

E-commerce website



Start Project
initialization



Start Step at Next.js
with

'npx create-next-app' @14.2.17



install Dependencies

- 1- Tailwind CSS
- 2- Axios
- 3- Mongoose
- 4- Next Auth.js
- 5- Stripe API
- 6- ShipEngine API
- 7- Sanity Client Library
- 8- React Icons
- 9- React hook form (for forms)
- 10- Animate.css (for animation)



Set up Sanity cms

Create Schemas for
Product and Order.

product schema

```
{  
  "productId": "string",  
  "name": "st",  
  "description": "string",  
  "price": "number",  
  "stock": "number",  
  "size": ["small", "large"],  
}
```

order schema

```
{  
  "orderId": "s",  
  "customerId": "s",  
  "customerName": "s",  
  "customerLocation": "s",  
  "items": [  
    {  
      "productId": "s",  
      "quantity": "number",  
      "size": "string"  
    }  
  ]  
}
```

"Order Schema"

totalAmount: "number"
paymentStatus: "String",
shippingStatus: "String",
createdAt: "date",

Build user Authentication
Implement registration and
Login using NextAuth.js

Develop Homepage

- Displays featured products and categories
- Includes search functionality to filter products based on categories and price.

Create Product page

- Show detailed information each item includes product name / price
- Stock status and high-quality images

Example:-

- Total Sofaset: 5
- after selling of 1 sofa set.
- Remaining: 4
- Update stock in database

Implement Cart functionality

- Users can add remove and modify item
- Stock management
- When a sofa is sell, reduce stock by 1
- Notify user of the remaining stock

Additional Pages

- About us: information about the company
- Contact us: from the customer inquiries.
- ~~FAQ~~: frequently asked question
- Terms and conditions: Legal information
- Privacy Policy. Data handling practices
- Blog: Articles.
- Wishlist: Save favorite products
- ~~order Tracking~~
- Order Tracking real time order
- Admin Dashboard: Overview of site metrics
- Product Management admin interface for ~~products~~
- customers Management Admins ~~intf~~ interface for users.
- Report: Sales and order reports for admins
- Promotions: Manages discounts and offers.
- Feedback: collect customer feedback.
- Help center: Support ~~resur~~ resources of users

Deployments

- Nextjs vercel
- Push the code to github repository.

Future Implementations

- User reviews and Ratings: allow customers
- Enhanced search functionality
- Multilingual support: implement translations to cater to a global ~~addi~~ audience.

Conclusion:-

- This project provides an efficient and scalable platform for selling.
- The use of Nextjs and Sanity CMS

Develop Checkout Process

- Collect user information and payment details
- user authentication, shipping address
- Order confirmation

API Endpoints

- Get/api/product: Retrieve a list of products
- Get/api/product/: Retrieve product details
- Post/api/product:
- post/api/order: Place an order
- Get/api/order/{id}: Retrieve order details
- Get/api/users/{id}: Retrieve user profile info.
- PATCH/api/products/{id}: Update product list.
- Decrease stock when a purchase is made

User Roles

Admin

- Manages the product catalog (add, update, delete product)
- views customers orders and manages order status,
- Customer,
- Browses products, manages the cart and place order
- Manages personal profiles, views past orders and tracks current order status