product Name',
    },
    {
      name: 'description',
      type: 'string',
      title: 'Description'
    },
    {
      name: 'price',
      type: 'number',
      title: 'Product Price',
    },
    {
      name: 'discountPercentage',
      type: 'number',
      title: 'Discount Percentage',
    },
    {
      name: 'priceWithoutDiscount',
      type: 'number',
      title: 'Price Without Discount',
    },
  ],
}
```

