BSc. (Hons) in Software Engineering
Faculty of Computing

Online Bookshop Assignment

Module: Advanced Web Technologies

Name: H.A.C.D.P. Hettiarachchi

Student Number: M20000210007

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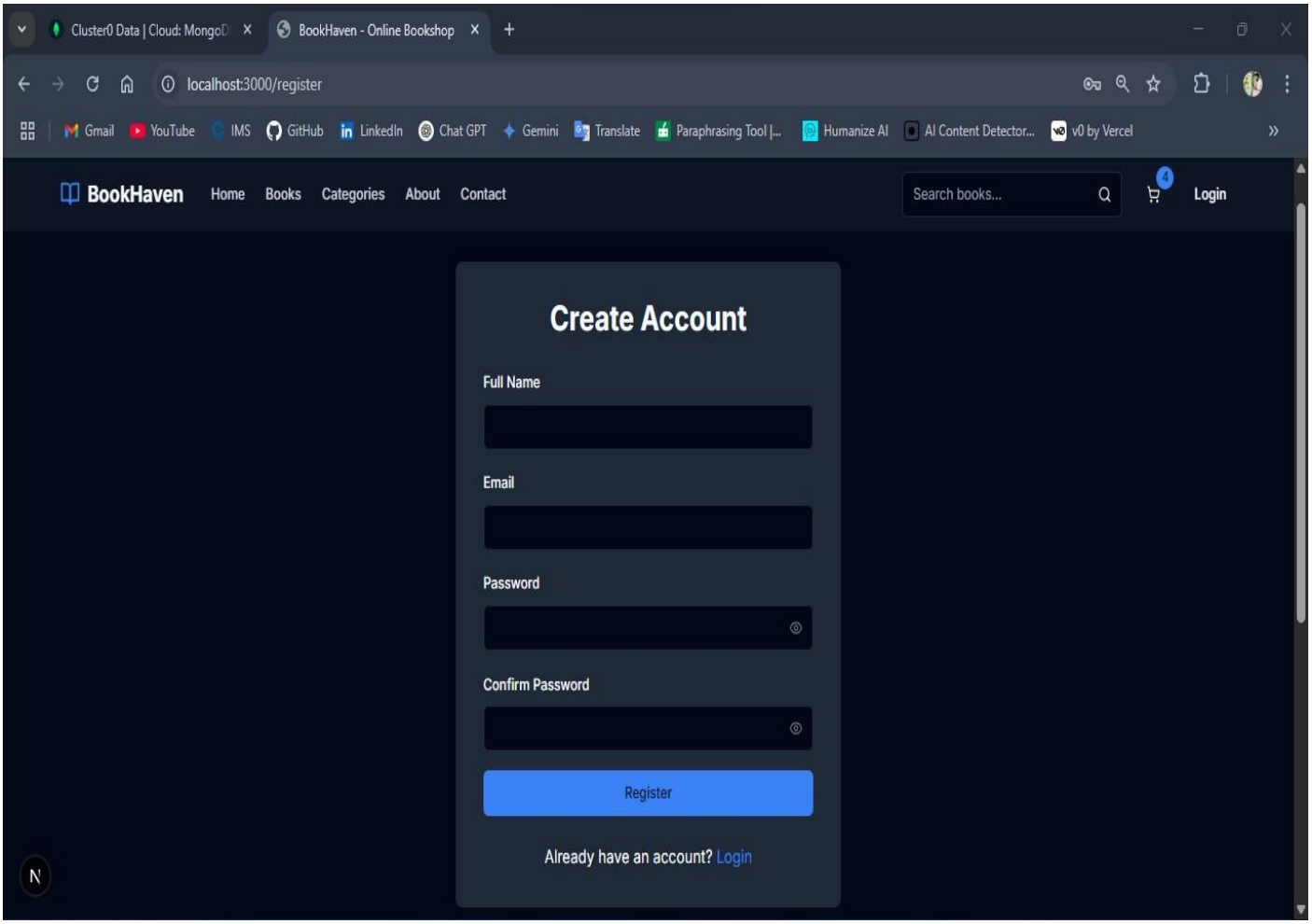
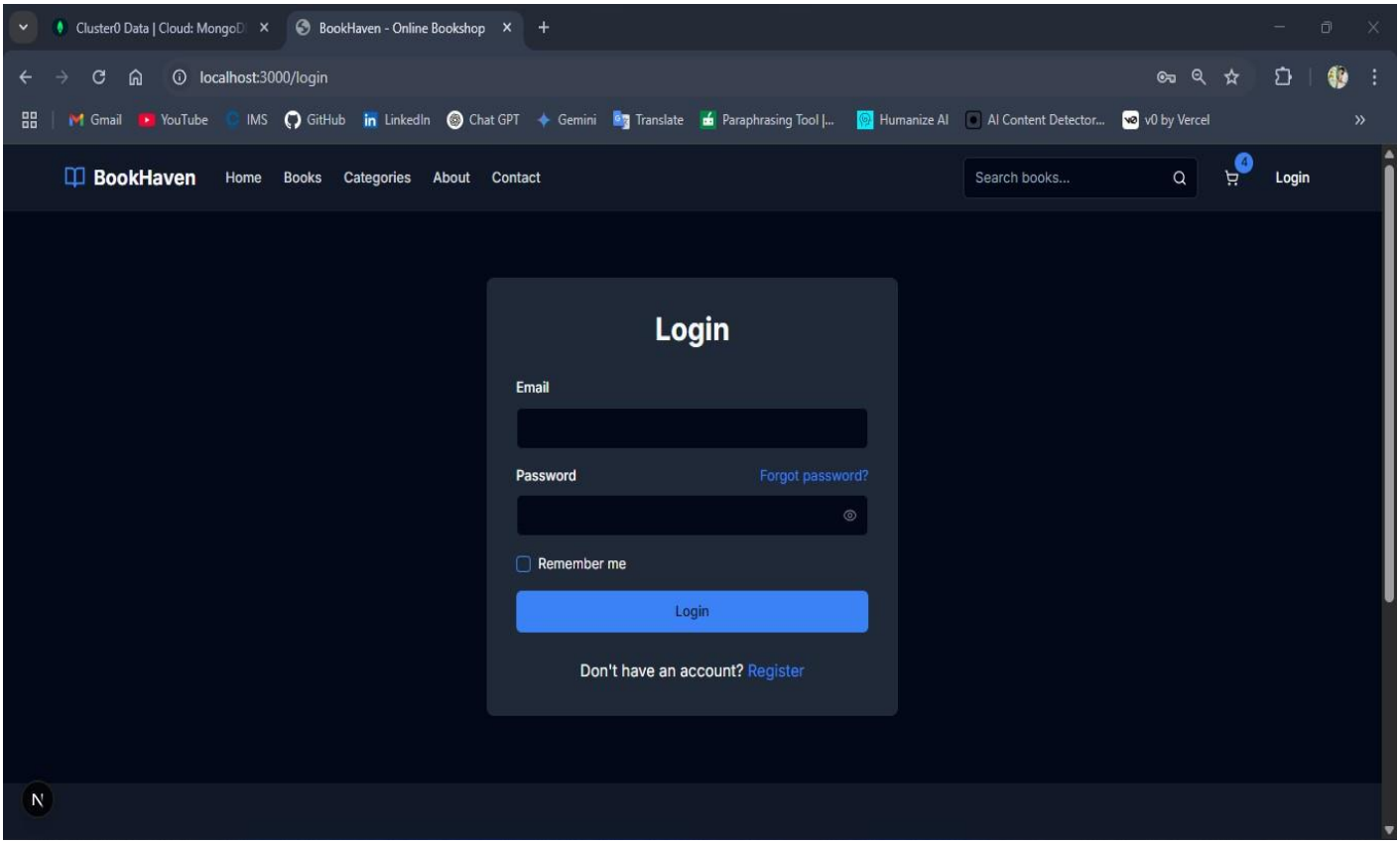
1. User Interface Documentation Requirements

1.1. User Authentication Screens

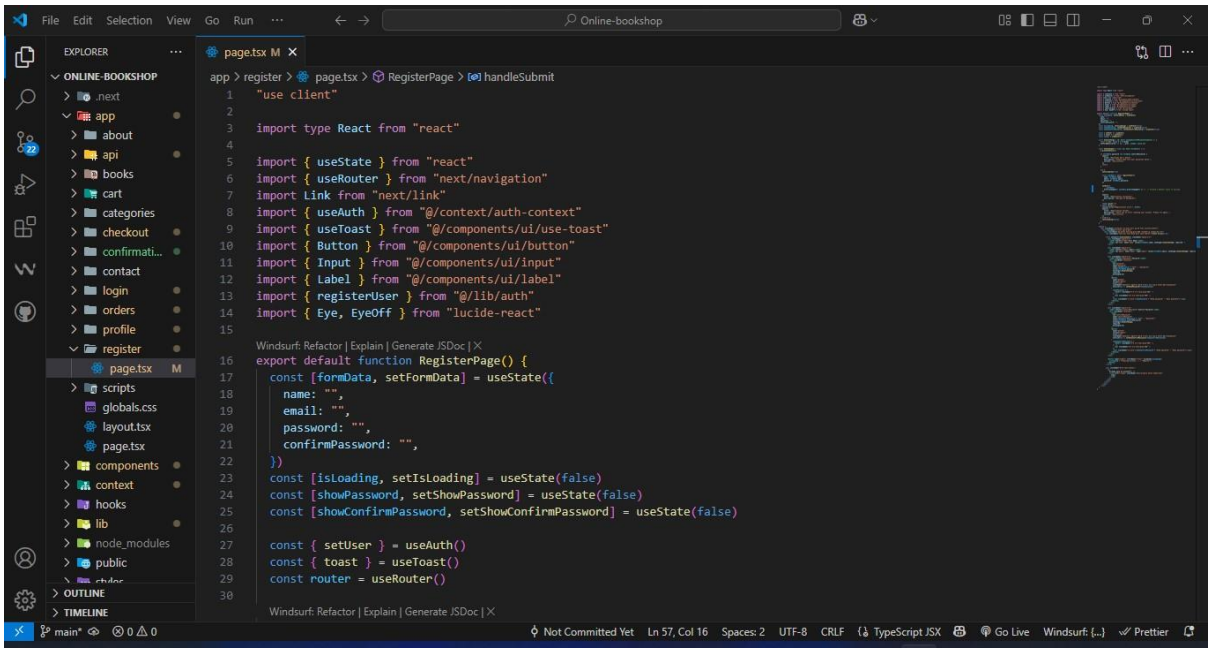
- Registration page screenshot

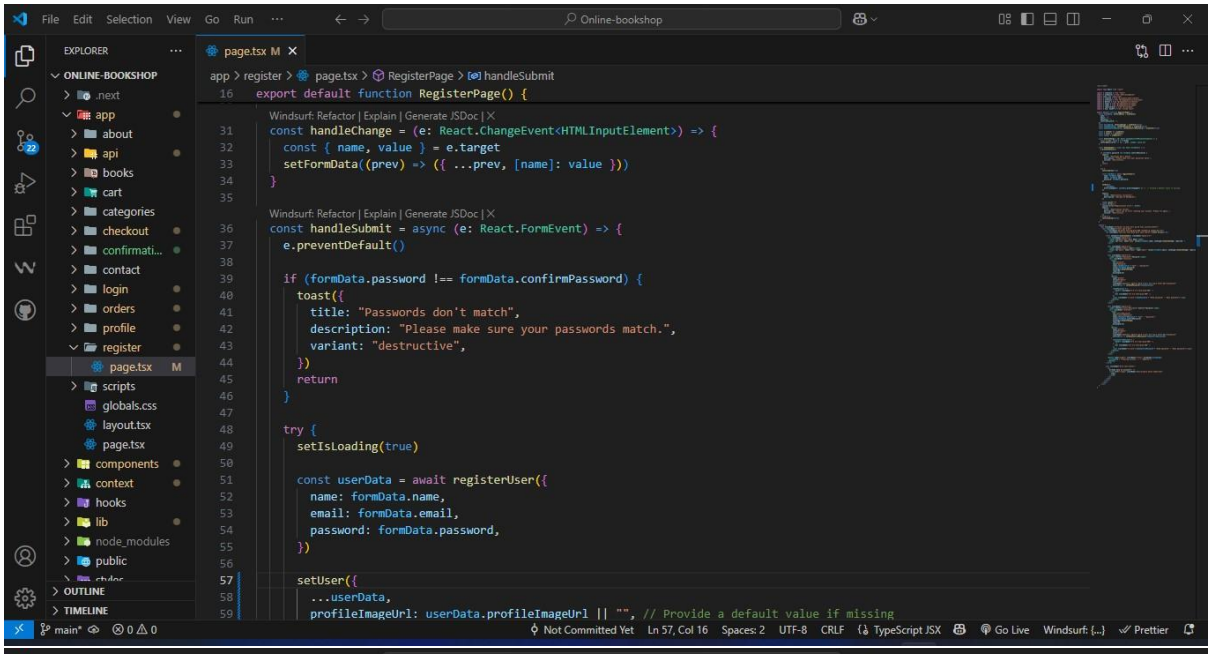


- Login page screenshot



- Associated HTML/CSS/JavaScript code screenshots for each page
  1.Registration page code screenshots




File Edit Selection View Go Run
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EXPLORER
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app > register > page.tsx > RegisterPage > handleSubmit
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books
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register
page.tsx M
scripts
globals.css
layout.tsx
page.tsx
components
context
hooks
lib
node_modules
public
OUTLINE
TIMELINE
export default function RegisterPage() {
Windsurf: Refactor | Explain | Generate JSDoc |
const handleChange = (e: React.ChangeEvent<HTMLInputElement>) => {
const { name, value } = e.target
setFormData((prev) => ({ ...prev, [name]: value }))
}
Windsurf: Refactor | Explain | Generate JSDoc |
const handleSubmit = async (e: React.FormEvent) => {
e.preventDefault()
if (formData.password !== formData.confirmPassword) {
toast({
title: "Passwords don't match",
description: "Please make sure your passwords match.",
variant: "destructive",
})
return
}
try {
setIsLoading(true)
const userData = await registerUser({
name: formData.name,
email: formData.email,
password: formData.password,
})
setUser({
...userData,
profileImageUrl: userData.profileImageUrl || "", // Provide a default value if missing
main*
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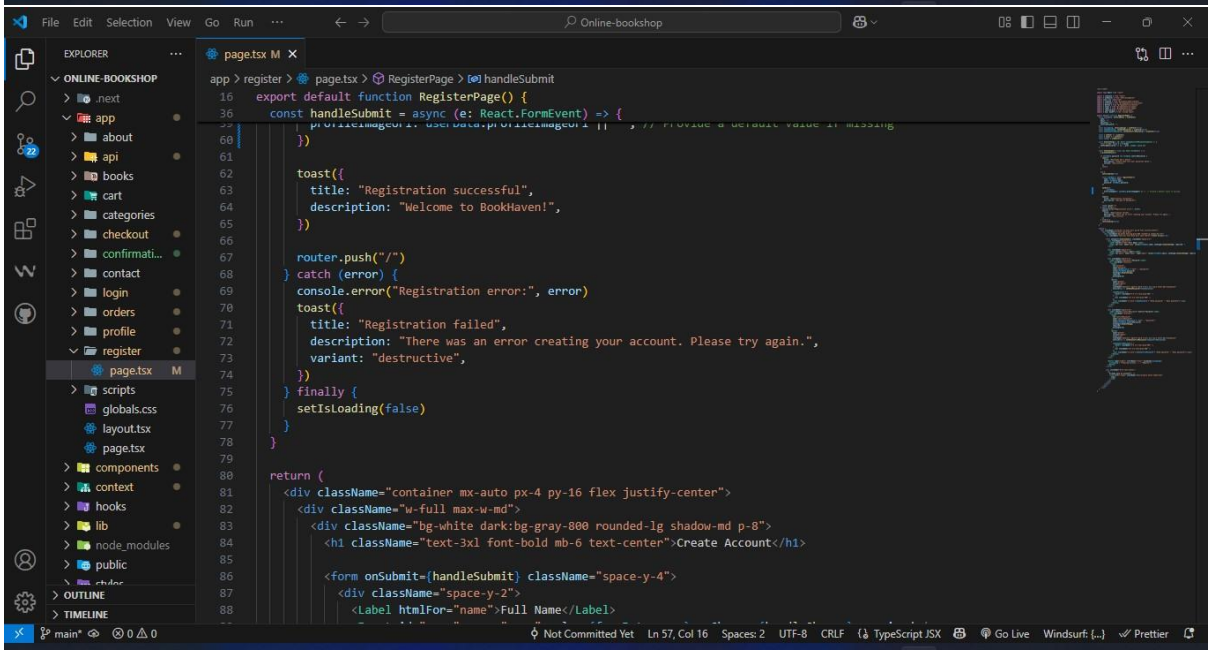
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Online-bookshop
EXPLORER
page.tsx M
app > register > page.tsx > RegisterPage > handleSubmit
ONLINE-BOOKSHOP
export default function RegisterPage() {
const handleSubmit = async (e: React.FormEvent) => {
})
toast({
title: "Registration successful",
description: "Welcome to BookHaven!",
})
router.push("/")
} catch (error) {
console.error("Registration error:", error)
toast({
title: "Registration failed",
description: "There was an error creating your account. Please try again.",
variant: "destructive",
})
} finally {
setIsLoading(false)
}
}
return (

<h1 className="text-3xl font-bold mb-6 text-center">Create Account</h1>
<form onSubmit={handleSubmit} className="space-y-4">

<Label htmlFor="name">Full Name</Label>
main*
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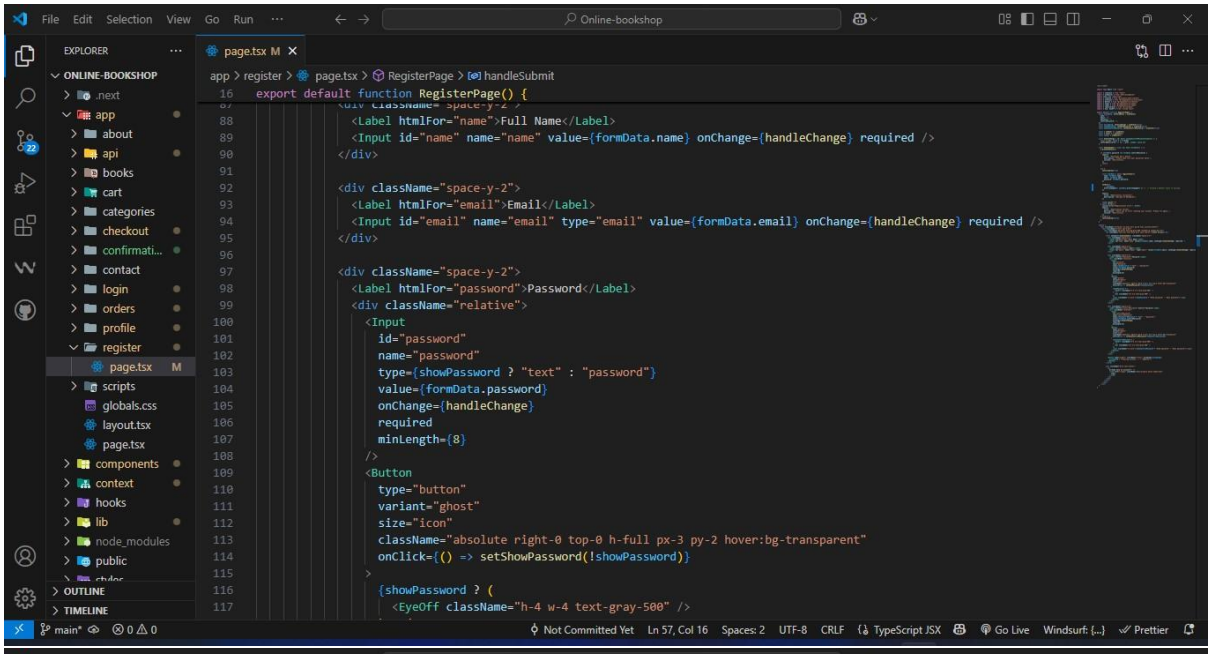
UTF-8
CRLF
TypeScript JSX
Go Live
Windsurf: {...}
Prettier


File Edit Selection View Go Run
Online-bookshop
EXPLORER
page.tsx M
app > register > page.tsx > RegisterPage > handleSubmit
ONLINE-BOOKSHOP
export default function RegisterPage() {
<Label htmlFor="name">Full Name</Label>
<Input id="name" name="name" value={formData.name} onChange={handleChange} required />
<Label htmlFor="email">Email</Label>
<Input id="email" name="email" type="email" value={formData.email} onChange={handleChange} required />
<Label htmlFor="password">Password</Label>
<Input
id="password"
name="password"
type={showPassword ? "text" : "password"}
value={formData.password}
onChange={handleChange}
required
minLength={8}
/>
<Button
type="button"
variant="ghost"
size="icon"
className="absolute right-0 top-0 h-full px-3 py-2 hover:bg-transparent"
onClick={() => setShowPassword(!showPassword)}
>
{showPassword ? (
<EyeOff className="h-4 w-4 text-gray-500" />
OUTLINE
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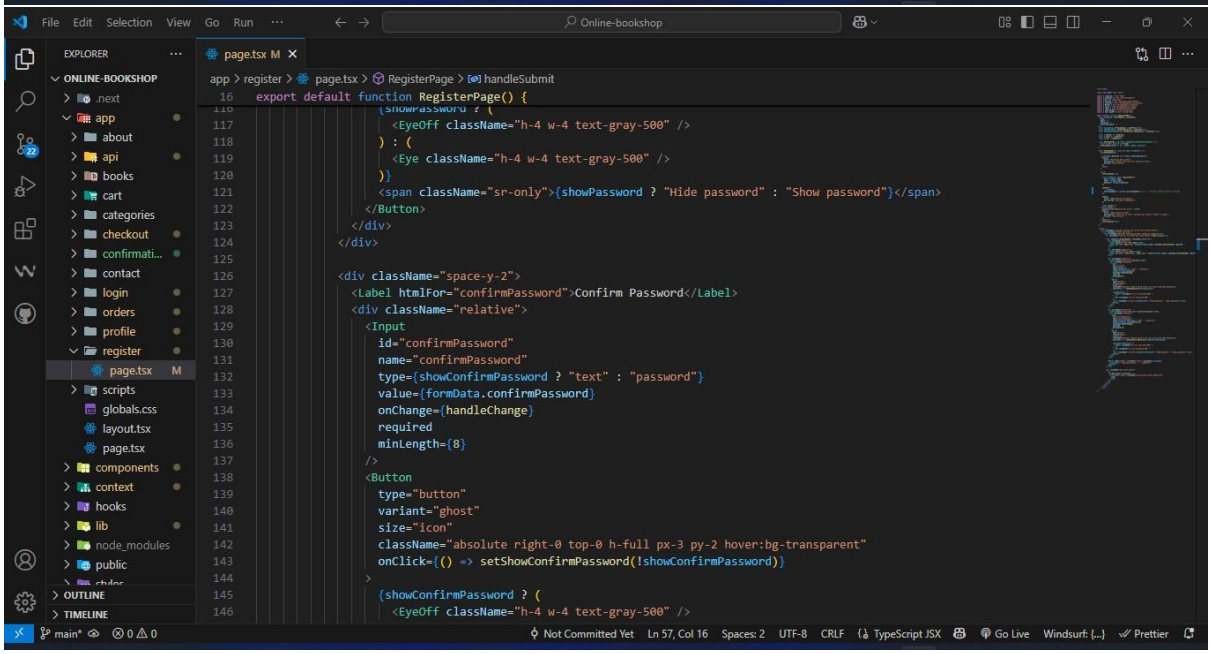
File Edit Selection View Go Run
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EXPLORER
page.tsx M
app > register > page.tsx > RegisterPage > handleSubmit
ONLINE-BOOKSHOP
export default function RegisterPage() {
<EyeOff className="h-4 w-4 text-gray-500" />
) : (
<Eye className="h-4 w-4 text-gray-500" />
)}
{showPassword ? "Hide password" : "Show password"}
</Button>

<Label htmlFor="confirmPassword">Confirm Password</Label>
<Input
id="confirmPassword"
name="confirmPassword"
type={showConfirmPassword ? "text" : "password"}
value={formData.confirmPassword}
onChange={handleChange}
required
minLength={8}
/>
<Button
type="button"
variant="ghost"
size="icon"
className="absolute right-0 top-0 h-full px-3 py-2 hover:bg-transparent"
onClick={() => setShowConfirmPassword(!showConfirmPassword)}
>
{showConfirmPassword ? (
<EyeOff className="h-4 w-4 text-gray-500" />
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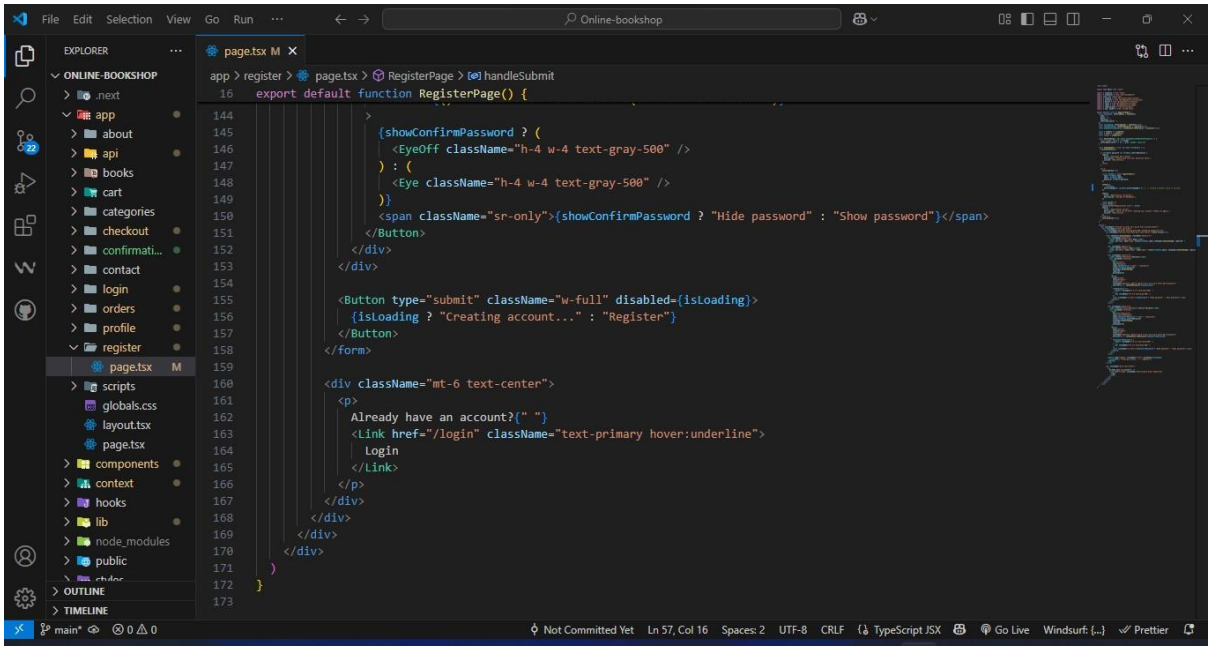
File Edit Selection View Go Run
Online-bookshop
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ONLINE-BOOKSHOP
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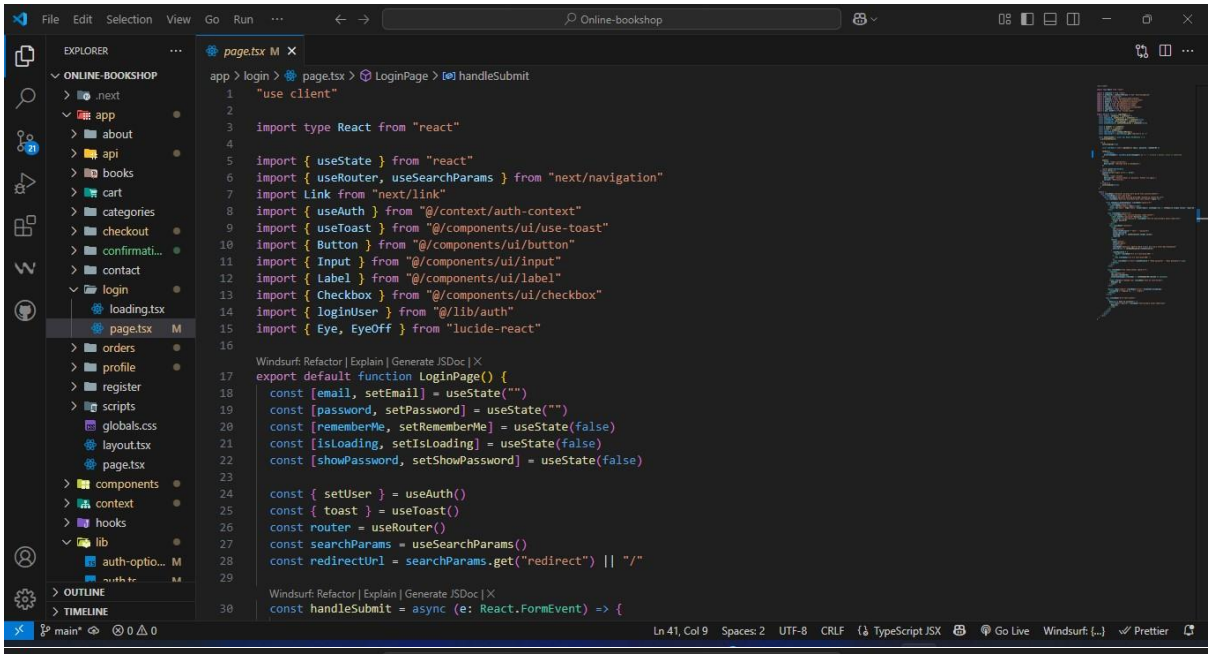
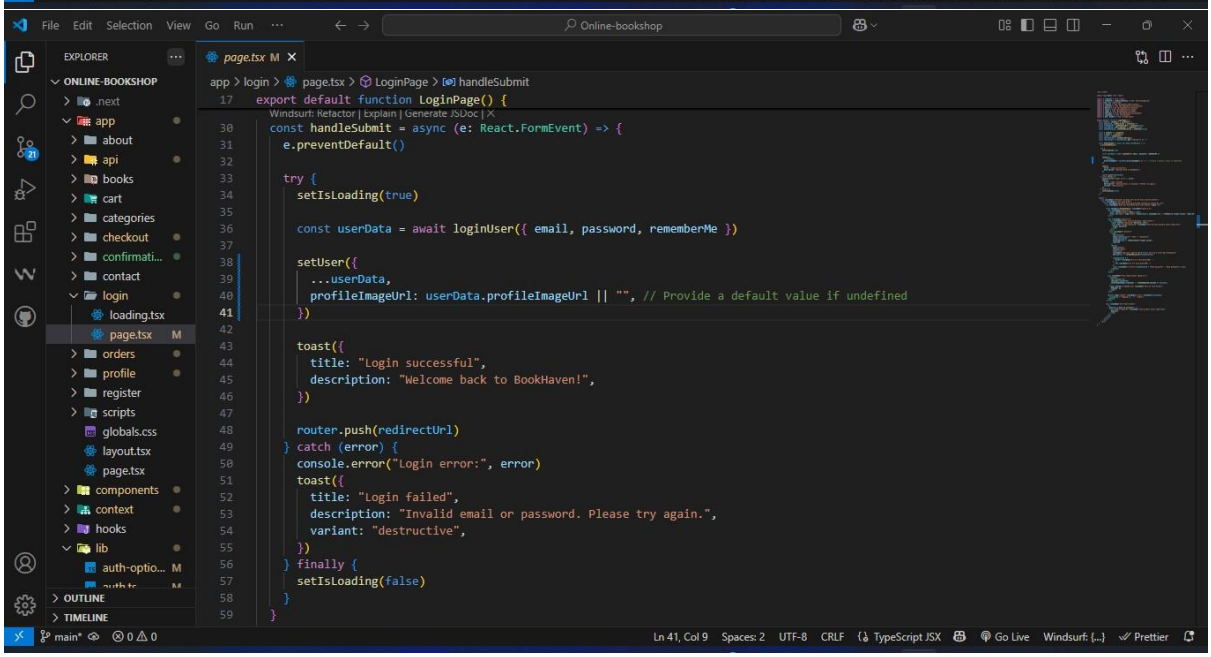
page.tsx M
scripts
globals.css
layout.tsx
page.tsx
components
context
hooks
lib
node_modules
public
OUTLINE
TIMELINE
16 export default function RegisterPage() {
144 >
145 {showConfirmPassword ? (
146 <EyeOff className="h-4 w-4 text-gray-500" />
147) : (
148 <Eye className="h-4 w-4 text-gray-500" />
149)}
150 {showConfirmPassword ? "Hide password" : "Show password"}
151 </Button>
152
153
154
155 <Button type="submit" className="w-full" disabled={isLoading}>
156 {isLoading ? "Creating account..." : "Register"}
157 </Button>
158 </form>
159
160
161
162 Already have an account?{" "}
163 <Link href="/login" className="text-primary hover:underline">
164 Login
165 </Link>
166
167
168
169
170
171)
172 }
173
main* 0 0
Not Committed Yet Ln 57, Col 16 Spaces: 2 UTF-8 CRLF TypeScript JSX Go Live Windsurf: {...} Prettier

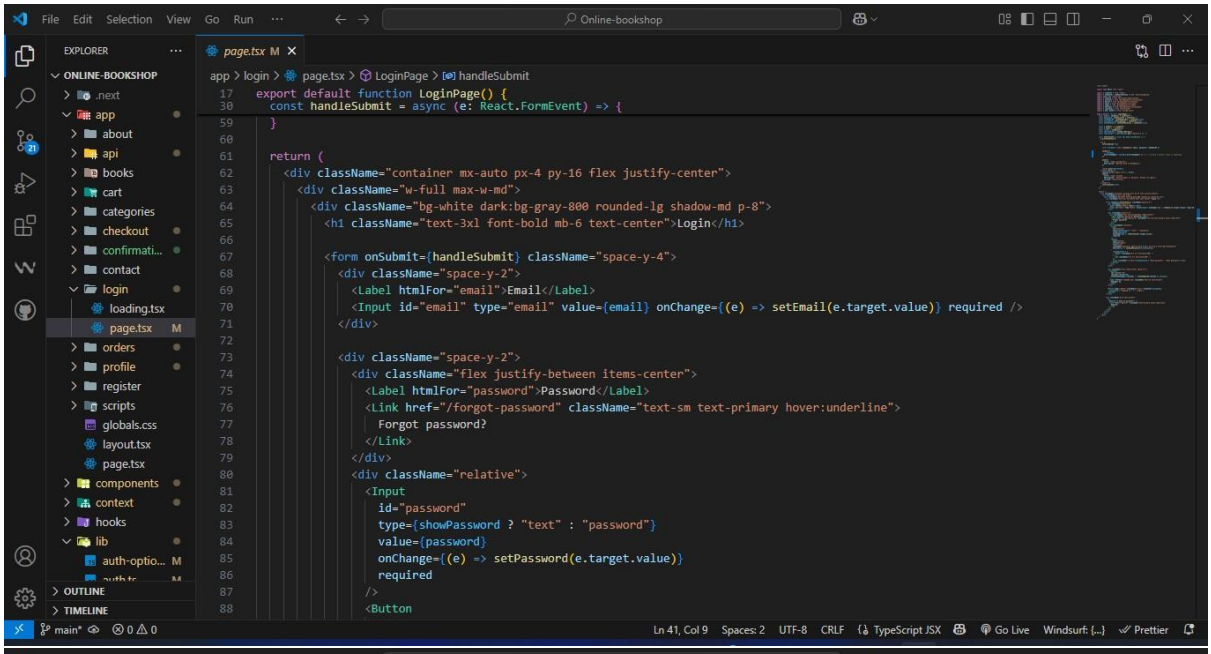
- Login page code screenshots



```
"use client"

import type React from "react"

import { useState } from "react"
import { useRouter, useSearchParams } from "next/navigation"
import Link from "next/link"
import { useAuth } from "@/context/auth-context"
import { useToast } from "@/components/ui/use-toast"
import { Button } from "@/components/ui/button"
import { Input } from "@/components/ui/input"
import { Label } from "@/components/ui/label"
import { Checkbox } from "@/components/ui/checkbox"
import { loginUser } from "@/lib/auth"
import { Eye, EyeOff } from "lucide-react"

Windsurf: Refactor | Explain | Generate JSDoc | X
export default function LoginPage() {
  const [email, setEmail] = useState("")
  const [password, setPassword] = useState("")
  const [rememberMe, setRememberMe] = useState(false)
  const [isLoading, setIsLoading] = useState(false)
  const [showPassword, setShowPassword] = useState(false)

  const { setUser } = useAuth()
  const { toast } = useToast()
  const router = useRouter()
  const searchParams = useSearchParams()
  const redirectUrl = searchParams.get("redirect") || "/"

  Windsurf: Refactor | Explain | Generate JSDoc | X
  const handleSubmit = async (e: React.FormEvent) => {
```



```
export default function LoginPage() {
Windsurf: Refactor | Explain | Generate JSDoc | X
  const handleSubmit = async (e: React.FormEvent) => {
    e.preventDefault()

    try {
      setIsLoading(true)

      const userData = await loginUser({ email, password, rememberMe })

      setUser({
        ...userData,
        profileImageUrl: userData.profileImageUrl || "", // Provide a default value if undefined
      })

      toast({
        title: "Login successful",
        description: "Welcome back to BookHaven!",
      })

      router.push(redirectUrl)
    } catch (error) {
      console.error("Login error:", error)
      toast({
        title: "Login failed",
        description: "Invalid email or password. Please try again.",
        variant: "destructive",
      })
    } finally {
      setIsLoading(false)
    }
  }
```

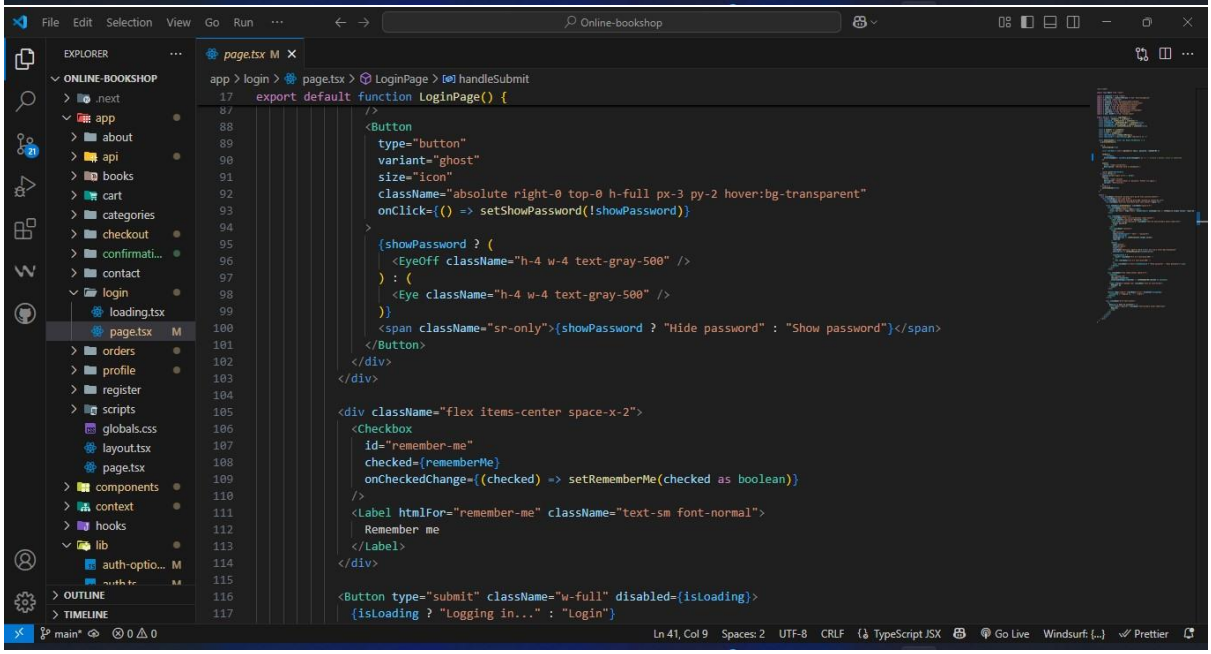

File Edit Selection View Go Run
Online-bookshop
EXPLORER
page.tsx M
app > login > page.tsx > LoginPage > handleSubmit
ONLINE-BOOKSHOP
export default function LoginPage() {
const handleSubmit = async (e: React.FormEvent) => {
}
return (

<h1 className="text-3xl font-bold mb-6 text-center">Login</h1>
<form onSubmit={handleSubmit} className="space-y-4">

<Label htmlFor="email">Email</Label>
<Input id="email" type="email" value={email} onChange={(e) => setEmail(e.target.value)} required />

<Label htmlFor="password">Password</Label>
<Link href="/forgot-password" className="text-sm text-primary hover:underline">
Forgot password?
</Link>

<Input
id="password"
type={showPassword ? "text" : "password"}
value={password}
onChange={(e) => setPassword(e.target.value)}
required
/>
<Button
Ln 41, Col 9 Spaces: 2 UTF-8 CRLF TypeScript JSX Go Live Prettier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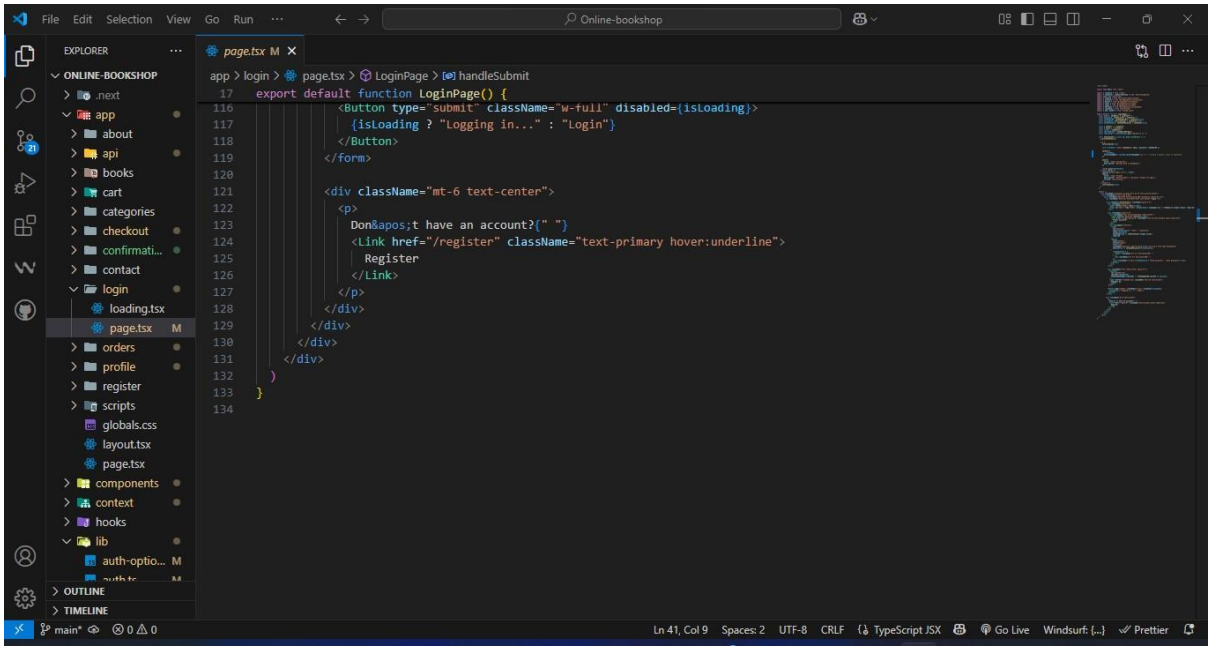
Online-bookshop
EXPLORER
page.tsx M
app > login > page.tsx > LoginPage > handleSubmit
ONLINE-BOOKSHOP
export default function LoginPage() {
/>
<Button
type="button"
variant="ghost"
size="icon"
className="absolute right-0 top-0 h-full px-3 py-2 hover:bg-transparent"
onClick={() => setShowPassword(!showPassword)}
>
{showPassword ? (
<EyeOff className="h-4 w-4 text-gray-500" />
) : (
<Eye className="h-4 w-4 text-gray-500" />
)}
{showPassword ? "Hide password" : "Show password"}
</Button>

<Checkbox
id="remember-me"
checked={rememberMe}
onCheckedChange={(checked) => setRememberMe(checked as boolean)}
/>
<Label htmlFor="remember-me" className="text-sm font-normal">
Remember me
</Label>

<Button type="submit" className="w-full" disabled={isLoading}>
{isLoading ? "Logging in..." : "Login"}
Ln 41, Col 9 Spaces: 2 UTF-8 CRLF TypeScript JSX Go Live Prettier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page.tsx M
app > login > page.tsx > LoginPage > handleSubmit
ONLINE-BOOKSHOP
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books
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categories
checkout
confirmati...
contact
login
loading.tsx
page.tsx M
orders
profile
register
scripts
globals.css
layout.tsx
page.tsx
components
context
hooks
lib
auth-optio... M
OUTLINE
TIMELINE
export default function LoginPage() {
<Button type="submit" className="w-full" disabled={isLoading}>
{isLoading ? "Logging in..." : "Login"}
</Button>
</form>

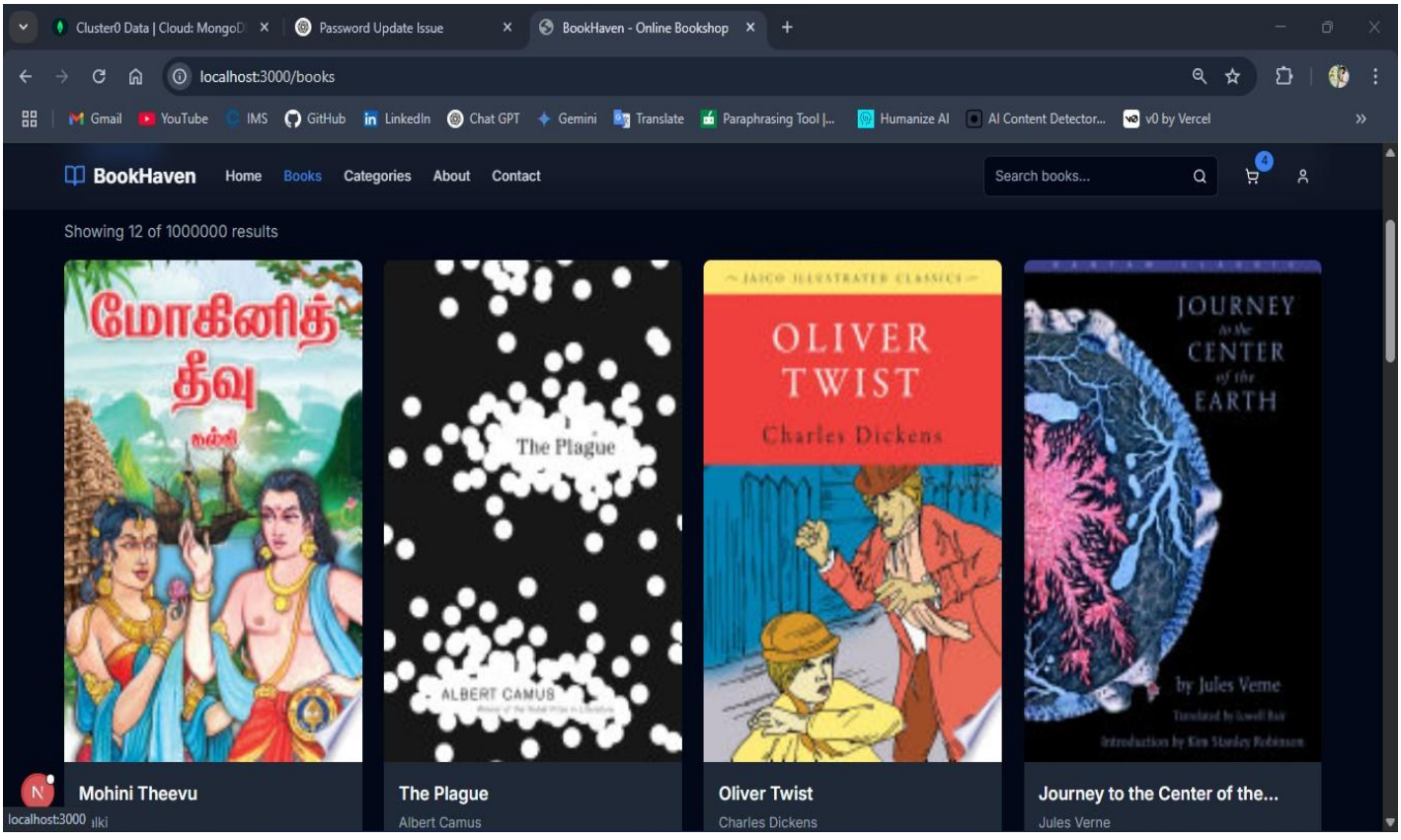
Don't have an account?{" "}
<Link href="/register" className="text-primary hover:underline">
Register
</Link>

)
}
main*
Ln 41, Col 9
Spaces: 2
UTF-8
CRLF
TypeScript JSX
Go Live
Windsurf: {...}
Prettier

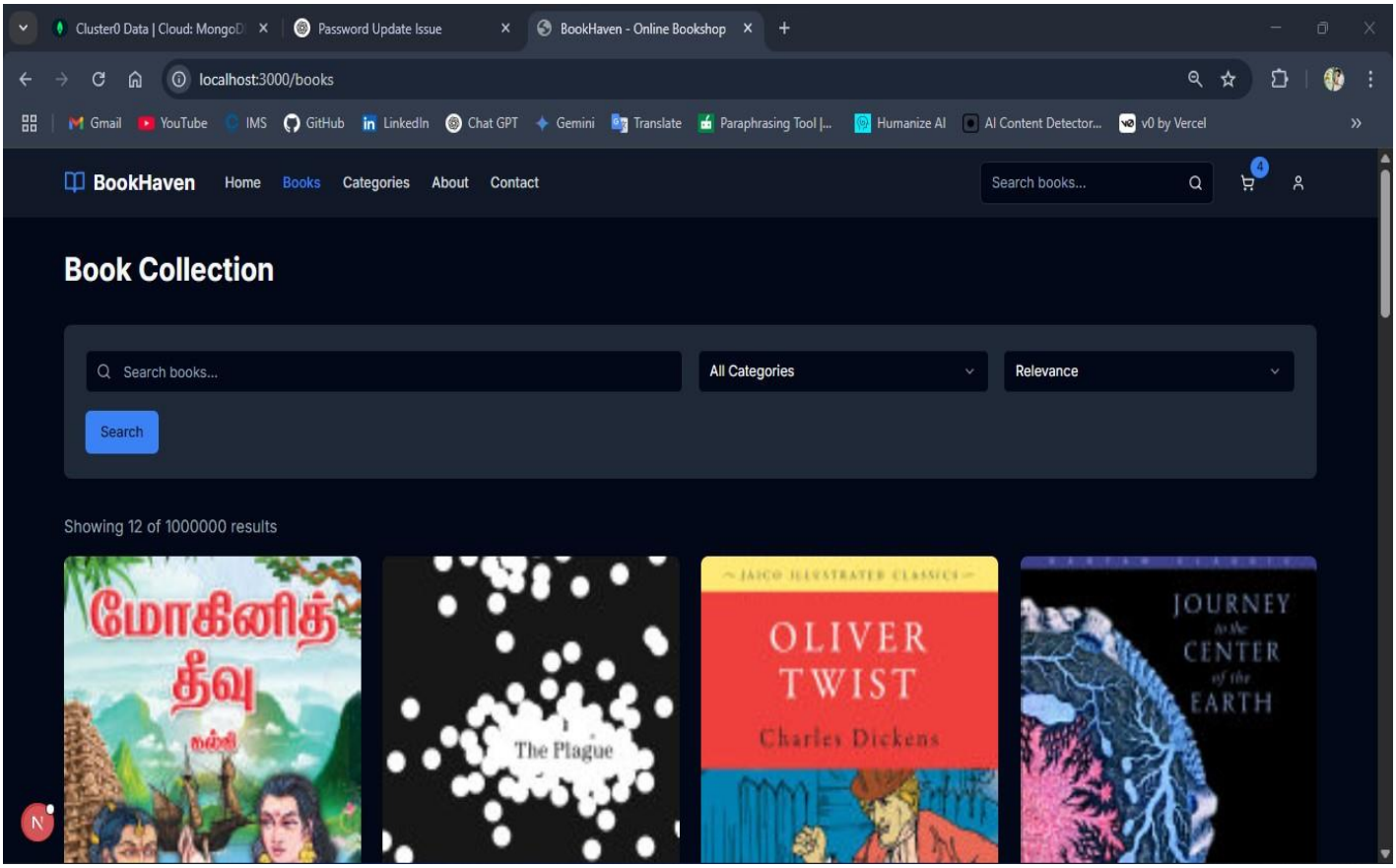
- Authentication success/error messages screenshots

1.2. Book Listing and Search

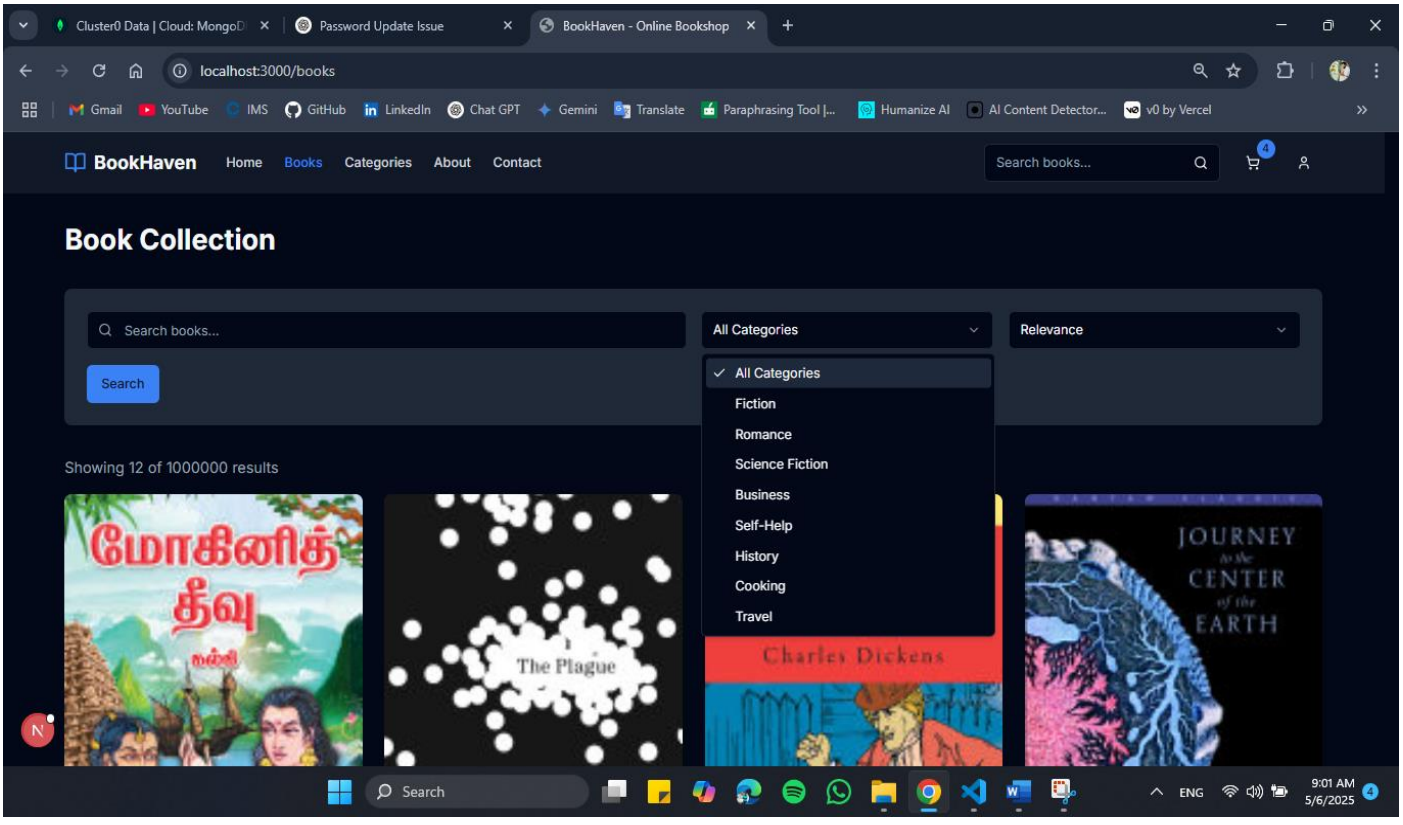
- Main book listing page screenshot

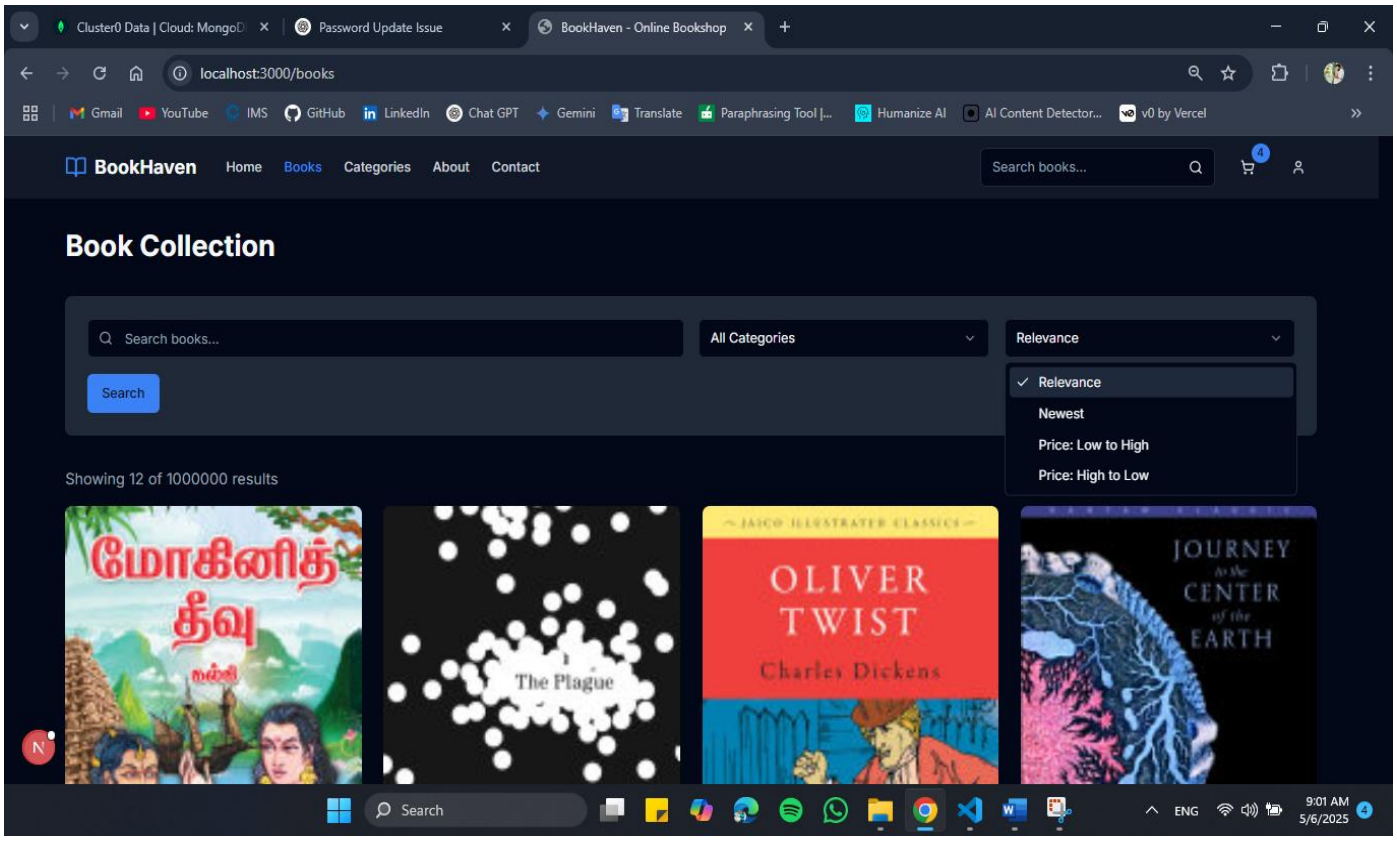


- Search functionality interface screenshot

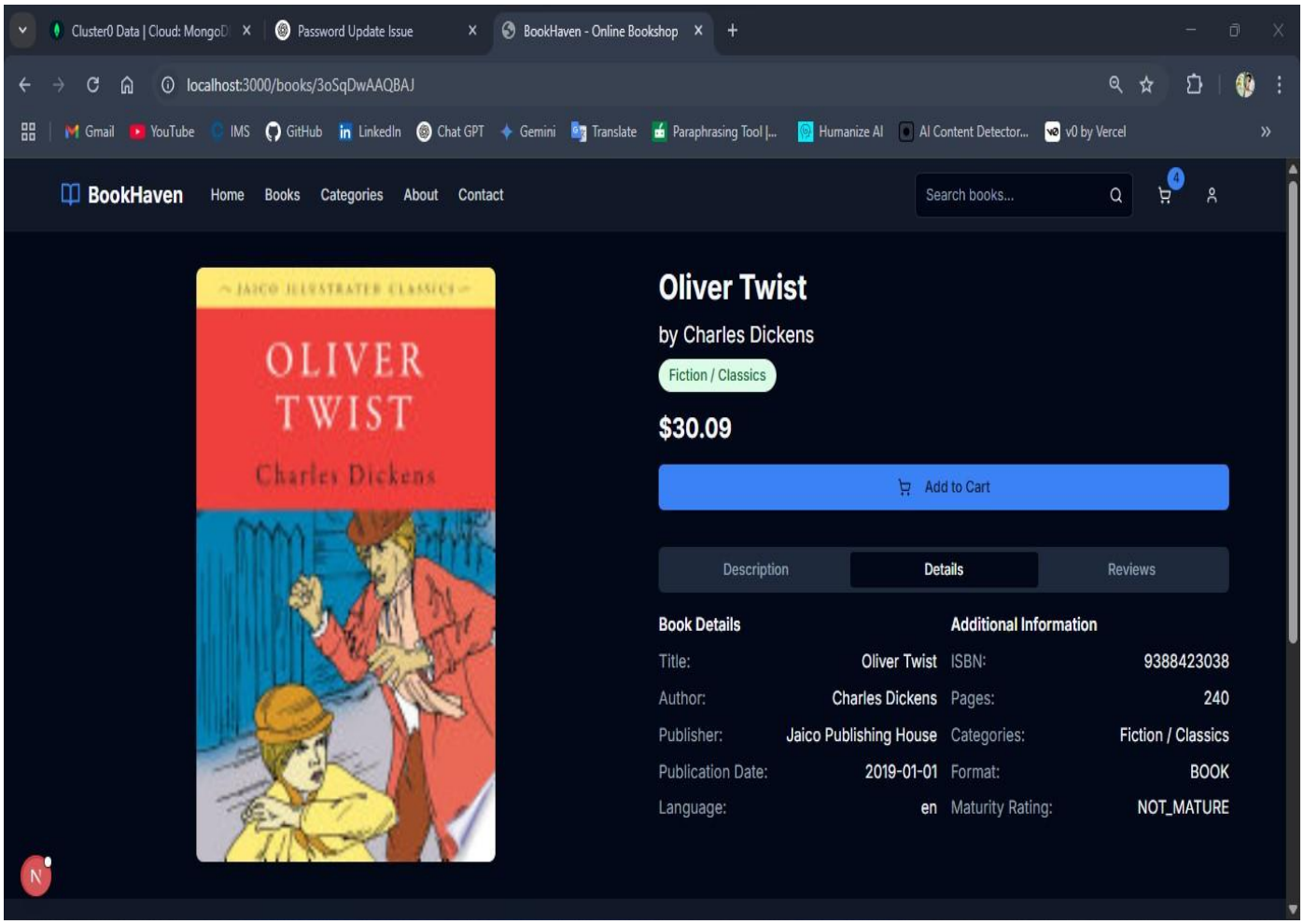


- Filter/Sort options screenshot

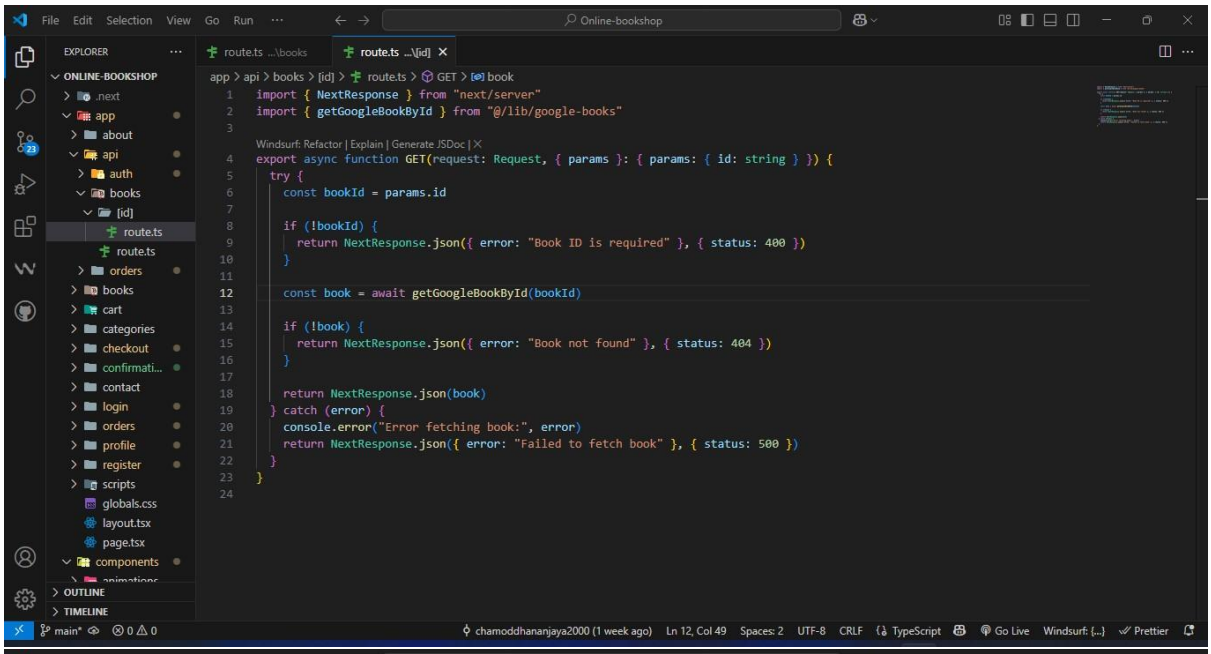




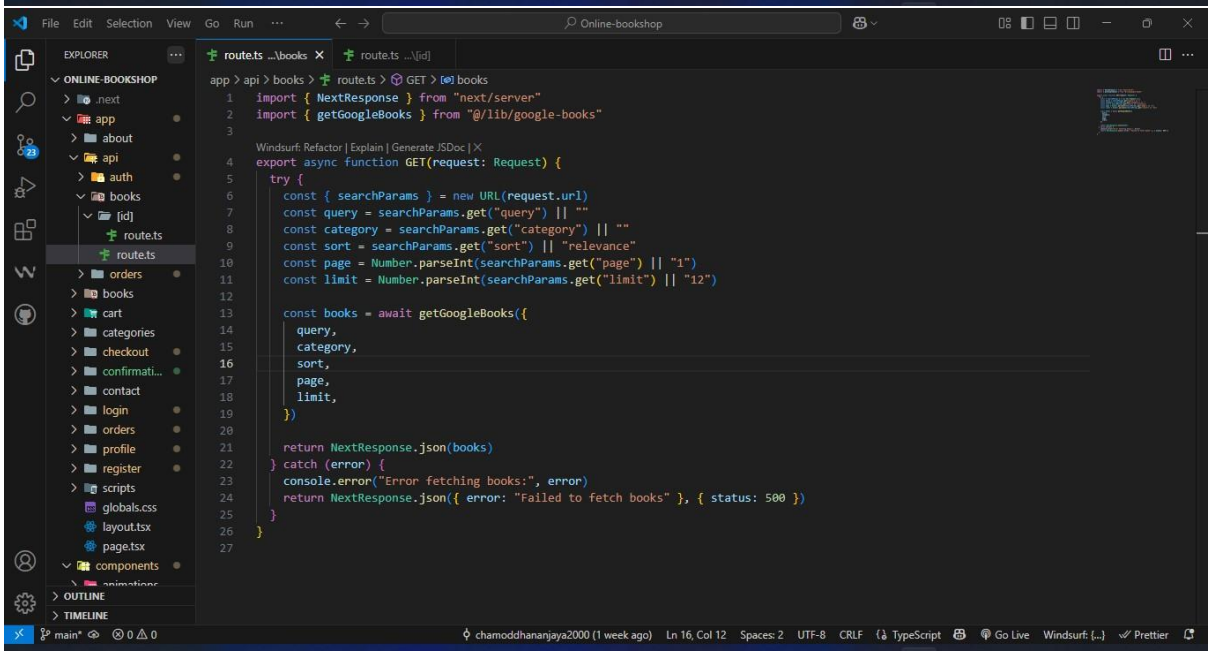
➢ Book detail's view screenshot



- Code screenshots for API integration

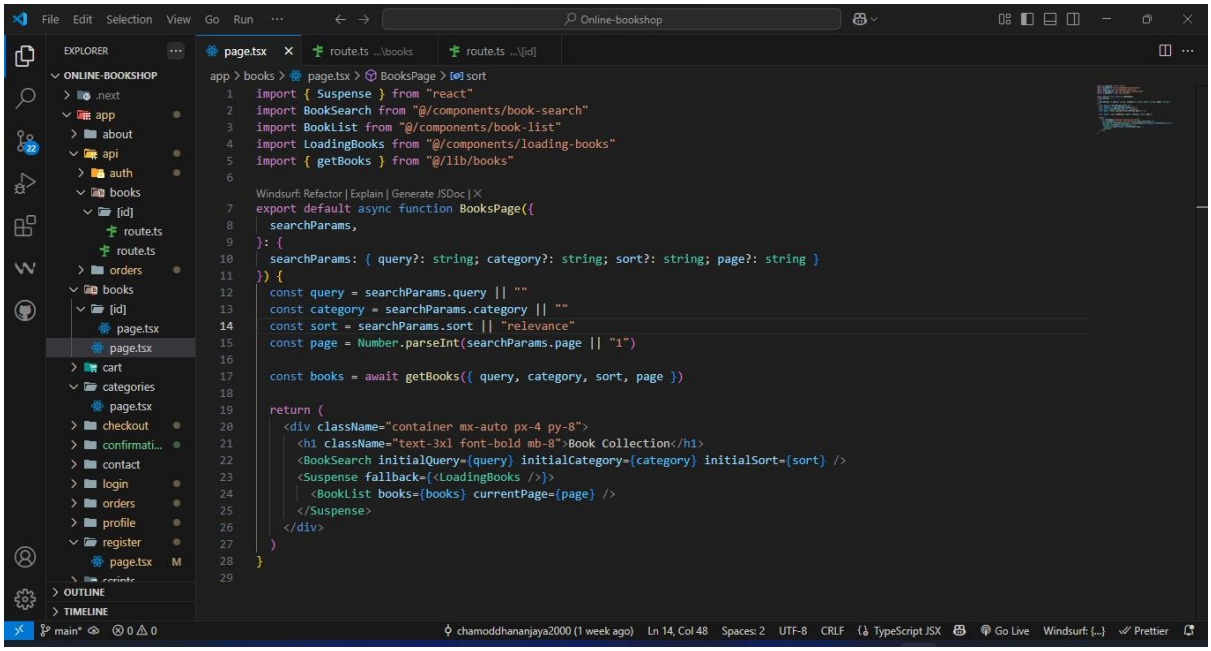


```
import { NextResponse } from "next/server"
import { getGoogleBookById } from "@/lib/google-books"

Windsurf: Refactor | Explain | Generate JSDoc | ×
export async function GET(request: Request, { params }: { params: { id: string } }) {
  try {
    const bookId = params.id

    if (!bookId) {
      return NextResponse.json({ error: "Book ID is required" }, { status: 400 })
    }

    const book = await getGoogleBookById(bookId)

    if (!book) {
      return NextResponse.json({ error: "Book not found" }, { status: 404 })
    }

    return NextResponse.json(book)
  } catch (error) {
    console.error("Error fetching book:", error)
    return NextResponse.json({ error: "Failed to fetch book" }, { status: 500 })
  }
}
```

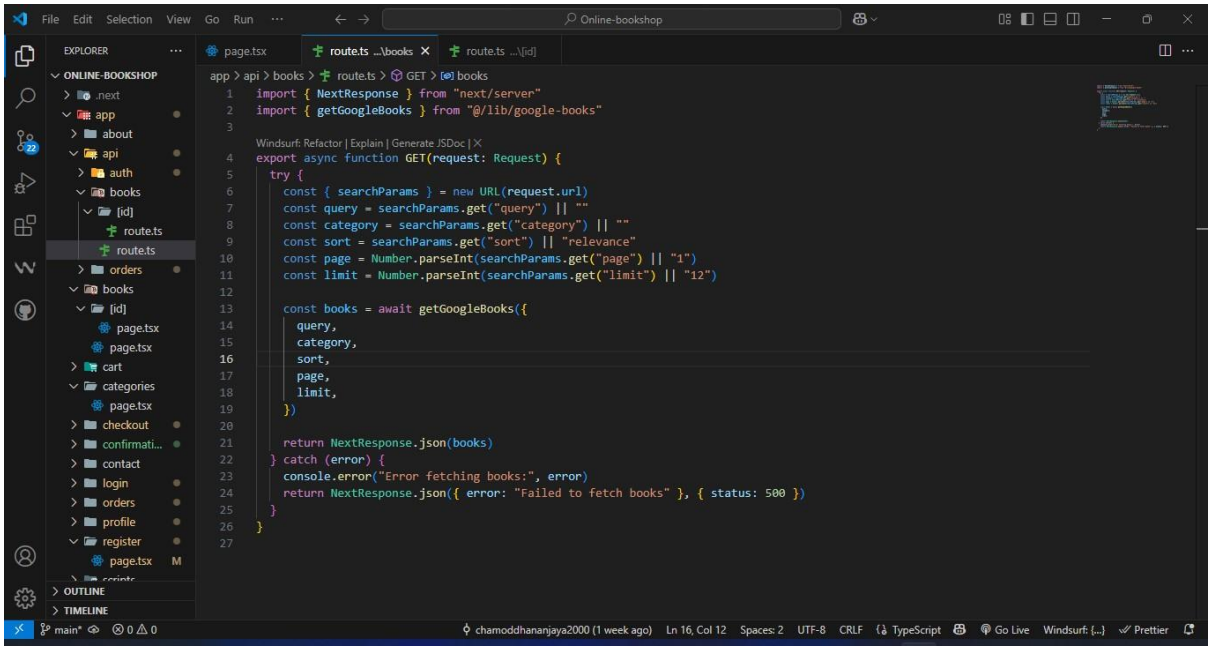


```
import { NextResponse } from "next/server"
import { getGoogleBooks } from "@/lib/google-books"

Windsurf: Refactor | Explain | Generate JSDoc | ×
export async function GET(request: Request) {
  try {
    const { searchParams } = new URL(request.url)
    const query = searchParams.get("query") || ""
    const category = searchParams.get("category") || ""
    const sort = searchParams.get("sort") || "relevance"
    const page = Number.parseInt(searchParams.get("page") || "1")
    const limit = Number.parseInt(searchParams.get("limit") || "12")

    const books = await getGoogleBooks({
      query,
      category,
      sort,
      page,
      limit,
    })

    return NextResponse.json(books)
  } catch (error) {
    console.error("Error fetching books:", error)
    return NextResponse.json({ error: "Failed to fetch books" }, { status: 500 })
  }
}
```

- Search implementation code screenshots



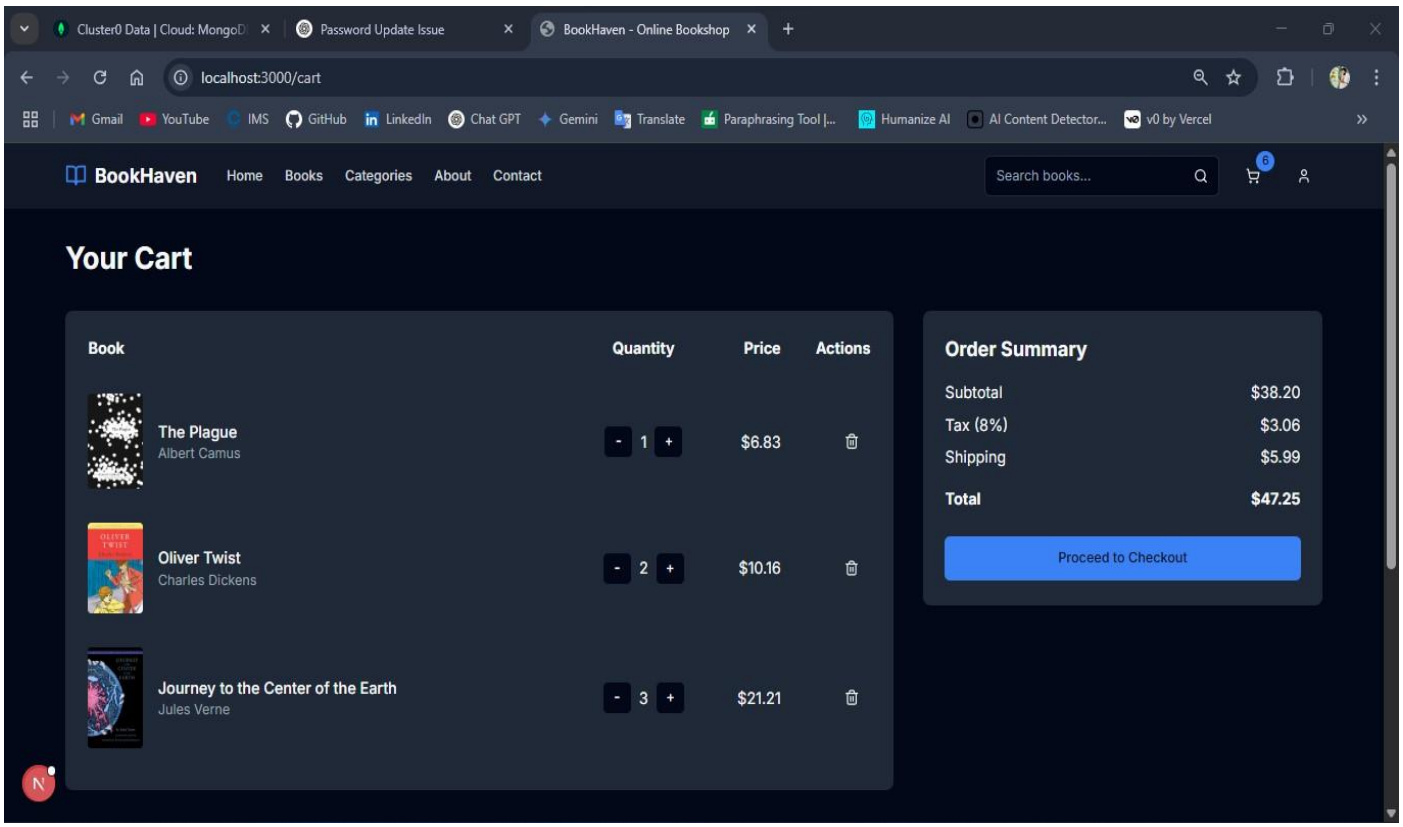
```tsx
import { Suspense } from "react"
import BookSearch from "@/components/book-search"
import BookList from "@/components/book-list"
import LoadingBooks from "@/components/loading-books"
import { getBooks } from "@/lib/books"

export default async function BooksPage({
  searchParams,
}: {
  searchParams: { query?: string; category?: string; sort?: string; page?: string }
}) {
  const query = searchParams.query || ""
  const category = searchParams.category || ""
  const sort = searchParams.sort || "relevance"
  const page = Number.parseInt(searchParams.page || "1")

  const books = await getBooks({ query, category, sort, page })

  return (
    <div className="container mx-auto px-4 py-8">
      <h1 className="text-3xl font-bold mb-8">Book Collection</h1>
      <BookSearch initialQuery={query} initialCategory={category} initialSort={sort} />
      <Suspense fallback={<LoadingBooks />}>
        <BookList books={books} currentPage={page} />
      </Suspense>
    </div>
  )
}
```



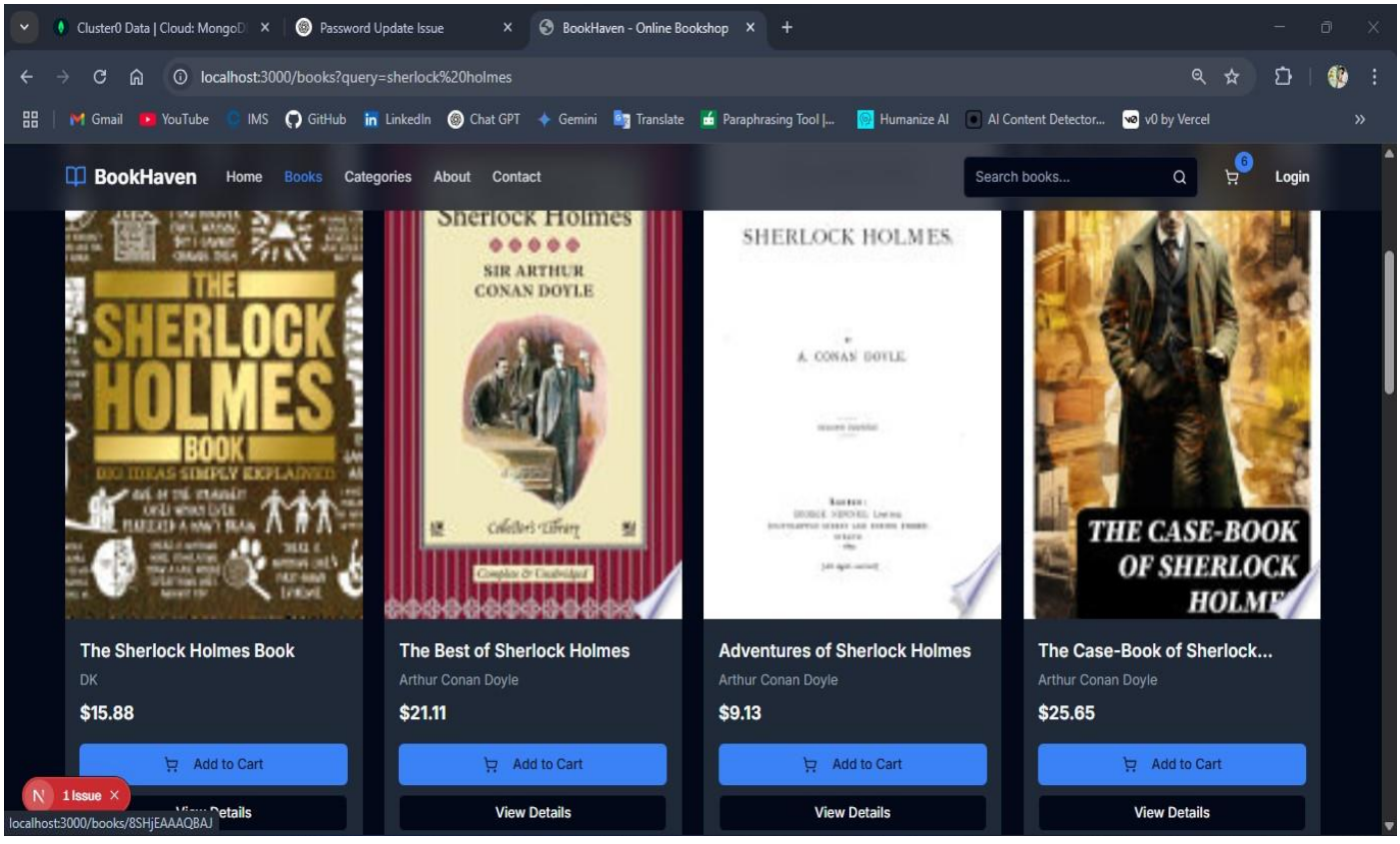
```ts
import { NextResponse } from "next/server"
import { getGoogleBooks } from "@/lib/google-books"

export async function GET(request: Request) {
  try {
    const { searchParams } = new URL(request.url)
    const query = searchParams.get("query") || ""
    const category = searchParams.get("category") || ""
    const sort = searchParams.get("sort") || "relevance"
    const page = Number.parseInt(searchParams.get("page") || "1")
    const limit = Number.parseInt(searchParams.get("limit") || "12")

    const books = await getGoogleBooks({
      query,
      category,
      sort,
      page,
      limit,
    })

    return NextResponse.json(books)
  } catch (error) {
    console.error("Error fetching books:", error)
    return NextResponse.json({ error: "Failed to fetch books" }, { status: 500 })
  }
}
```

1.3. Shopping Cart

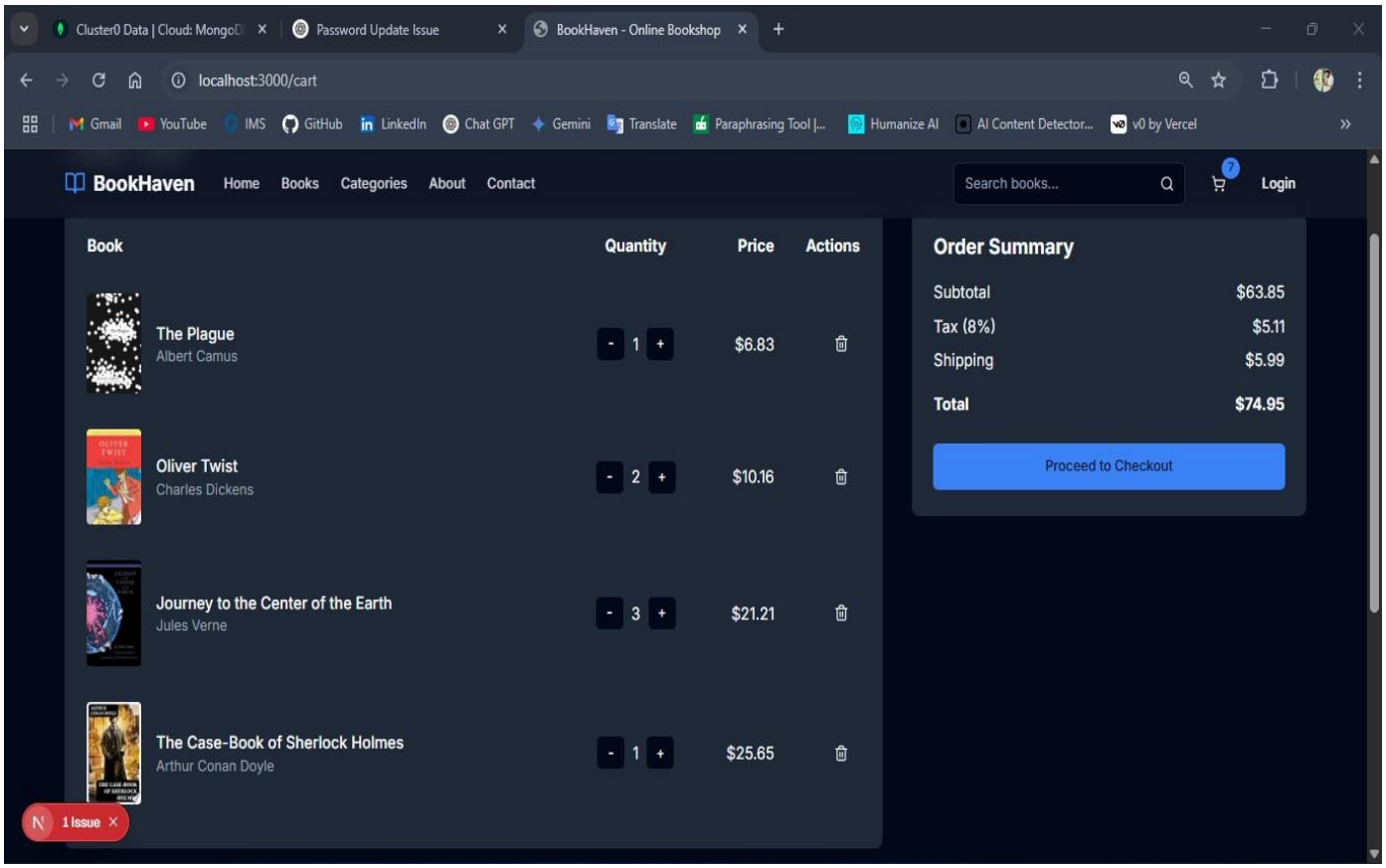
- Cart view screenshot



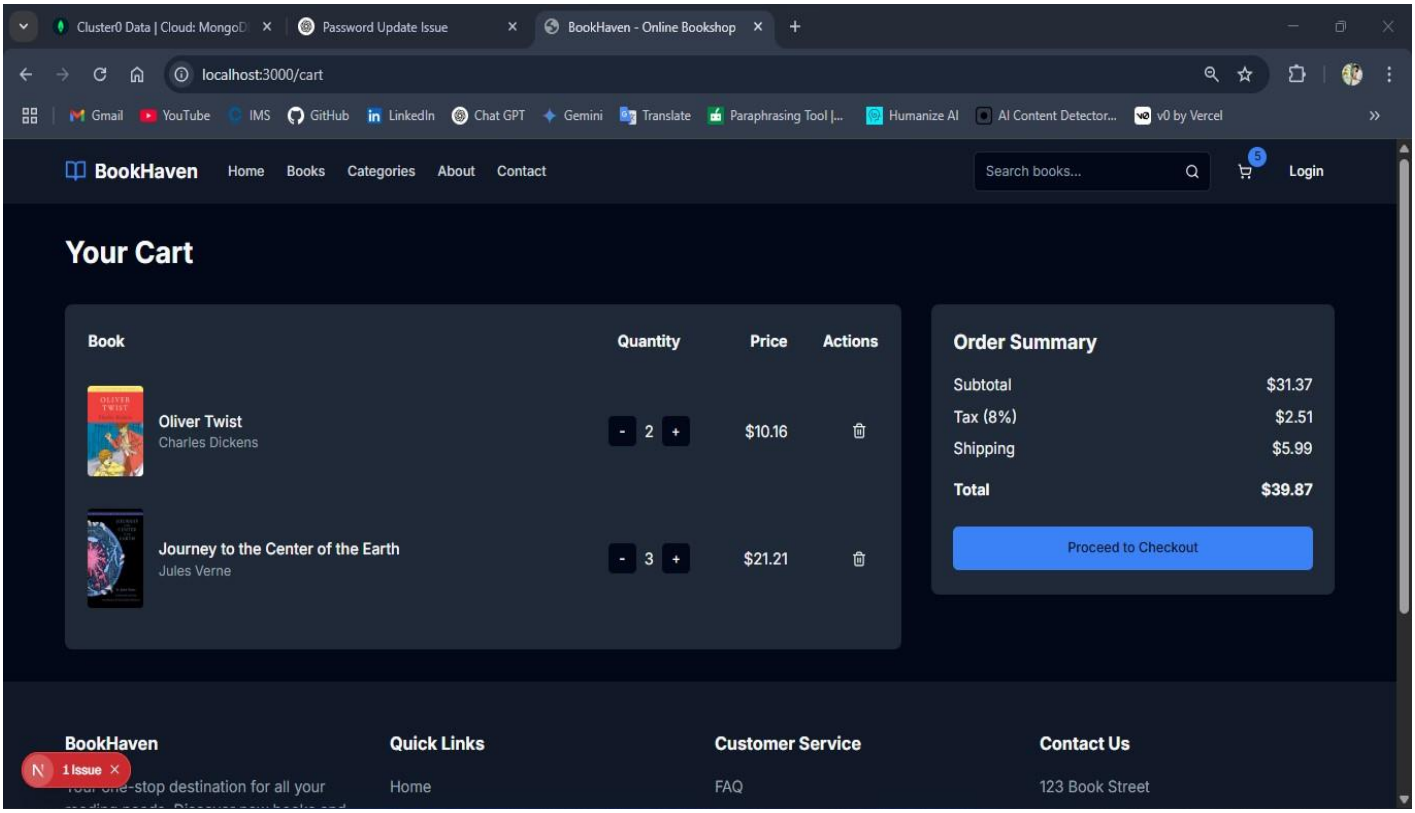
- Add to cart functionality screenshot



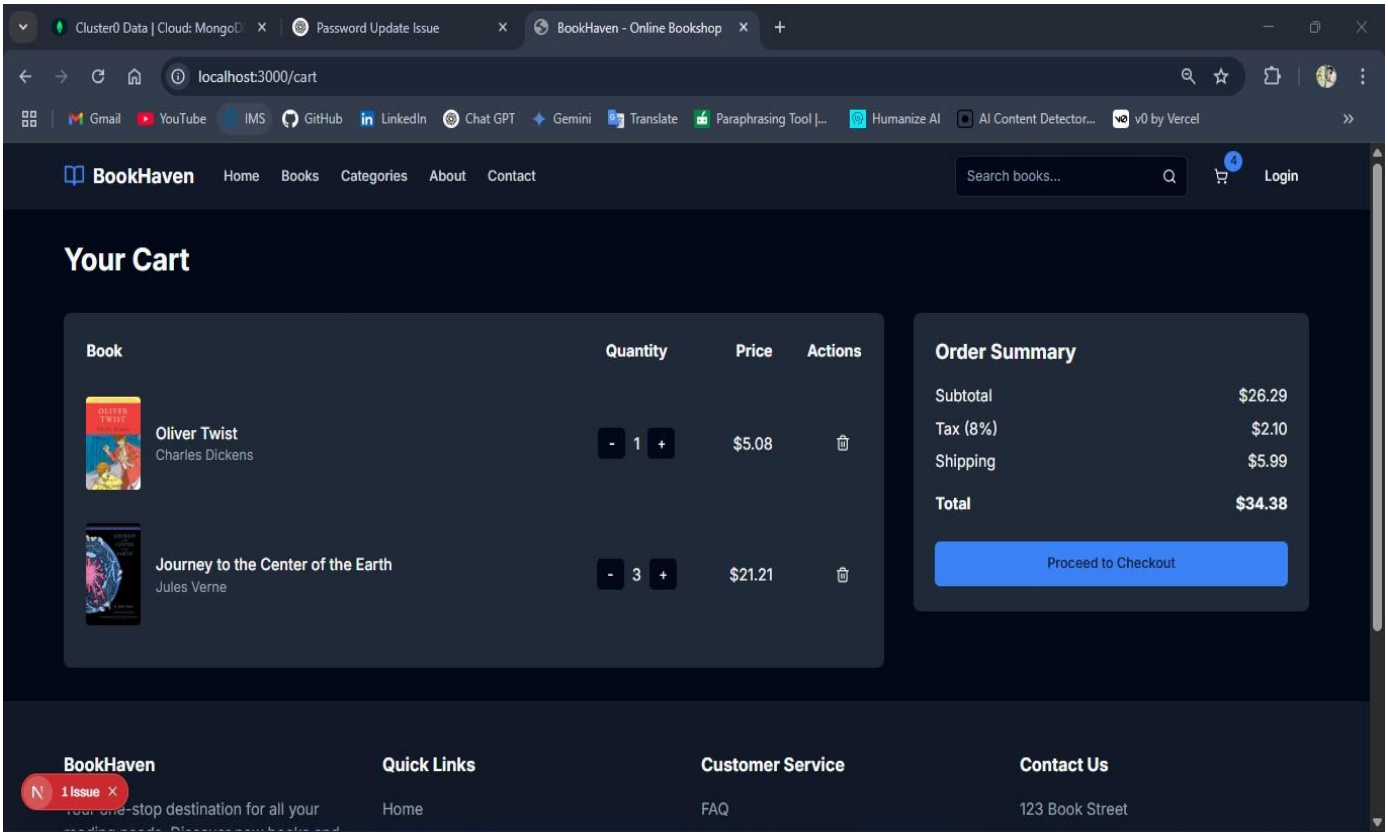
- Update quantity interface screenshot



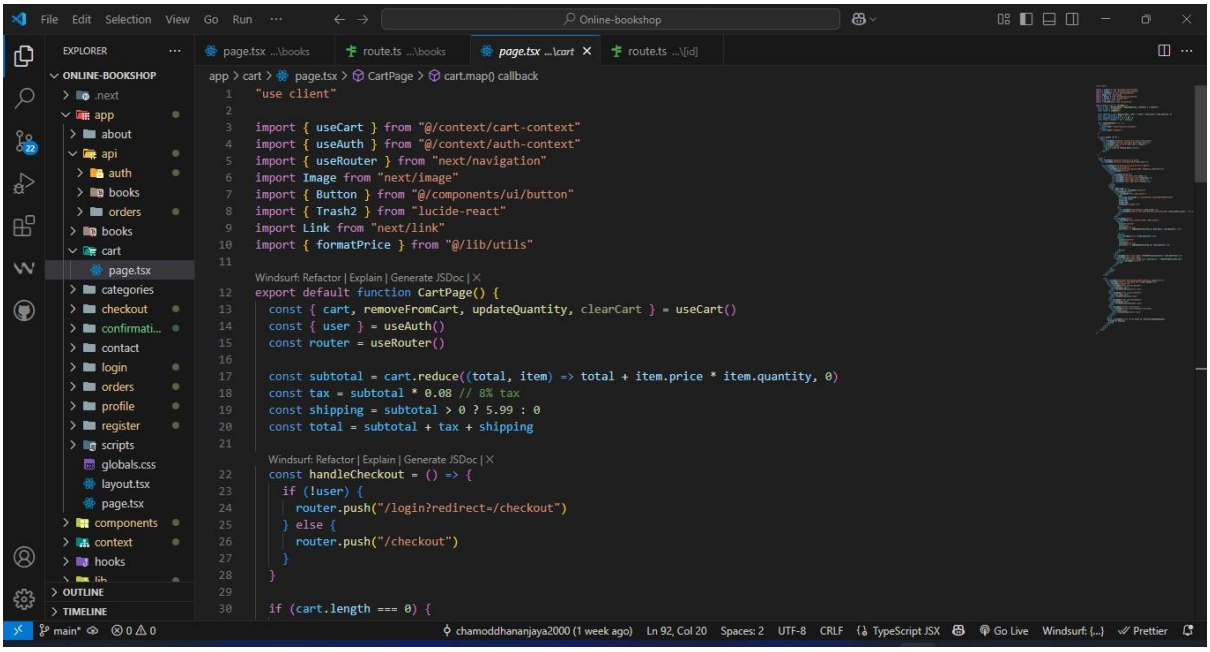
- Remove items interface screenshot

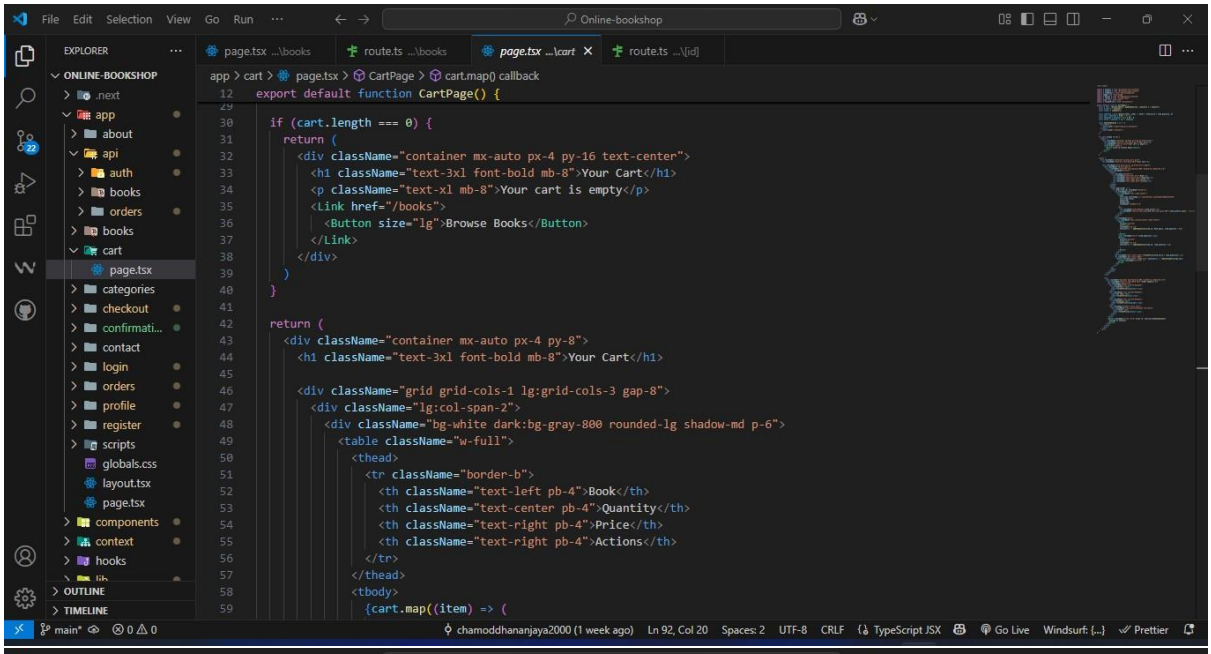


- Cart total calculation screenshot

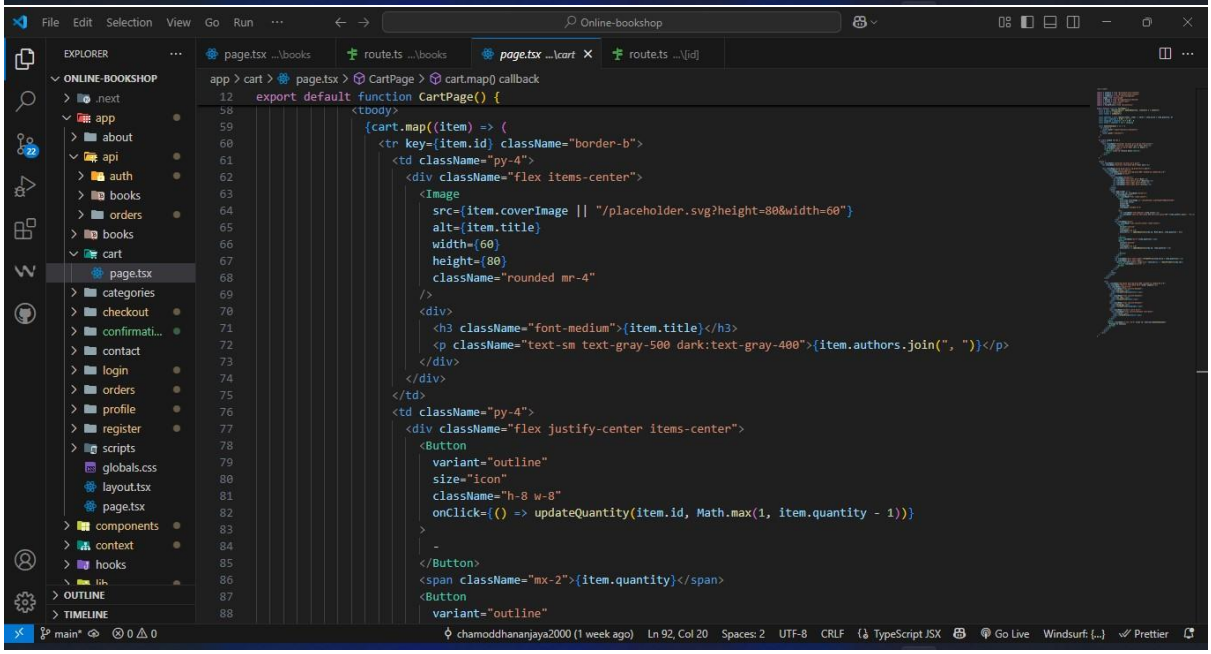


- Related code screenshots for cart management

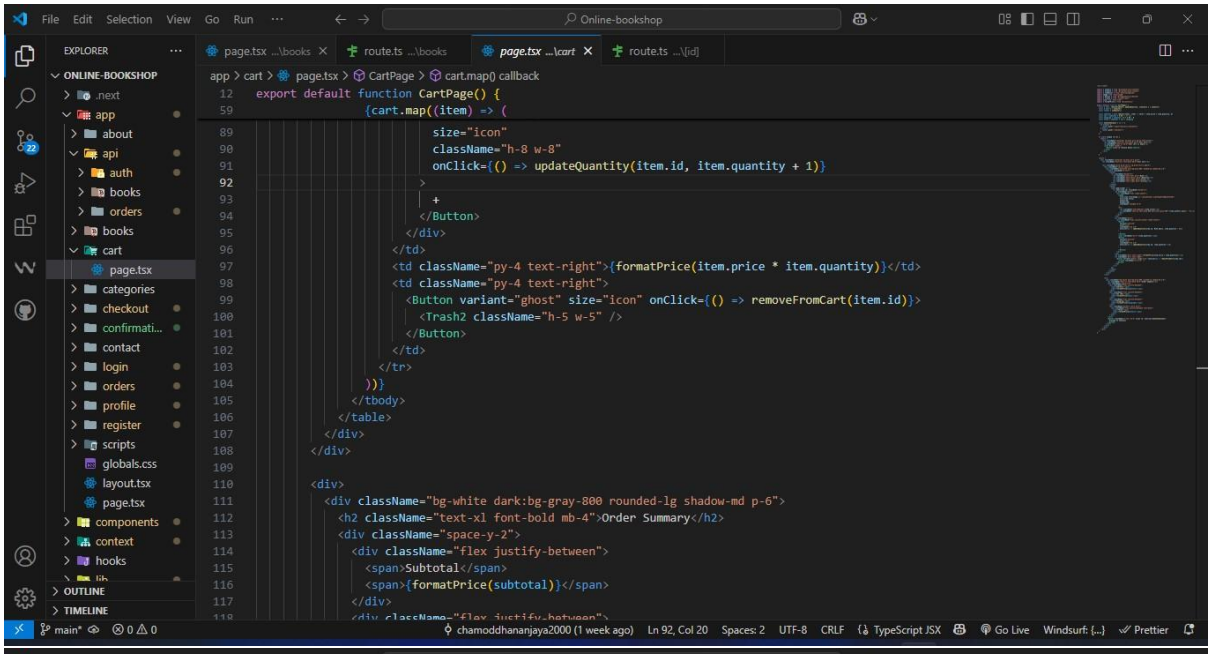




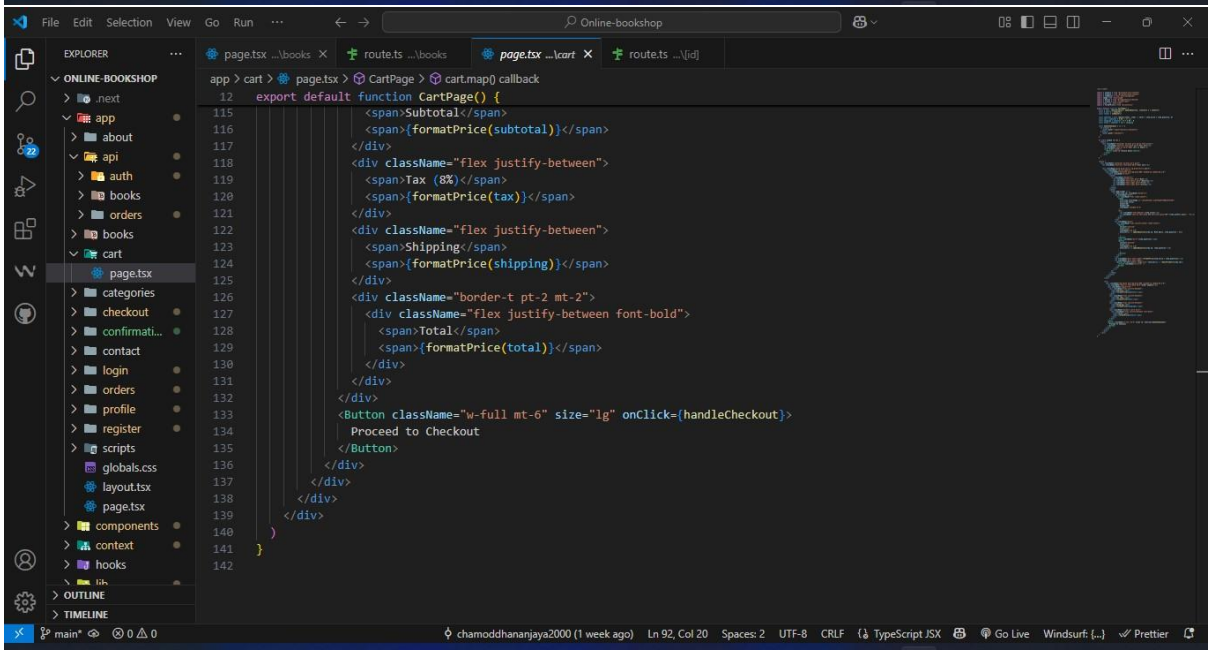
```
export default function CartPage() {

  if (cart.length === 0) {
    return (
      <div className="container mx-auto px-4 py-16 text-center">
        <h1 className="text-3xl font-bold mb-8">Your Cart</h1>
        <p className="text-xl mb-8">Your cart is empty</p>
        <Link href="/books">
          <Button size="lg">Browse Books</Button>
        </Link>
      </div>
    )
  }

  return (
    <div className="container mx-auto px-4 py-8">
      <h1 className="text-3xl font-bold mb-8">Your Cart</h1>

      <div className="grid grid-cols-1 lg:grid-cols-3 gap-8">
        <div className="lg:col-span-2">
          <div className="bg-white dark:bg-gray-800 rounded-lg shadow-md p-6">
            <table className="w-full">
              <thead>
                <tr className="border-b">
                  <th className="text-left pb-4">Book</th>
                  <th className="text-center pb-4">Quantity</th>
                  <th className="text-right pb-4">Price</th>
                  <th className="text-right pb-4">Actions</th>
                </tr>
              </thead>
              <tbody>
                {cart.map((item) => (
```



```
                <tbody>
                {cart.map((item) => (
                  <tr key={item.id} className="border-b">
                    <td className="py-4">
                      <div className="flex items-center">
                        <Image
                          src={item.coverImage || "/placeholder.svg?height=80&width=60"}
                          alt={item.title}
                          width={60}
                          height={80}
                          className="rounded mr-4"
                        />
                        <div>
                          <h3 className="font-medium">{item.title}</h3>
                          <p className="text-sm text-gray-500 dark:text-gray-400">{item.authors.join(", ")}</p>
                        </div>
                      </div>
                    </td>
                    <td className="py-4">
                      <div className="flex justify-center items-center">
                        <Button
                          variant="outline"
                          size="icon"
                          className="h-8 w-8"
                          onClick={() => updateQuantity(item.id, Math.max(1, item.quantity - 1))}
                        >
                          -
                        </Button>
                        <span className="mx-2">{item.quantity}</span>
                        <Button
                          variant="outline"
```



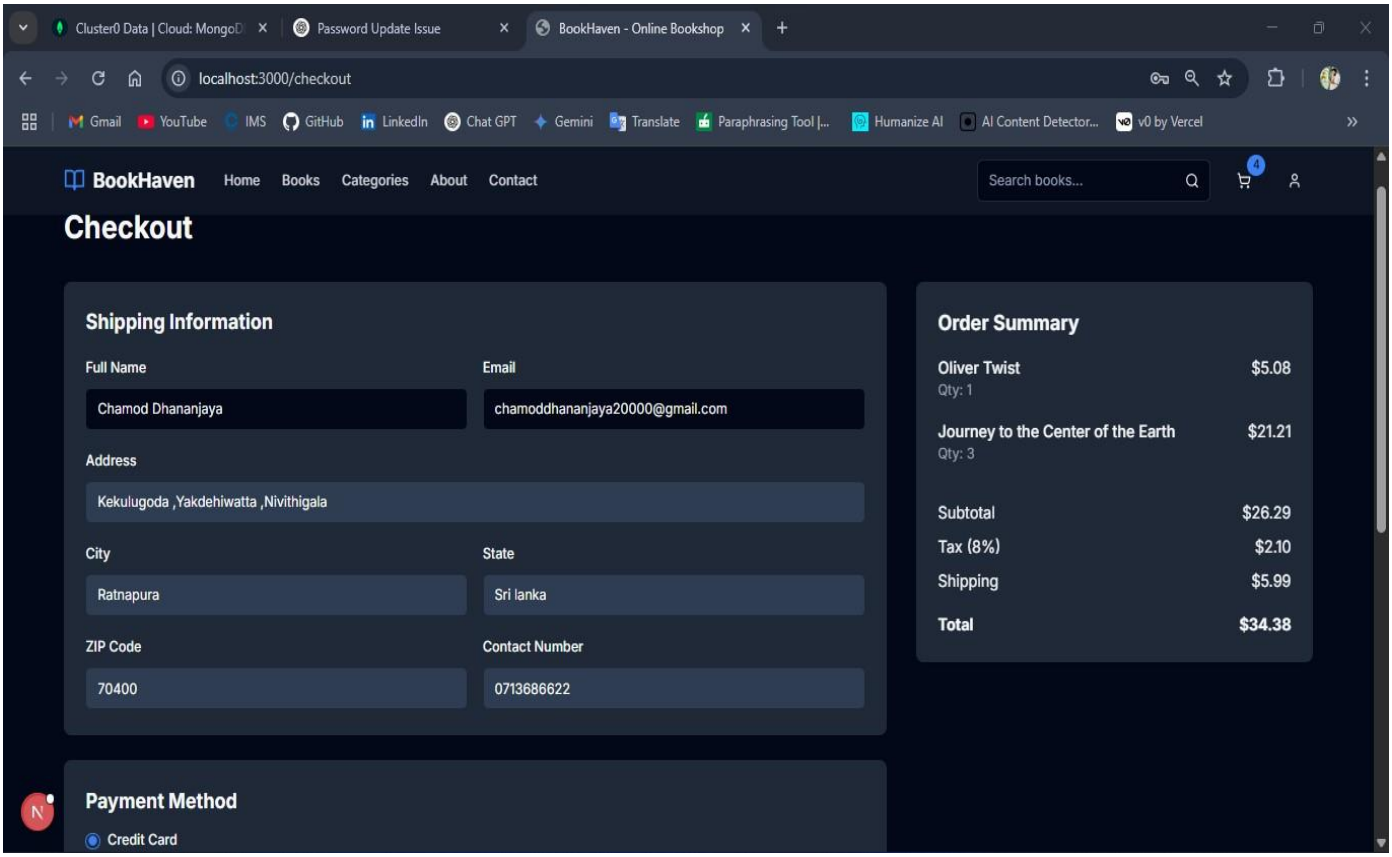
```
export default function CartPage() {
                {cart.map((item) => (
                                size="icon"
                                className="h-8 w-8"
                                onClick={() => updateQuantity(item.id, item.quantity + 1)}
                              >
                                +
                              </Button>
                            </div>
                          </td>
                          <td className="py-4 text-right">{formatPrice(item.price * item.quantity)}</td>
                          <td className="py-4 text-right">
                            <Button variant="ghost" size="icon" onClick={() => removeFromCart(item.id)}>
                              <Trash2 className="h-5 w-5" />
                            </Button>
                          </td>
                        </tr>
                      ))}
                    </tbody>
                  </table>
                </div>
              </div>

              <div>
                <div className="bg-white dark:bg-gray-800 rounded-lg shadow-md p-6">
                  <h2 className="text-xl font-bold mb-4">Order Summary</h2>
                  <div className="space-y-2">
                    <div className="flex justify-between">
                      <span>Subtotal</span>
                      <span>{formatPrice(subtotal)}</span>
                    </div>
```



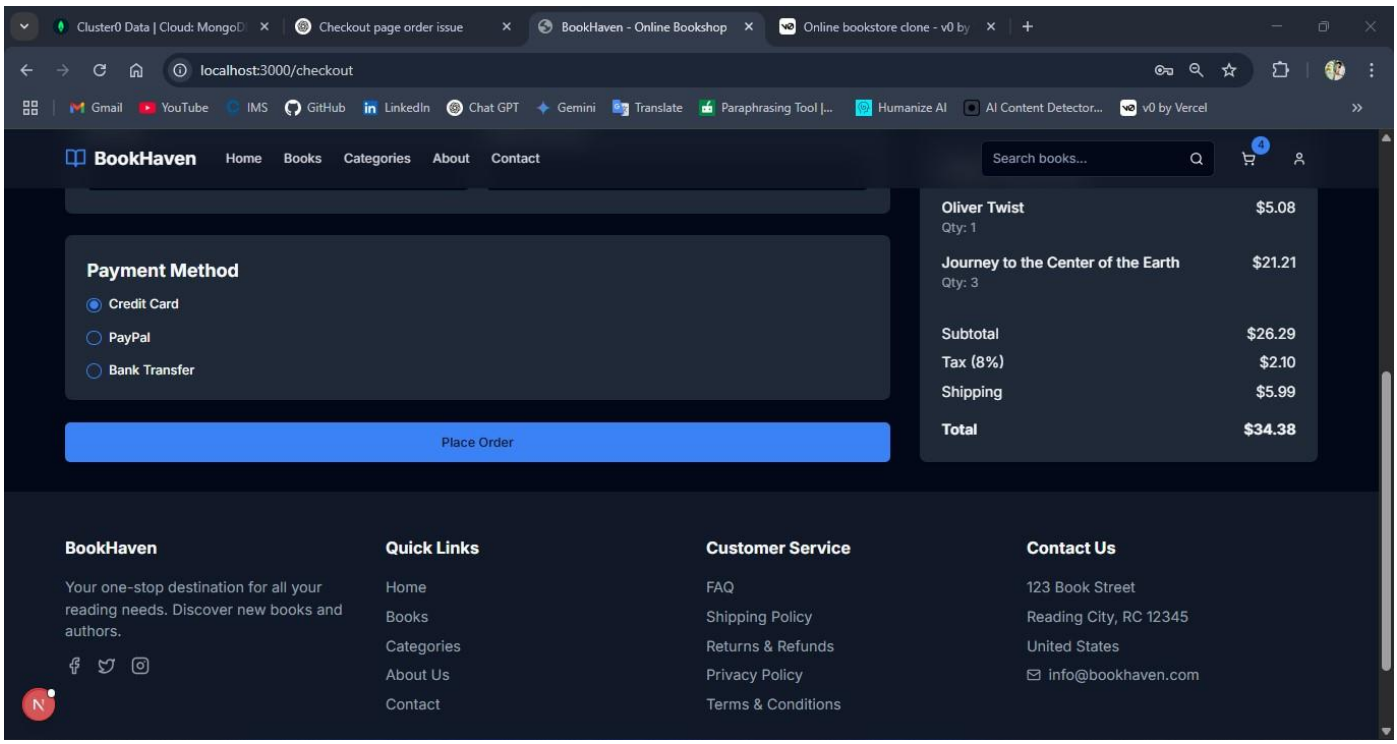
```
export default function CartPage() {
                      <span>Subtotal</span>
                      <span>{formatPrice(subtotal)}</span>
                    </div>
                    <div className="flex justify-between">
                      <span>Tax (8%)</span>
                      <span>{formatPrice(tax)}</span>
                    </div>
                    <div className="flex justify-between">
                      <span>Shipping</span>
                      <span>{formatPrice(shipping)}</span>
                    </div>
                    <div className="border-t pt-2 mt-2">
                      <div className="flex justify-between font-bold">
                        <span>Total</span>
                        <span>{formatPrice(total)}</span>
                      </div>
                    </div>
                  </div>
                  <Button className="w-full mt-6" size="lg" onClick={handleCheckout}>
                    Proceed to Checkout
                  </Button>
                </div>
              </div>
            </div>
          </div>
        )
      }
```

1.4. Checkout Process

- Checkout form screenshot

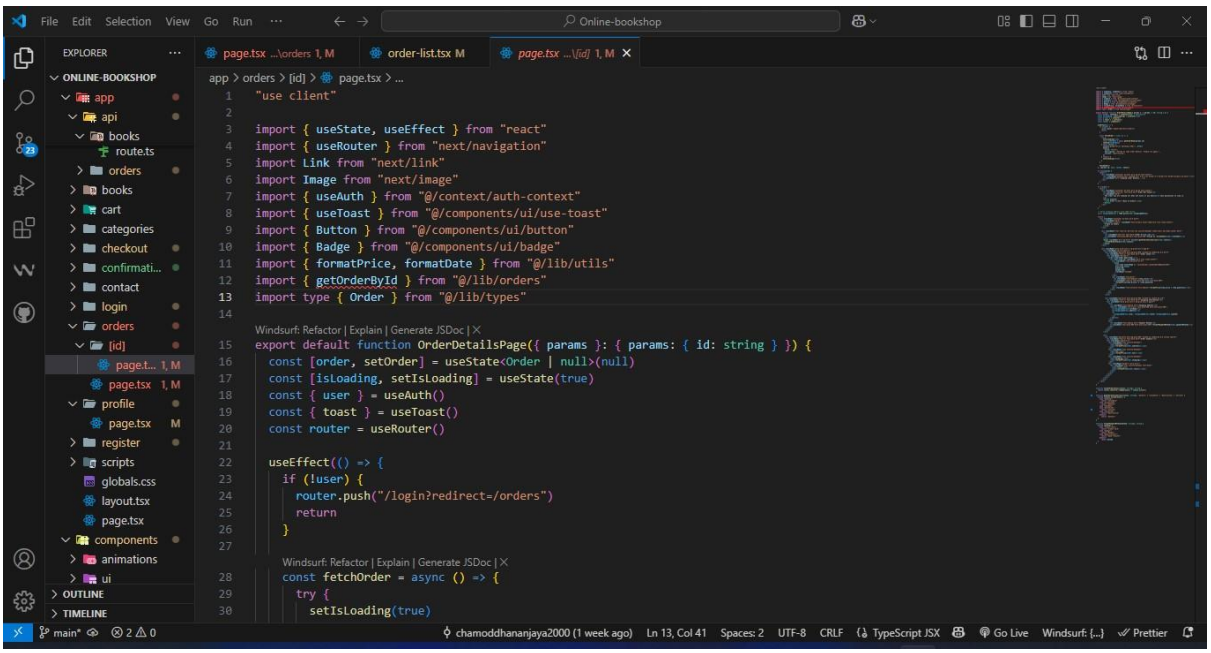


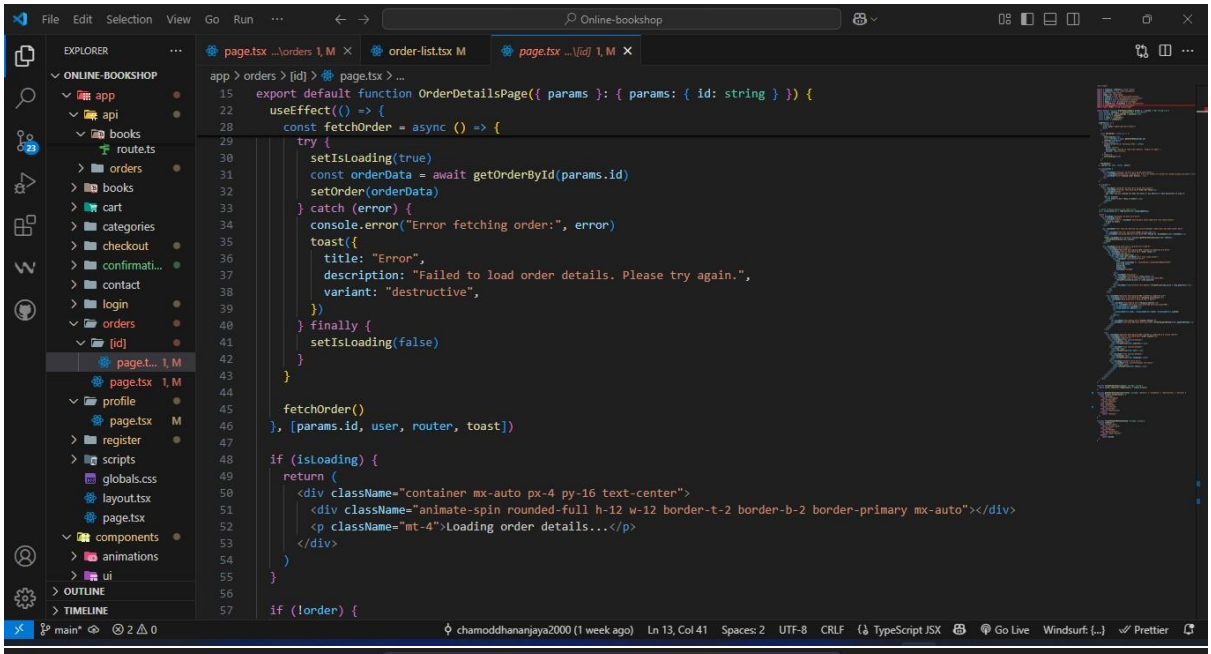
- Payment interface screenshot



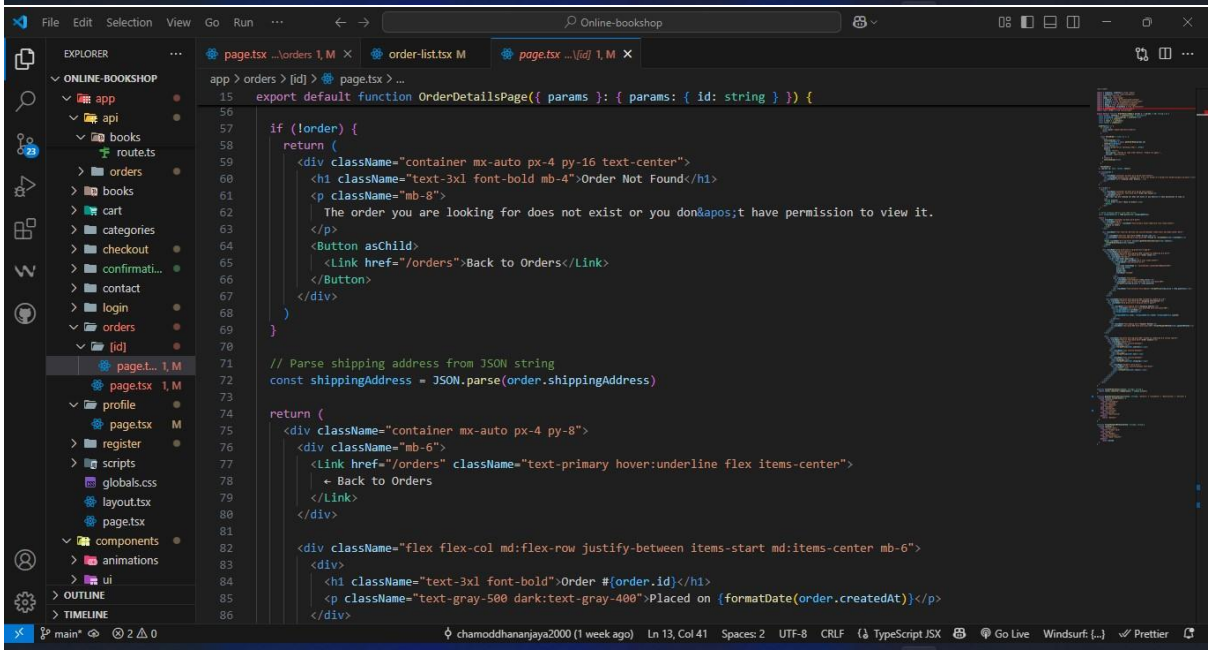
- Order confirmation page screenshot

- Implementation code screenshots

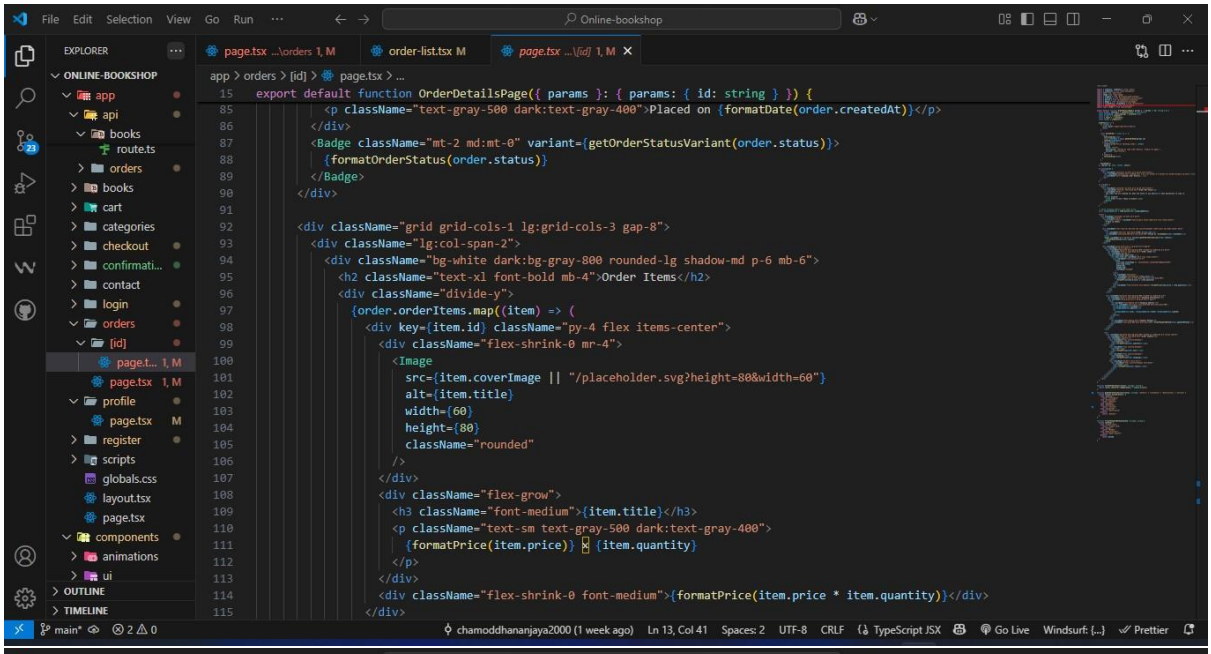




```
export default function OrderDetailsPage({ params }: { params: { id: string } }) {
  useEffect(() => {
    const fetchOrder = async () => {
      try {
        setIsLoading(true)
        const orderData = await getOrderById(params.id)
        setOrder(orderData)
      } catch (error) {
        console.error("Error fetching order:", error)
        toast({
          title: "Error",
          description: "Failed to load order details. Please try again.",
          variant: "destructive",
        })
      } finally {
        setIsLoading(false)
      }
    }

    fetchOrder()
  }, [params.id, user, router, toast])

  if (isLoading) {
    return (
      <div className="container mx-auto px-4 py-16 text-center">
        <div className="animate-spin rounded-full h-12 w-12 border-t-2 border-b-2 border-primary mx-auto"></div>
        <p className="mt-4">Loading order details...</p>
      </div>
    )
  }

  if (!order) {
```



```
export default function OrderDetailsPage({ params }: { params: { id: string } }) {

  if (!order) {
    return (
      <div className="container mx-auto px-4 py-16 text-center">
        <h1 className="text-3xl font-bold mb-4">Order Not Found</h1>
        <p className="mb-8">
          The order you are looking for does not exist or you don&apos;t have permission to view it.
        </p>
        <Button asChild>
          <Link href="/orders">Back to Orders</Link>
        </Button>
      </div>
    )
  }

  // Parse shipping address from JSON string
  const shippingAddress = JSON.parse(order.shippingAddress)

  return (
    <div className="container mx-auto px-4 py-8">
      <div className="mb-6">
        <Link href="/orders" className="text-primary hover:underline flex items-center">
          ← Back to Orders
        </Link>
      </div>

      <div className="flex flex-col md:flex-row justify-between items-start md:items-center mb-6">
        <div>
          <h1 className="text-3xl font-bold">Order #{order.id}</h1>
          <p className="text-gray-500 dark:text-gray-400">Placed on {formatDate(order.createdAt)}</p>
        </div>
```


File Edit Selection View Go Run
Online-bookshop
EXPLORER
page.tsx ...\orders 1, M
order-list.tsx M
page.tsx ...\[id] 1, M
app > orders > [id] > page.tsx > ...
export default function OrderDetailsPage({ params }: { params: { id: string } }) {
Placed on {formatDate(order.createdAt)}

<Badge className="mt-2 md:mt-0" variant={getOrderStatusVariant(order.status)}>
{formatOrderStatus(order.status)}
</Badge>

<h2 className="text-xl font-bold mb-4">Order Items</h2>

{order.orderItems.map((item) => (

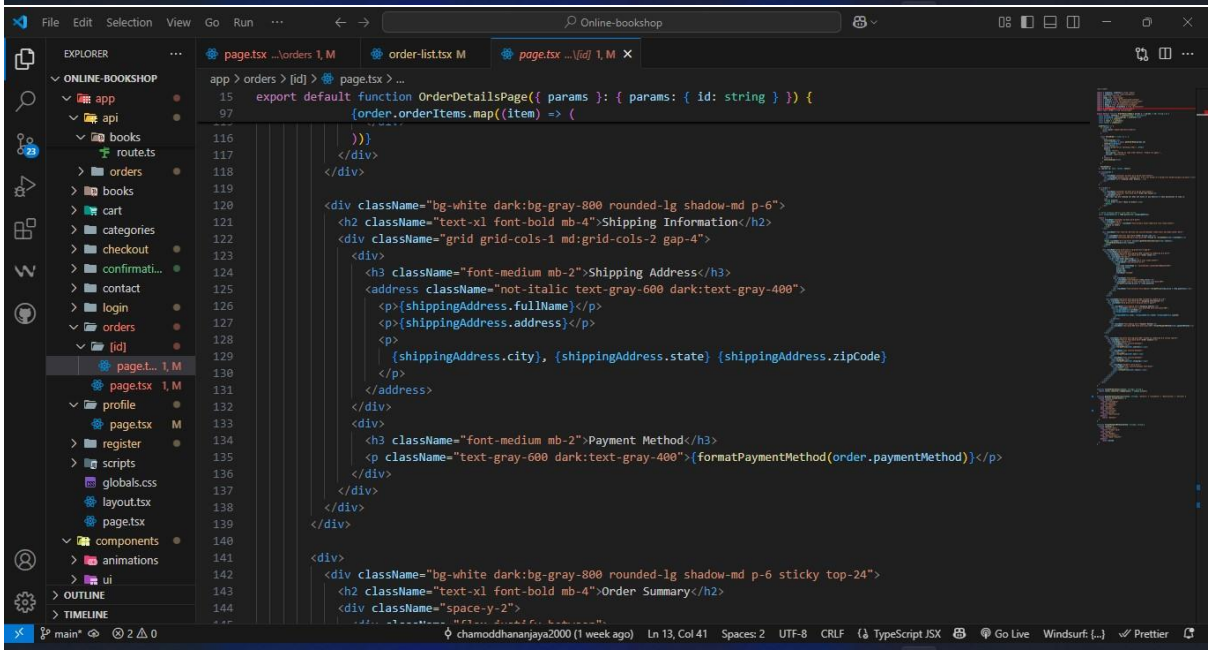
<Image
src={item.coverImage || "/placeholder.svg?height=80&width=60"}
alt={item.title}
width={60}
height={80}
className="rounded"
/>

<h3 className="font-medium">{item.title}</h3>

{formatPrice(item.price)} × {item.quantity}

{formatPrice(item.price * item.quantity)}

chamoddhananjaya2000 (1 week ago) Ln 13, Col 41 Spaces: 2 UTF-8 CRLF TypeScript JSX Go Live Windsurf: {...} Prettier


File Edit Selection View Go Run
Online-bookshop
EXPLORER
page.tsx ...\orders 1, M
order-list.tsx M
page.tsx ...\[id] 1, M
app > orders > [id] > page.tsx > ...
export default function OrderDetailsPage({ params }: { params: { id: string } }) {
{order.orderItems.map((item) => (
))}

<h2 className="text-xl font-bold mb-4">Shipping Information</h2>

<h3 className="font-medium mb-2">Shipping Address</h3>
<address className="not-italic text-gray-600 dark:text-gray-400">
{shippingAddress.fullName}
{shippingAddress.address}

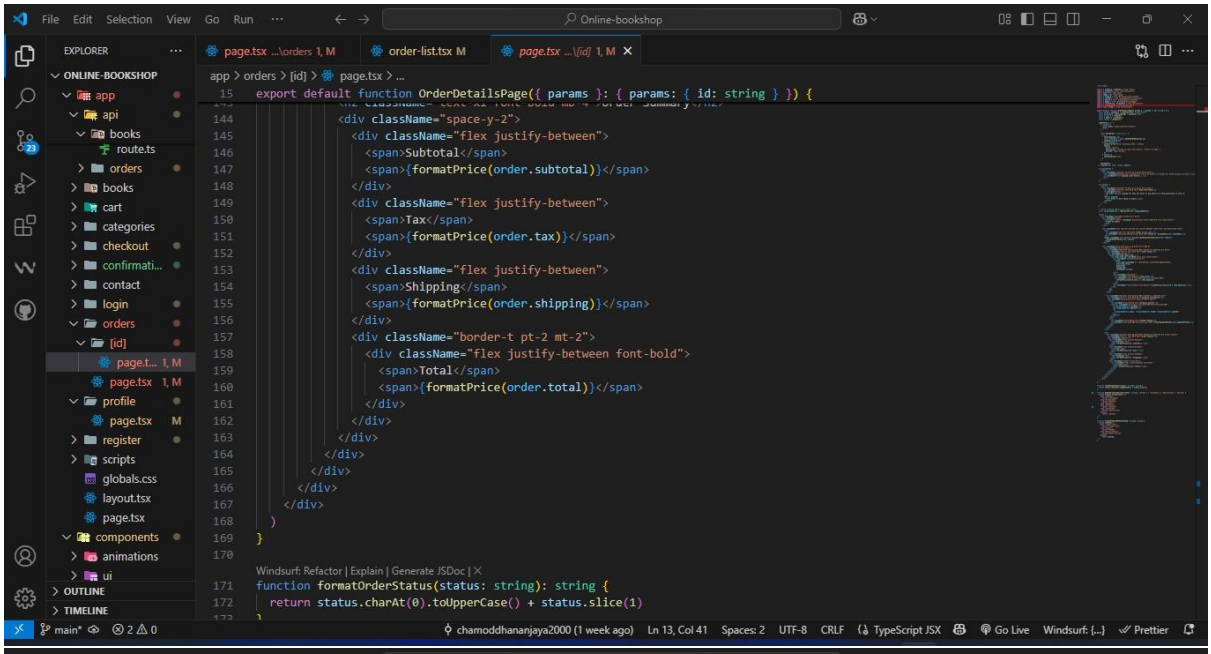
{shippingAddress.city}, {shippingAddress.state} {shippingAddress.zipCode}

</address>

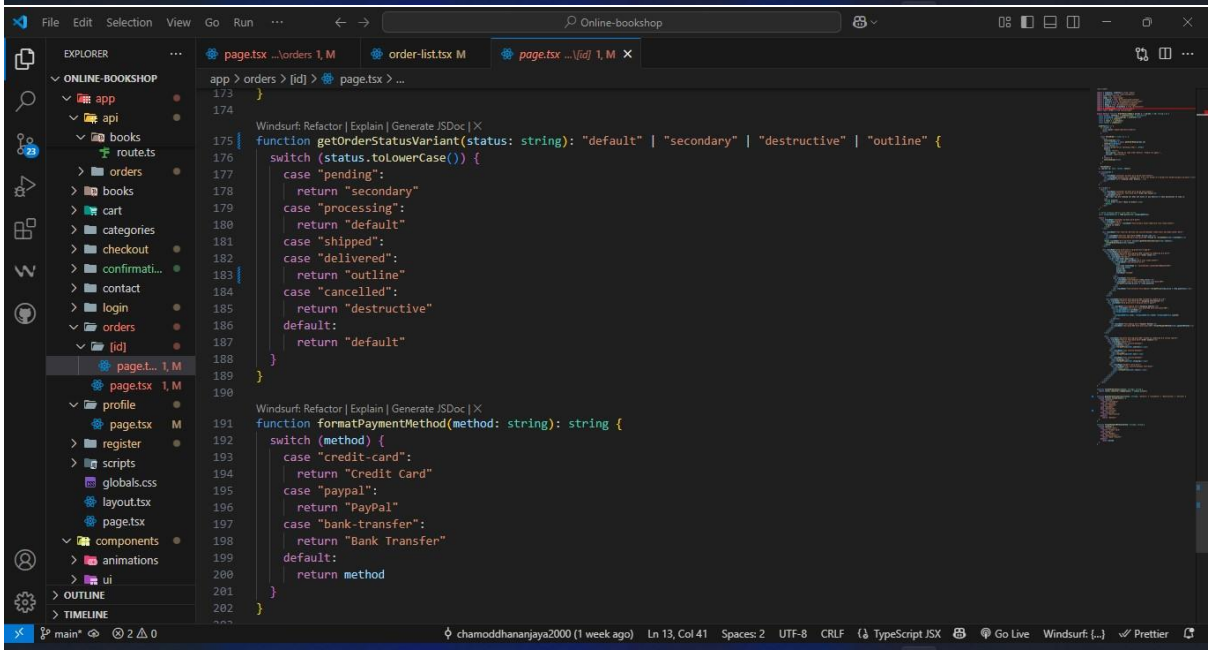
<h3 className="font-medium mb-2">Payment Method</h3>
{formatPaymentMethod(order.paymentMethod)}

<h2 className="text-xl font-bold mb-4">Order Summary</h2>

chamoddhananjaya2000 (1 week ago) Ln 13, Col 41 Spaces: 2 UTF-8 CRLF TypeScript JSX Go Live Windsurf: {...} Prettier

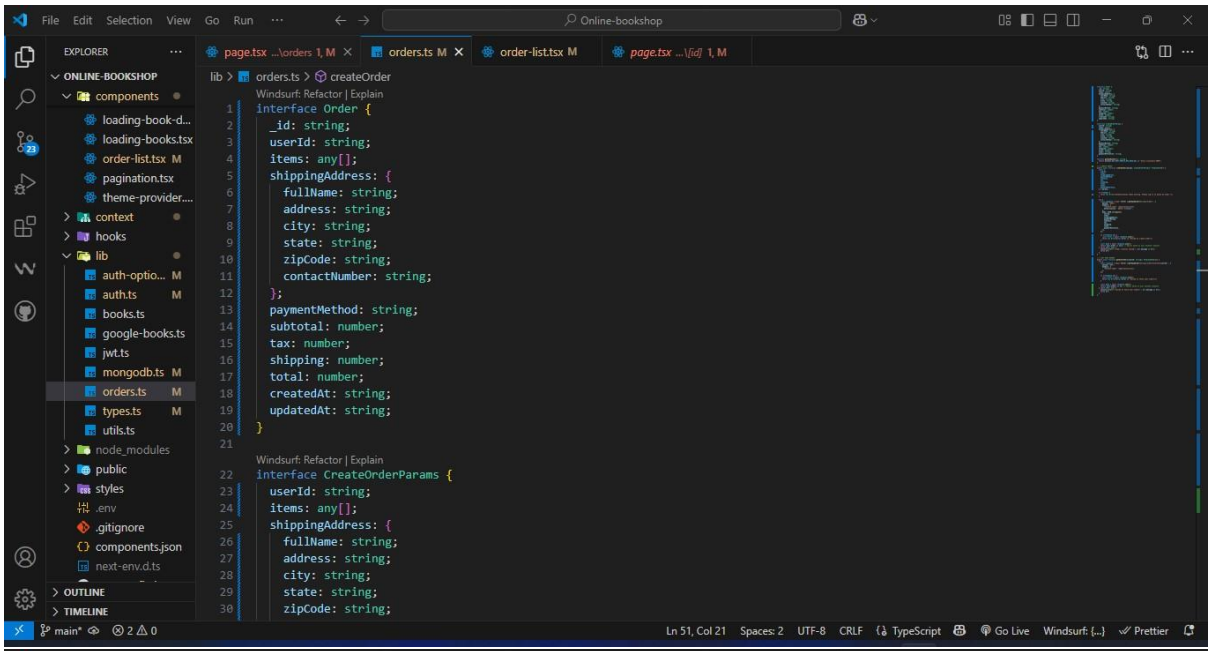


```
export default function OrderDetailsPage({ params }: { params: { id: string } }) {
                <div className="space-y-2">
                  <div className="flex justify-between">
                    <span>Subtotal</span>
                    <span>{formatPrice(order.subtotal)}</span>
                  </div>
                  <div className="flex justify-between">
                    <span>Tax</span>
                    <span>{formatPrice(order.tax)}</span>
                  </div>
                  <div className="flex justify-between">
                    <span>Shipping</span>
                    <span>{formatPrice(order.shipping)}</span>
                  </div>
                  <div className="border-t pt-2 mt-2">
                    <div className="flex justify-between font-bold">
                      <span>Total</span>
                      <span>{formatPrice(order.total)}</span>
                    </div>
                  </div>
                </div>
              </div>
            </div>
          </div>
        </div>
      )
    }

    Windsurf: Refactor | Explain | Generate JSDoc | ×
    function formatOrderStatus(status: string): string {
      return status.charAt(0).toUpperCase() + status.slice(1)
```

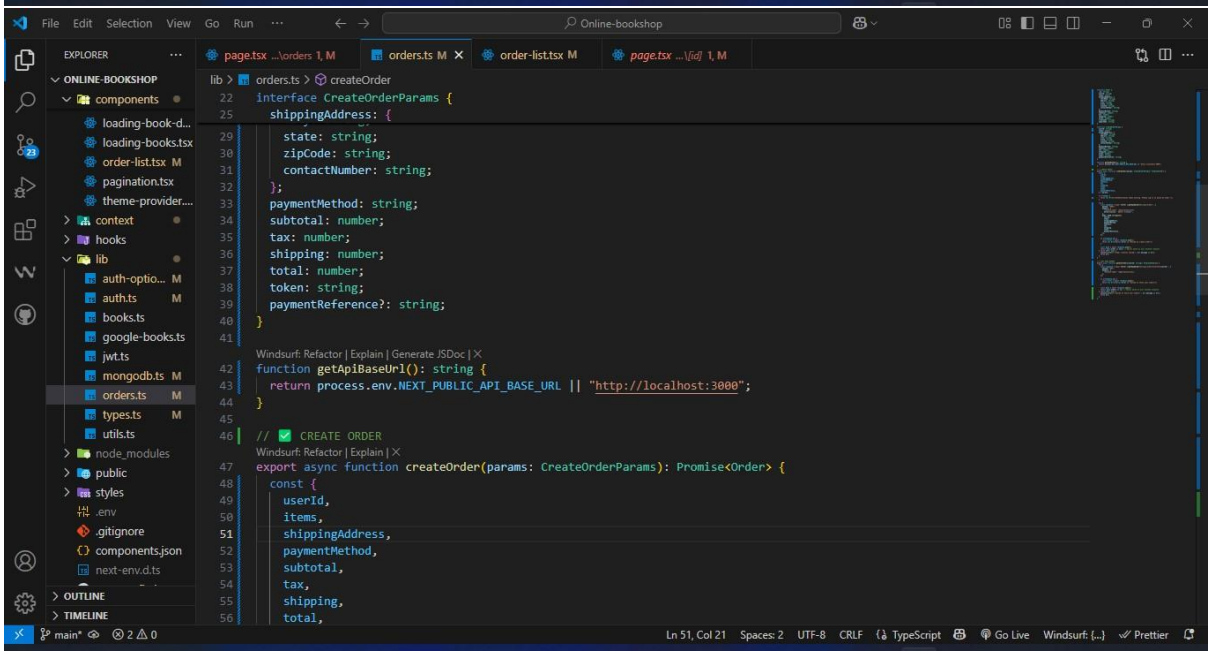


```
    }

    Windsurf: Refactor | Explain | Generate JSDoc | ×
    function getOrderStatusVariant(status: string): "default" | "secondary" | "destructive" | "outline" {
      switch (status.toLowerCase()) {
        case "pending":
          return "secondary"
        case "processing":
          return "default"
        case "shipped":
        case "delivered":
          return "outline"
        case "cancelled":
          return "destructive"
        default:
          return "default"
      }
    }

    Windsurf: Refactor | Explain | Generate JSDoc | ×
    function formatPaymentMethod(method: string): string {
      switch (method) {
        case "credit-card":
          return "Credit Card"
        case "paypal":
          return "PayPal"
        case "bank-transfer":
          return "Bank Transfer"
        default:
          return method
      }
    }
```

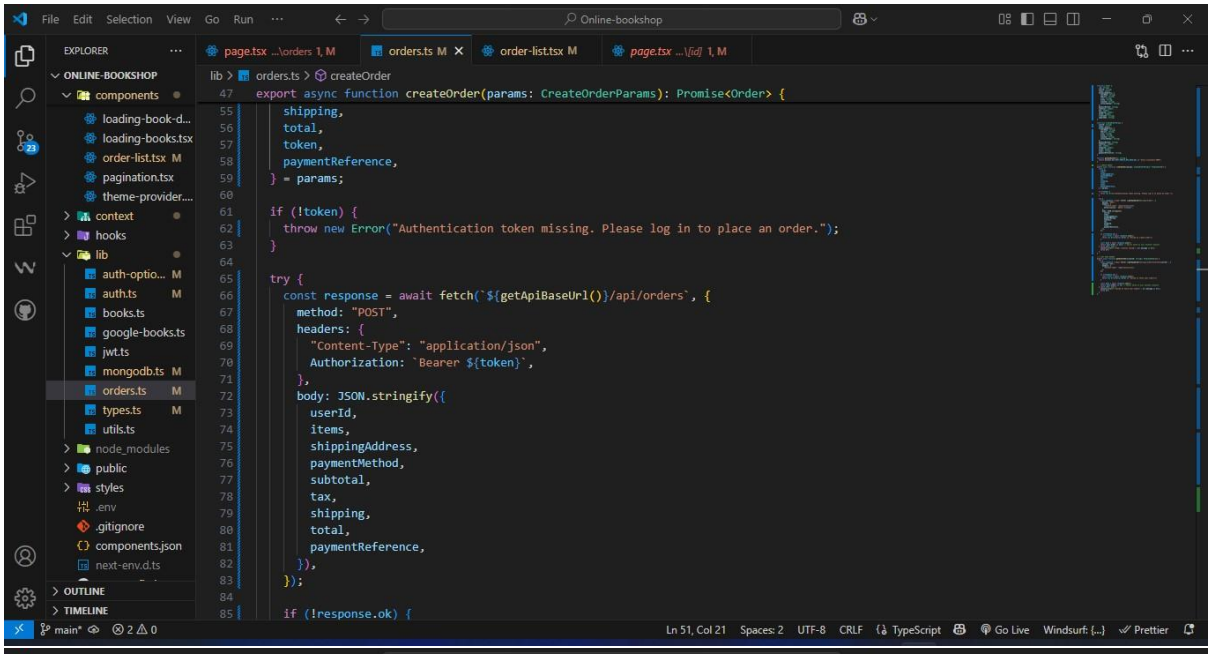
- Order processing code screenshots

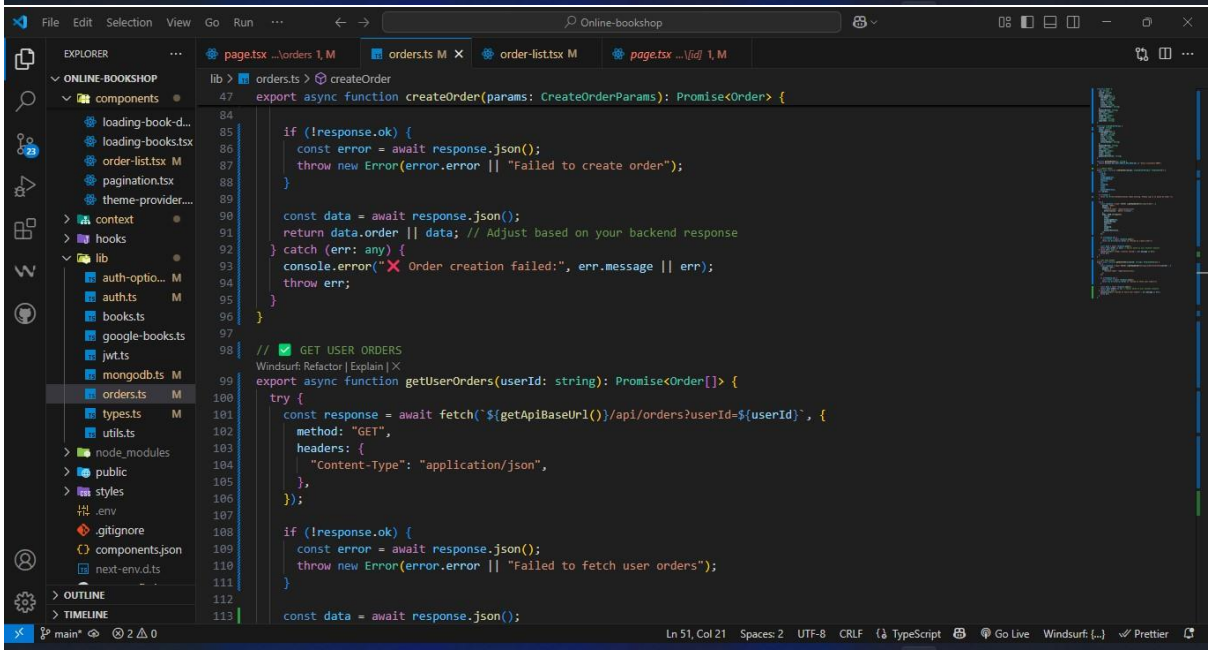


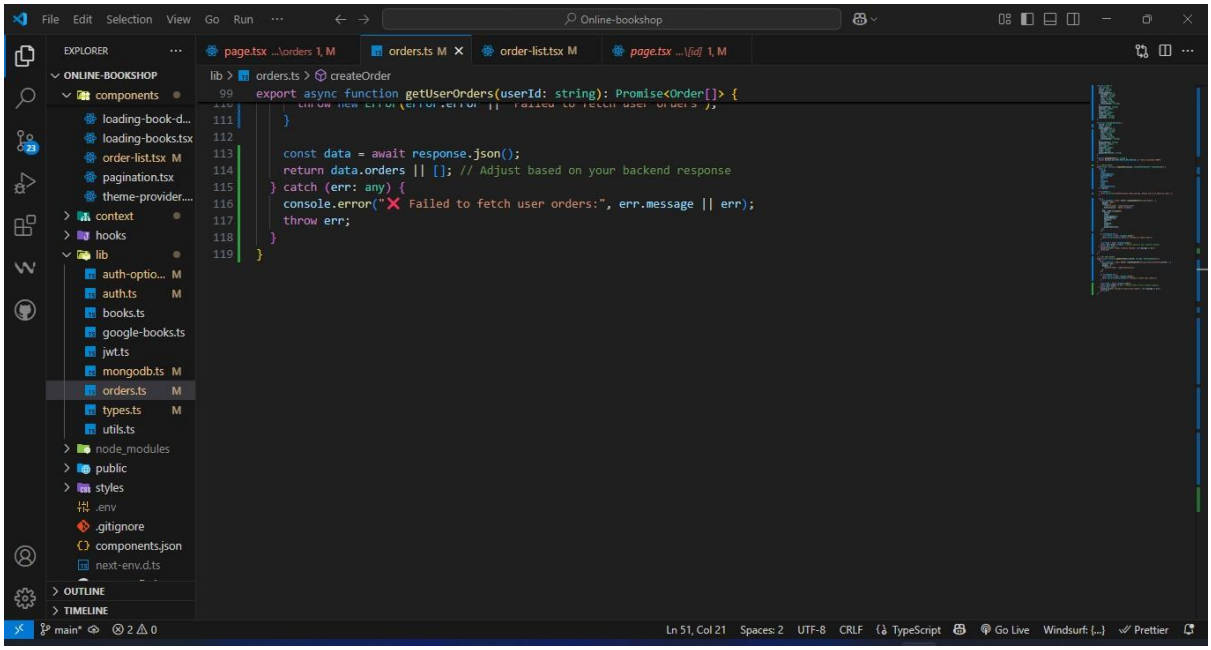
```
interface Order {
  _id: string;
  userId: string;
  items: any[];
  shippingAddress: {
    fullName: string;
    address: string;
    city: string;
    state: string;
    zipCode: string;
    contactNumber: string;
  };
  paymentMethod: string;
  subtotal: number;
  tax: number;
  shipping: number;
  total: number;
  createdAt: string;
  updatedAt: string;
}

interface CreateOrderParams {
  userId: string;
  items: any[];
  shippingAddress: {
    fullName: string;
    address: string;
    city: string;
    state: string;
    zipCode: string;
```



```
interface CreateOrderParams {
  shippingAddress: {
    state: string;
    zipCode: string;
    contactNumber: string;
  };
  paymentMethod: string;
  subtotal: number;
  tax: number;
  shipping: number;
  total: number;
  token: string;
  paymentReference?: string;
}

function getApiBaseUrl(): string {
  return process.env.NEXT_PUBLIC_API_BASE_URL || "http://localhost:3000";
}

// ✅ CREATE ORDER
export async function createOrder(params: CreateOrderParams): Promise<Order> {
  const {
    userId,
    items,
    shippingAddress,
    paymentMethod,
    subtotal,
    tax,
    shipping,
    total,
```

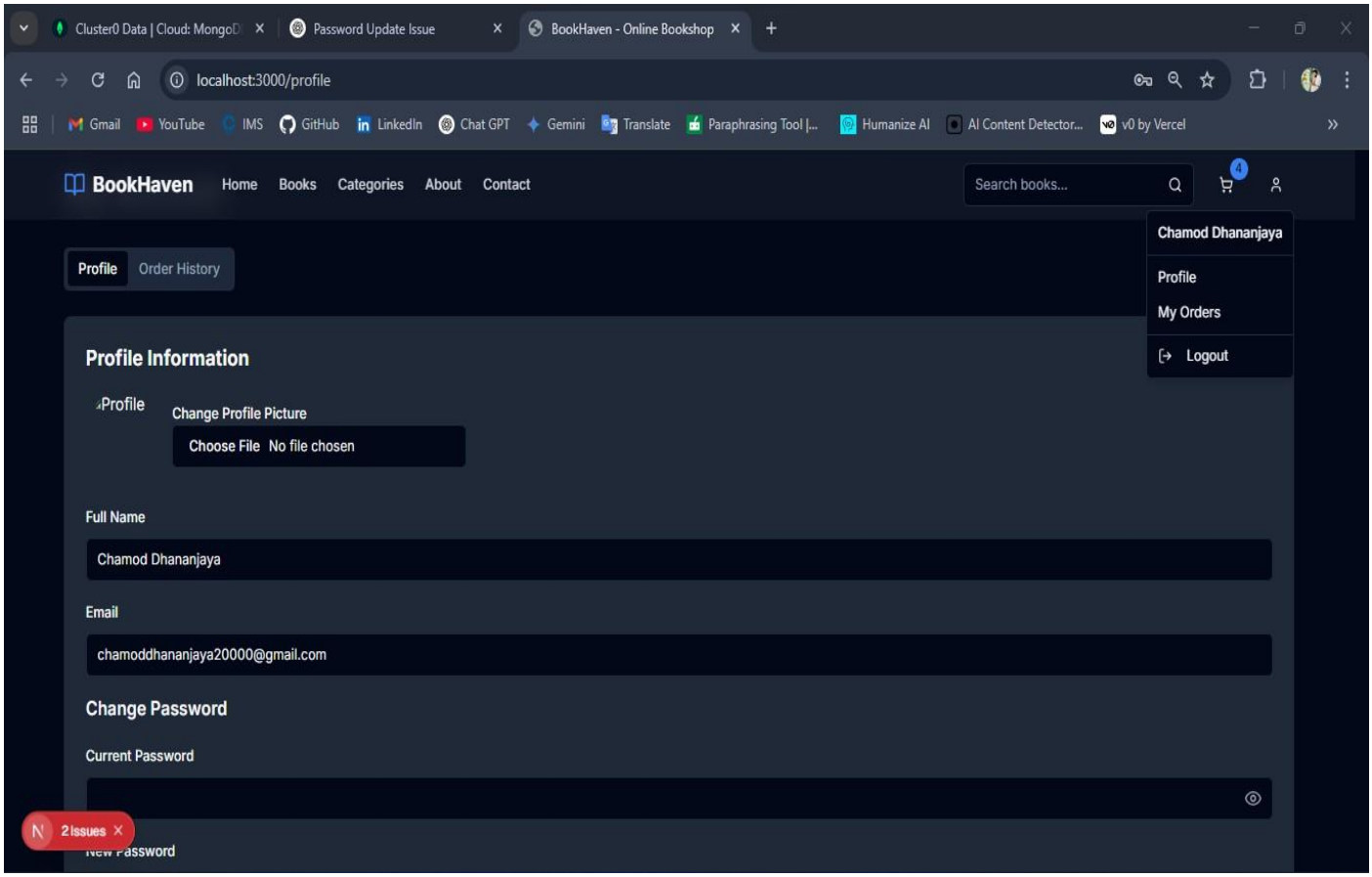

File Edit Selection View Go Run
Online-bookshop
EXPLORER
ONLINE-BOOKSHOP
page.tsx ...\orders 1, M
orders.ts M
order-list.tsx M
page.tsx ...\[id] 1, M
lib > orders.ts > createOrder
export async function createOrder(params: CreateOrderParams): Promise<Order> {
shipping,
total,
token,
paymentReference,
} = params;
if (!token) {
throw new Error("Authentication token missing. Please log in to place an order.");
}
try {
const response = await fetch(`${getApiBaseUrl()}/api/orders`, {
method: "POST",
headers: {
"Content-Type": "application/json",
Authorization: `Bearer ${token}`,
},
body: JSON.stringify({
userId,
items,
shippingAddress,
paymentMethod,
subtotal,
tax,
shipping,
total,
paymentReference,
}),
});
if (!response.ok) {
components
loading-book-d...
loading-books.tsx
order-list.tsx M
pagination.tsx
theme-provider....
context
hooks
lib
auth-optio... M
auth.ts M
books.ts
google-books.ts
jwt.ts
mongodb.ts M
orders.ts M
types.ts M
utils.ts
node_modules
public
styles
.env
.gitignore
components.json
next-env.d.ts
OUTLINE
TIMELINE
main*
Ln 51, Col 21 Spaces: 2 UTF-8 CRLF TypeScript Go Live Windsurf: {...} Prettier


File Edit Selection View Go Run
Online-bookshop
EXPLORER
ONLINE-BOOKSHOP
page.tsx ...\orders 1, M
orders.ts M
order-list.tsx M
page.tsx ...\[id] 1, M
lib > orders.ts > createOrder
export async function createOrder(params: CreateOrderParams): Promise<Order> {
if (!response.ok) {
const error = await response.json();
throw new Error(error.error || "Failed to create order");
}
const data = await response.json();
return data.order || data; // Adjust based on your backend response
} catch (err: any) {
console.error("❌ Order creation failed:", err.message || err);
throw err;
}
}
// ✅ GET USER ORDERS
Windsurf: Refactor | Explain |
export async function getUserOrders(userId: string): Promise<Order[]> {
try {
const response = await fetch(`${getApiBaseUrl()}/api/orders?userId=${userId}`, {
method: "GET",
headers: {
"Content-Type": "application/json",
},
});
if (!response.ok) {
const error = await response.json();
throw new Error(error.error || "Failed to fetch user orders");
}
const data = await response.json();
components
loading-book-d...
loading-books.tsx
order-list.tsx M
pagination.tsx
theme-provider....
context
hooks
lib
auth-optio... M
auth.ts M
books.ts
google-books.ts
jwt.ts
mongodb.ts M
orders.ts M
types.ts M
utils.ts
node_modules
public
styles
.env
.gitignore
components.json
next-env.d.ts
OUTLINE
TIMELINE
main*
Ln 51, Col 21 Spaces: 2 UTF-8 CRLF TypeScript Go Live Windsurf: {...} Prettier

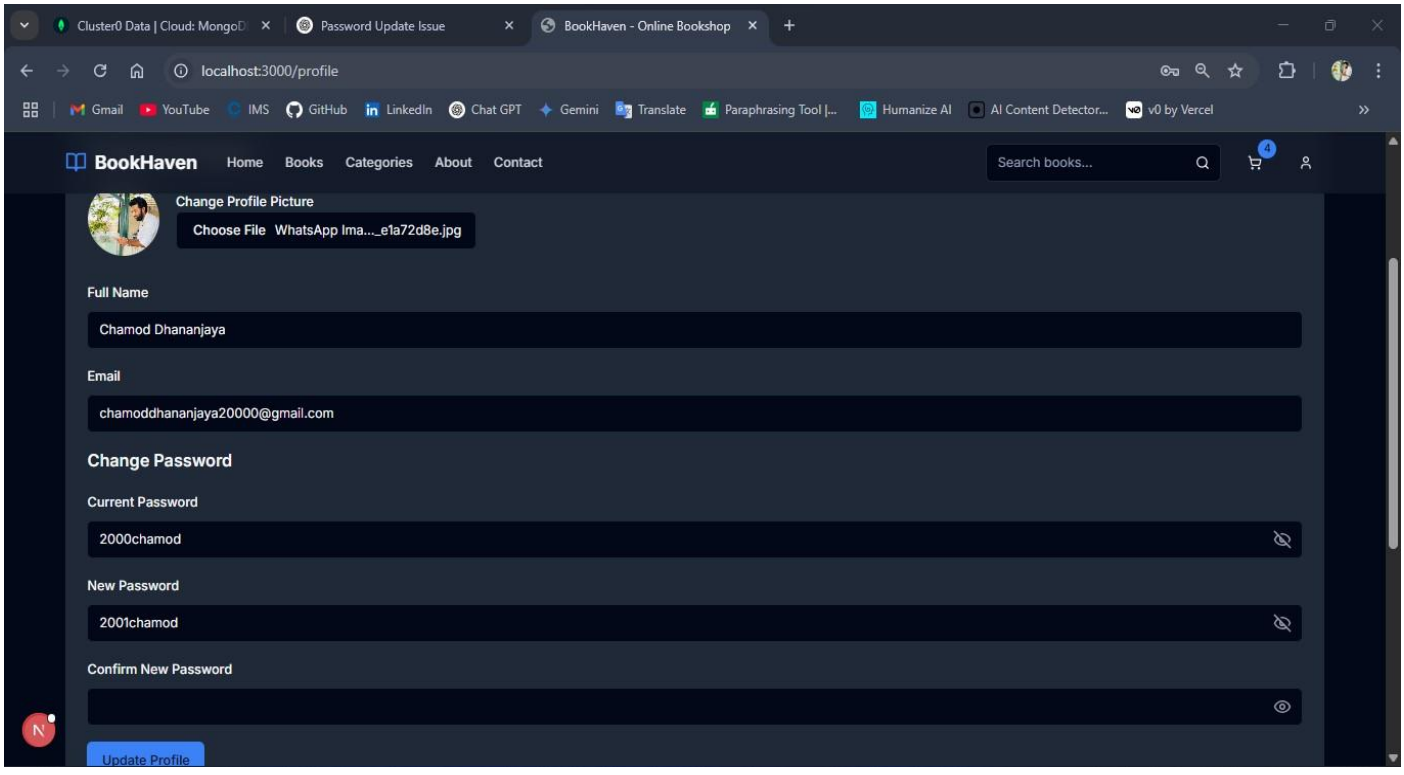

File Edit Selection View Go Run
Online-bookshop
EXPLORER
ONLINE-BOOKSHOP
components
loading-book-d...
loading-books.tsx
order-list.tsx M
pagination.tsx
theme-provider....
context
hooks
lib
auth-optio... M
auth.ts M
books.ts
google-books.ts
jwt.ts
mongodb.ts M
orders.ts M
types.ts M
utils.ts
node_modules
public
styles
.env
.gitignore
components.json
next-env.d.ts
OUTLINE
TIMELINE
page.tsx ...\orders 1, M
orders.ts M
order-list.tsx M
page.tsx ...\[id] 1, M
lib > orders.ts > createOrder
99 export async function getUserOrders(userId: string): Promise<Order[]> {
111 }
112
113 const data = await response.json();
114 return data.orders || []; // Adjust based on your backend response
115 } catch (err: any) {
116 console.error("❌ Failed to fetch user orders:", err.message || err);
117 throw err;
118 }
119 }
main* 2 0
Ln 51, Col 21 Spaces: 2 UTF-8 CRLF TypeScript Go Live Windsurf: {...} Prettier

1.5. User Profile

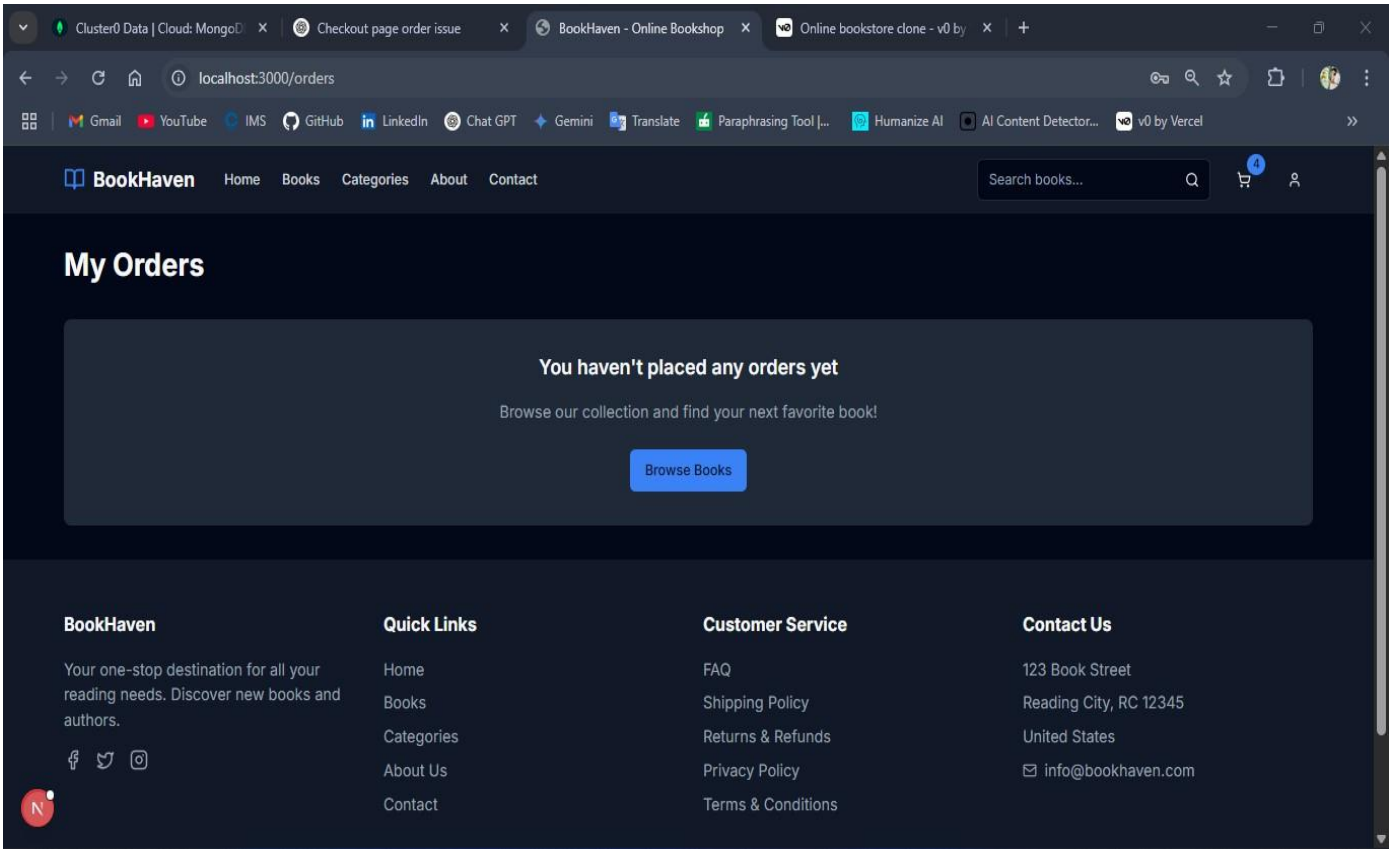
- Profile view screenshot



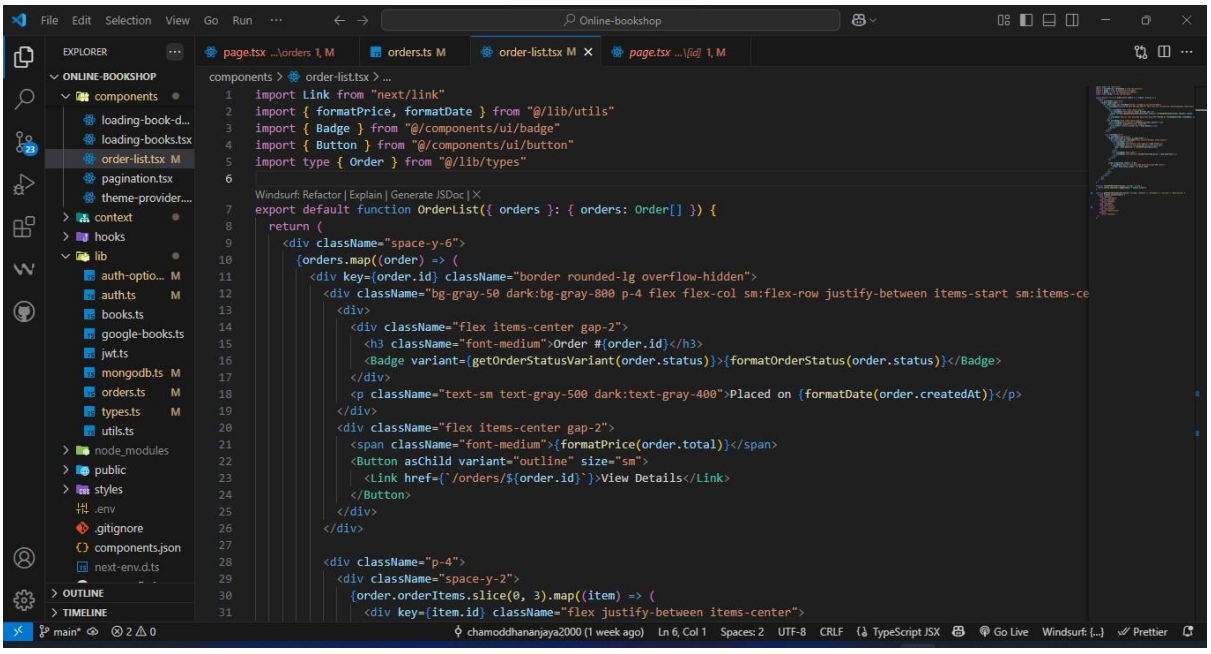
- Edit profile interface screenshot

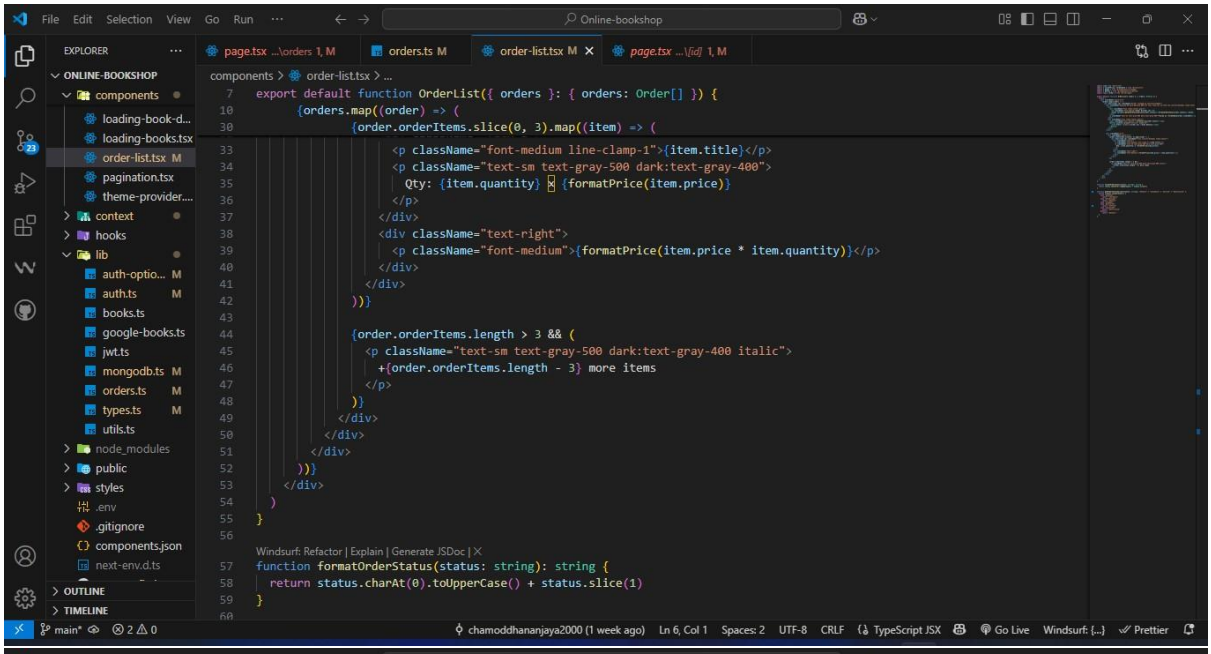


- Order history view screenshot

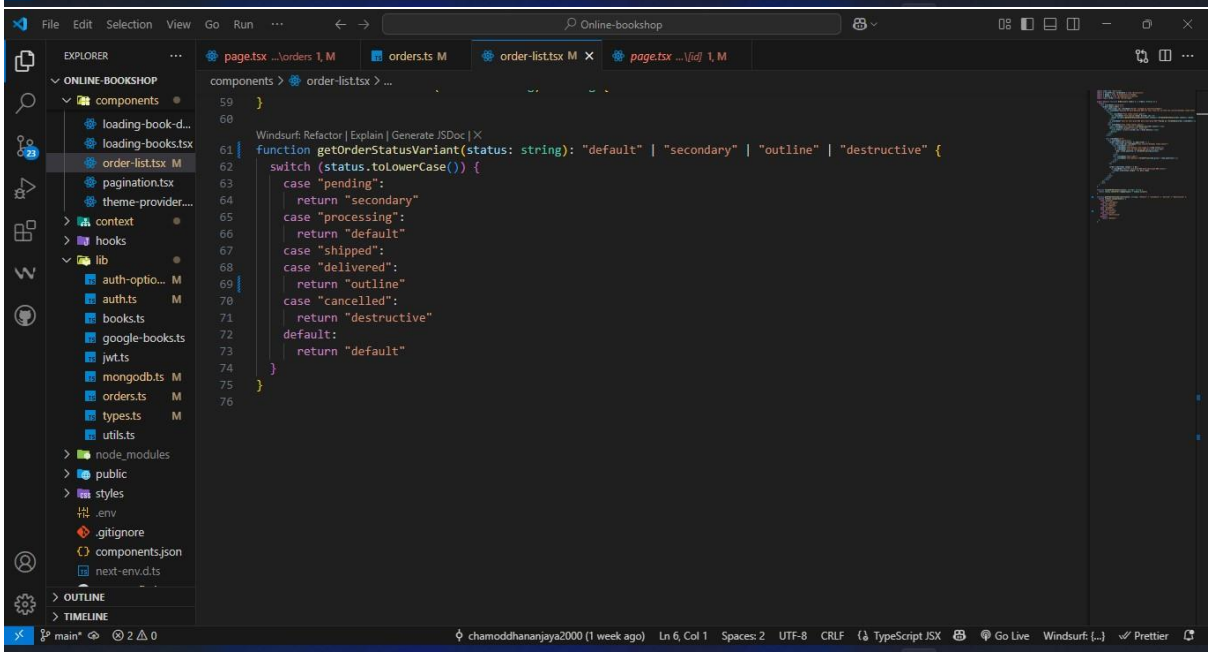


- Related implementation code screenshots





```
export default function OrderList({ orders }: { orders: Order[] }) {
      {orders.map((order) => (
              {order.orderItems.slice(0, 3).map((item) => (
                      <p className="font-medium line-clamp-1">{item.title}</p>
                      <p className="text-sm text-gray-500 dark:text-gray-400">
                        Qty: {item.quantity} x {formatPrice(item.price)}
                      </p>
                    </div>
                    <div className="text-right">
                      <p className="font-medium">{formatPrice(item.price * item.quantity)}</p>
                    </div>
                  </div>
                ))}

                {order.orderItems.length > 3 && (
                  <p className="text-sm text-gray-500 dark:text-gray-400 italic">
                    +{order.orderItems.length - 3} more items
                  </p>
                )}
              </div>
            </div>
          </div>
        ))}
      </div>
    )
}

Windsurf: Refactor | Explain | Generate JSDoc | X
function formatOrderStatus(status: string): string {
  return status.charAt(0).toUpperCase() + status.slice(1)
}
```



```
}

Windsurf: Refactor | Explain | Generate JSDoc | X
function getOrderStatusVariant(status: string): "default" | "secondary" | "outline" | "destructive" {
  switch (status.toLowerCase()) {
    case "pending":
      return "secondary"
    case "processing":
      return "default"
    case "shipped":
    case "delivered":
      return "outline"
    case "cancelled":
      return "destructive"
    default:
      return "default"
  }
}
```