

## E-Commerce Website For Nike:

The purpose of this document is to highlight the key technical aspects of a marketplace website with the APIs integration, and how the ordering process takes place.

### Technical Features:

**Frontend:** Nest.js is used to build the UI of the website for quick and secure browsing of products.

**Styling:** Tailwind CSS is integrated to make the website visually engaging and make it responsive.

**Backend:** CMS is used to manage the backend of the website which includes user data, product details, orders, and deliveries.

**APIs:** 3rd party APIs are used to enhance payment methods and dispatching functionalities.

### Order Processing Workflow:

**Accessing Website:** User visits the website and creates an account if he/she is a new user or sign-in.

**Selecting a Product:** User selects a product and views its details like price, stockings, reviews and images.

**Adding to Cart:** User adds the product/s to cart to buy later or review more products of his/her needs.

**Payment:** Total price to be paid is displayed. Finally the user makes payment for the orders by entering billing details and reviews before making payments.

**Purchase Management:** An ID will be generated and shipment would be tracked by CMS.

**User's Access to Shipment Details:** User would be able to track the shipment from dispatching to delivery.

## Schema:

```
export default {  
  
  name: 'product_name',  
  
  type: 'document',  
  
  title: 'Product',  
  
  fields: [  
  
    { name: 'name', type: 'string', title: 'Product Name' },  
  
    { name: 'stock', type: 'number', title: 'Inventory' },  
  
    { name: 'image', type: 'image', title: 'Product Image' },  
  
    { name: 'price', type: 'number', title: 'Price' },  
  
    { name: 'description', type: 'text', title: 'Description', variety: {width: 'number', length:'number',  
      color:['Black', ' Navy Blue' , 'Maroon'] },  
  
    { name: 'category', type: 'reference', to: [{ type: 'category' }] },  
  
  ],  
  
};
```

## APIs:

Get: For Products, to get their stored details from CMS. For Shipment, to track the route of order.

Post: For orders, generate a new order with ID in the system.

