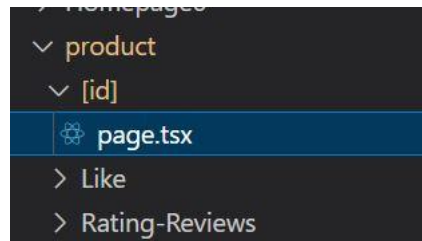# DAY 4 ➡️ BUILDING DYNAMIC FRONTEND COMPONENTS FOR YOUR MARKETPLACE

STEP 1(DYNAMIC ROUTE):

What is Dynamic Routing in Next-js ?

In Next.js, dynamic routing allows creating routes with dynamic segments (e.g., `[id].js`) that adapt to different URL parameters at runtime.

⭐ Build dynamic frontend components to display data from Sanity CMS or APIs.⭐⭐⭐⭐


```tsx
type Product = {
  _id: string;
  name: string;
  price: number;
  description: string;
  imageUrl: string;
};

export default function Post() {
  const params = useParams();
  const dispatch = useDispatch(); // For dispatching Redux actions
  const [products, setProducts] = useState<Product[]>([]);
  const [post, setPost] = useState<Product | null>(null);


  useEffect(() => {
    const fetchProducts = async () => {
      const fetchedProducts: Product[] = await sanityFetch({ query: allproducts });
      setProducts(fetchedProducts);

      // Find product based on the route parameter
      const product = fetchedProducts.find((p) => p._id === params?.id);
      setPost(product || null);
    };

    fetchProducts();
  }, [params?.id]);
```
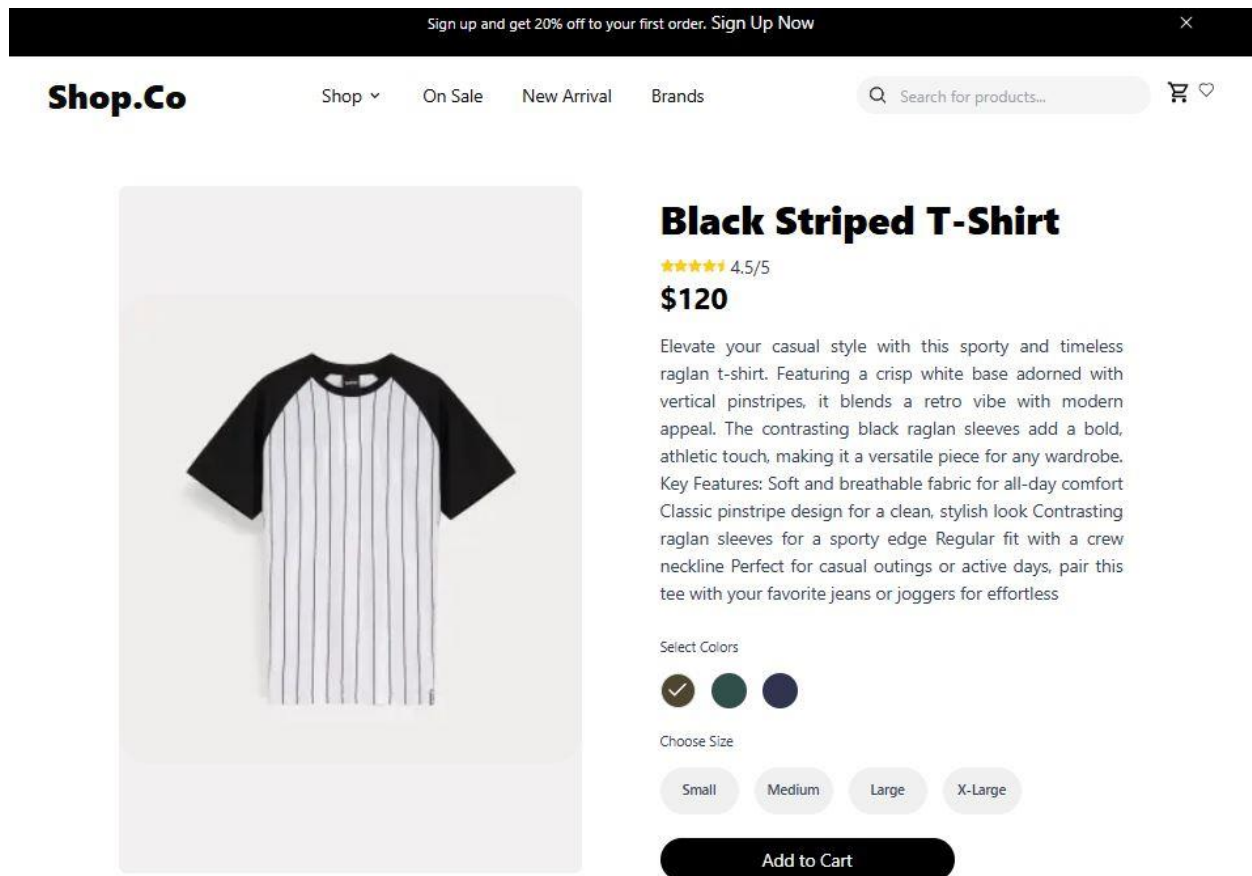
RESULT IN FRONTEND ADD DYNAMIC ROUTES

STEP 2(ADD TO CART FUNCTUNALITY):

In Next.js, the **Add to Cart** functionality involves managing a cart state (locally or globally) to store product details like `id`, `price`, and `quantity`. It updates the cart dynamically when users add, remove, or modify items, with optional persistence using `localStorage` or a backend.

```
interface CartItem {
  id: number;
  title: string;
  price: number;
  imageUrl: string;
  quantity: number;
}
const Cartpage: React.FC = () => {
  const dispatch = useDispatch();
  const cartItems = useSelector((state: RootState) => state.cart);
```

```
const handleRemove = (id: number) => {
  dispatch(remove(id));
};

const handleIncrement = (id: number) => {
  dispatch(incrementQuantity(id));
};

const handleDecrement = (id: number) => {
  dispatch(decrementQuantity(id));
};

const subtotal = cartItems.reduce(
  (total, item) => total + item.price * item.quantity,
  0
);
const discount = subtotal * 0.2; // 20% discount
const deliveryFee = 15; // Fixed delivery fee
const total = subtotal - discount + deliveryFee;
```

Shop.Co   Shop ⌄   On Sale   New Arrival   Brands   🔍 Search for products...   🛒⁵ ♡

Home / Cart

YOUR CART

	Size: Large Color: Blue **$120**	🗑	- 1 +
	Size: Large Color: Blue **$128**	🗑	- 1 +
	Size: Large Color: Blue **$180**	🗑	- 1 +
	Size: Large Color: Blue **$269**	🗑	- 1 +
	Size: Large Color: Blue **$180**	🗑	- 1 +

Order Summary

Subtotal	$877.00
Discount (-20%)	-$175.40
Delivery Fee	$15.00
Total	**$716.60**

Add promo code   Apply

Go to Checkout →