

Marketplace Self Validation Checklist

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Day - 4

I. Functional Deliverables

1. Product Listing Page:

A grid layout showcasing dynamic product data, including:

- a. Product Name
- b. Price
- c. Image
- d. Reviews
- e. Ratings

Sign up and get 20% off to your first order. [Sign Up Now](#)

SHOP.CO

Shop ▾

On Sale

New Arrivals

About

Q Search for products...

Home > All Products

All Products

Showing 1-2 of 2 Products

Category

- ☐ Men
- ☒ women

Style

- ☐ Formal
- ☐ casual
- ☐ gym
- ☐ party

Price



```

components > product > product-details.tsx > ...
'use client'

import { useState } from 'react'
import Image from 'next/image'
import Link from 'next/link'
import { ChevronRight, Minus, Plus, Star, StarHalf } from 'lucide-react'
import { cn } from '@lib/Utils'
import { satoshi, integralCF } from '@app/ui/fonts'
import { Product } from '@types/product'
import { useCart } from '@context/CartContext'
import { addToCart } from '@app/actions/Cart'
import toast from 'react-hot-toast'

function StarRating({ rating }: { rating: number }) {
  const fullStars = Math.floor(rating)
  const hasHalfStar = rating % 1 !== 0

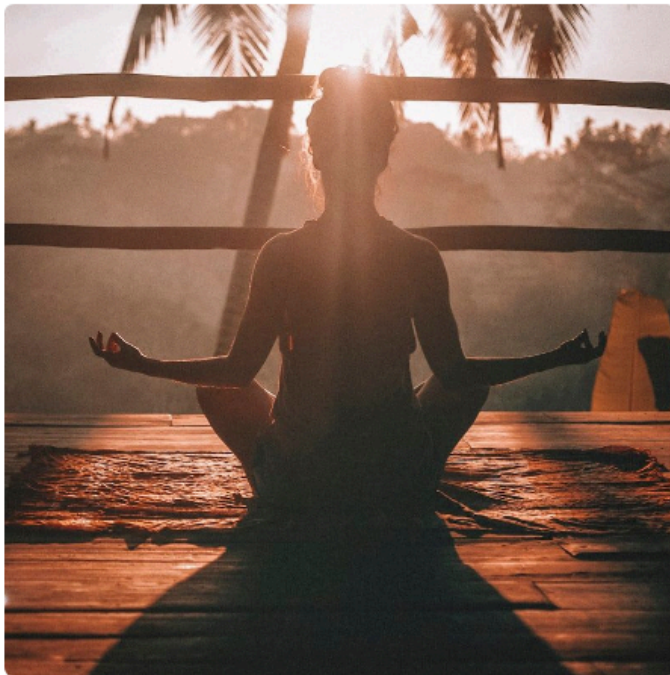
  return (
    <div className="flex items-center gap-0.5">
      {[...Array(fullStars)].map((_, i) => (
        <Star key={i} className="h-4 w-4 fill-yellow-400 text-yellow-400" />
      ))}
      {hasHalfStar && <StarHalf className="h-4 w-4 fill-yellow-400 text-yellow-400" />}
      {[...Array(5 - Math.ceil(rating))].map((_, i) => (
        <Star key={i} className="h-4 w-4 text-gray-300" />
      ))}
      <span className="ml-1 text-sm text-gray-600">{rating}/5</span>
    </div>
  )
}

```

2. Product Detail Page

Dynamic product pages implemented with routing.

- a. Product Name
- b. Description
- c. Price
- d. Sizes
- e. Colors
- f. Images
- g. Inventory
- h. Category
- i. Style
- j. Tags



WOMEN'S YOGA LEGGINGS

★★★★★ 4.4/5 (0 Reviews)

\$49.99 ~~\$59.99~~ -17%

High-performance yoga leggings designed for comfort and flexibility. Features a high waist and moisture-wicking fabric.

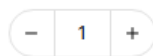
Select Colors



Choose Size



In stock



Add to Cart

Product Details

- 80% nylon, 20% spandex

```
{ label: 'Price: High to Low', value: 'price-high-low' },
]

const PRODUCTS_PER_PAGE = 9

export function ProductGrid({initialProducts, categories, styles}: {initialProducts: Product[], categories: string[]}) {
  const router = useRouter()
  const searchParams = useSearchParams()
  const [isFilterOpen, setIsFilterOpen] = useState(false)
  const [selectedSort, setSelectedSort] = useState(sortOptions[0])
  const [currentPage, setCurrentPage] = useState(1)
  const [filteredProducts, setFilteredProducts] = useState<Product[]>(initialProducts)
  const [isLoading, setIsLoading] = useState(false)

  const totalPages = Math.ceil(filteredProducts.length / PRODUCTS_PER_PAGE)
  const paginatedProducts = filteredProducts?.slice(
    (currentPage - 1) * PRODUCTS_PER_PAGE,
    currentPage * PRODUCTS_PER_PAGE
  )

  const handlePageChange = (event: React.ChangeEvent<unknown>, value: number) => {
    setCurrentPage(value);
    window.scrollTo({
      top: 0,
      behavior: 'smooth'
    });
  };
}
```

3. Category Filters

Fully functional category filters allowing users to filter products dynamically

Home > All Products

All Products

Showing 1-5 of 5 Products

Sort by: Most Popular ▾

Category

- ☐ Men
- ☒ women

Style

- ☐ Formal
- ☐ casual
- ☐ gym
- ☐ party

Price



0

1000

Apply Price Filter

Rating



★★★★☆ (4.4)

Women's Yoga Leggings

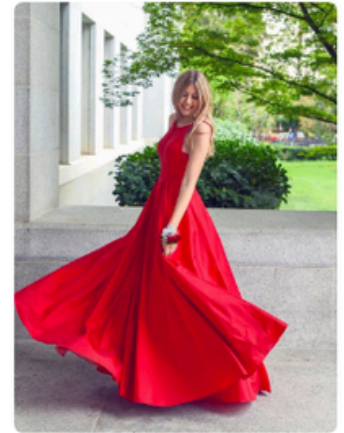
\$49.99 \$59.99 -17%



★★★★☆ (4.8)

Elegant Evening Gown

\$199.99 \$249.99 -20%



★★★★☆ (4.6)

Women's Party Dress

\$79.99 \$89.99 -11%

```
import { useState, useEffect } from 'react'
import { Star, X } from 'lucide-react'
import { cn } from '@lib/Utils'
import { satoishi } from '@app/ui/fonts'
import * as Slider from '@radix-ui/react-slider'

interface FiltersProps {
  isMobile?: boolean
  isOpen?: boolean
  onClose?: () => void
  categories: string[]
  styles: string[]
  updateFilters: (filters: Record<string, string[]>) => void
  searchParams: URLSearchParams
}

export function Filters({ isMobile, isOpen, onClose, categories, styles, updateFilters, searchParams }: FiltersProps) {
  const [minPrice, setMinPrice] = useState(searchParams.get('minPrice') || '0')
  const [maxPrice, setMaxPrice] = useState(searchParams.get('maxPrice') || '1000')
  const [priceRange, setPriceRange] = useState([parseInt(minPrice), parseInt(maxPrice)])
  const [selectedCategories, setSelectedCategories] = useState<string[]>(searchParams.getAll('category'))
  const [selectedStyles, setSelectedStyles] = useState<string[]>(searchParams.getAll('style'))
  const [newArrivals, setNewArrivals] = useState(searchParams.get('newArrivals') === 'true')
  const [topSelling, setTopSelling] = useState(searchParams.get('topSelling') === 'true')

  useEffect(() => {
    setMinPrice(searchParams.get('minPrice') || '0')
  })
}
```

4. Search Bar

Implemented search functionality to filter products by name or tags

Home > All Products

All Products

Showing 1-1 of 1 Products

Sort by: Most Popular ▾

Category

- ☐ Men
- ☐ women

Style

- ☐ Formal
- ☐ casual
- ☐ gym
- ☐ party

Price



0

1000

Apply Price Filter



★★★★☆ (4.6)

Women's Party Dress

\$70.00 \$85.00 15% OFF

```
export function SearchBar({ onSearch }: SearchBarProps) {
  const [query, setQuery] = useState('')
  const [suggestions, setSuggestions] = useState<SearchSuggestion[]>([])
  const [isLoading, setIsLoading] = useState(false)
  const [searchHistory, setSearchHistory] = useState<string[]>([])
  const [showSuggestions, setShowSuggestions] = useState(false)
  const debouncedQuery = useDebounce(query, 300)
  const searchBarRef = useRef<HTMLDivElement>(null)

  useEffect(() => {
    const storedHistory = localStorage.getItem('searchHistory')
    if (storedHistory) {
      setSearchHistory(JSON.parse(storedHistory))
    }
  }, [])

  useEffect(() => {
    if (debouncedQuery.trim()) {
      setIsLoading(true)
      searchProducts(debouncedQuery)
        .then((results) => {
          const newSuggestions: SearchSuggestion[] = []
          results.forEach((product) => {
            if (!newSuggestions.some(s => s.text.toLowerCase() === product.title.toLowerCase())) {
              newSuggestions.push({ type: 'product', text: product.title, slug: product.slug.current })
            }
            product.tags?.forEach((tag) => {
              if (!newSuggestions.some(s => s.text.toLowerCase() === tag.toLowerCase())) {
                newSuggestions.push({ type: 'tag', text: tag, slug: tag })
              }
            })
          })
          setSuggestions(newSuggestions)
        })
      setIsLoading(false)
    }
  }, [debouncedQuery])
}
```

5. Add To Cart

Users can add products to the cart, view them, and remove items dynamically.

Home > Cart

YOUR CART



Women's Yoga Leggings

Size: XS

Color: Black

- 1 +

\$49.99



Elegant Evening Gown

Size: 2

Color: Black

- 1 +

\$199.99



Women's Blazer

Size: XS

Color: Black

- 2 +

\$89.99



Order Summary

Subtotal \$519.95

Discount **-\$7.28**

Delivery Fee \$15.00

Total \$527.67 Add promo code

Apply

Go to Checkout →

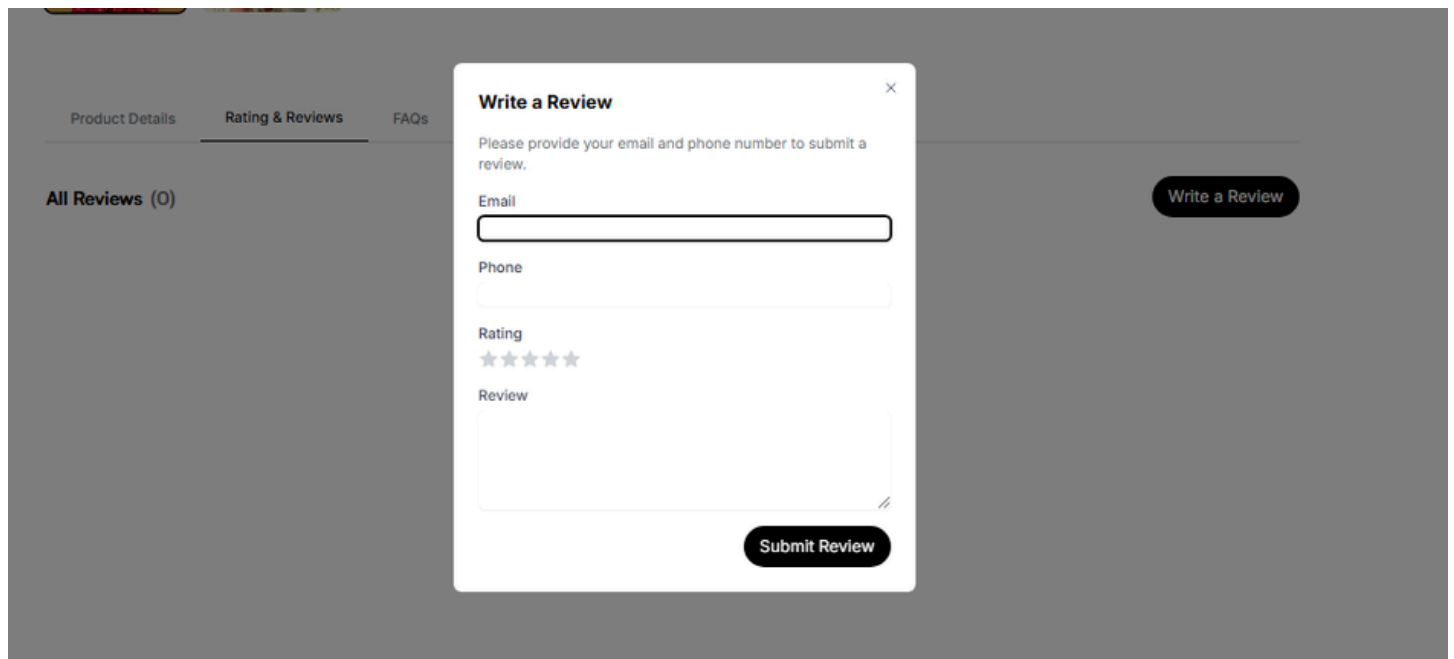
```
import Image from 'next/image'
import { Star } from 'lucide-react'
import { cn } from '@lib/utils'
import { satoshi } from '@app/ui/fonts'
import { Product } from '@types/product'

type ProductCardProps = Pick<Product, '_id' | 'title' | 'price' | 'originalPrice' | 'rating' | 'slug' | 'category' | 'size' | 'color' | 'imageUrl'> & {
  imageUrl: string;
}

export function ProductCard({
  title,
  price,
  originalPrice,
  rating,
  imageUrl,
}: ProductCardProps) {
  return (
    <div className="group cursor-pointer">
      <div className="relative aspect-[3/4] bg-gray-100 rounded-lg overflow-hidden">
        {imageUrl ? (
          <Image
            src={imageUrl}
            alt={title}
            fill
            sizes="(max-width: 768px) 100vw, (max-width: 1200px) 50vw, 33vw"
            className="object-cover transition-transform group-hover:scale-105"
          />
        ) : (
          <div className="h-full w-full bg-gray-100 rounded-lg" />
        )}
      <div>
        <h3>{title}</h3>
        <p>Size: XS</p>
        <p>Color: Black</p>
        <p>- 1 +</p>
      </div>
      <p>{price}</p>
    </div>
  )
}
```

6. Reviews and Ratings

Users can add, view, and delete reviews dynamically.



```
const reviewSchema = z.object({
  email: z.string().email('Invalid email address'),
  phone: z.string().regex(/^03\d{9}$/, 'Invalid phone number'),
  rating: z.number().min(1).max(5),
  content: z.string().min(10, 'Review must be at least 10 characters'),
})

type ReviewFormData = z.infer<typeof reviewSchema>

interface ReviewFormProps {
  productId: string;
  onSuccess: () => void;
}

export function ReviewForm({ productId, onSuccess }: ReviewFormProps) {
  const [isOpen, setIsOpen] = useState(false)
  const [error, setError] = useState<string | null>(null)
  const { register, handleSubmit, formState: { errors }, setValue, watch } = useForm<ReviewFormData>({
    resolver: zodResolver(reviewSchema),
  })

  const onSubmit = async (data: ReviewFormData) => {
    try {
      const response = await fetch('/api/submit-review', {
        method: 'POST',
        headers: {
          'Content-Type': 'application/json',
        },
      })
    }
  }
}
```

Marketplace – SHOP.CO By
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