

Hackathon Day 4

Day 4 – Dynamic Frontend Components Report for E-Commerce

1. Introduction

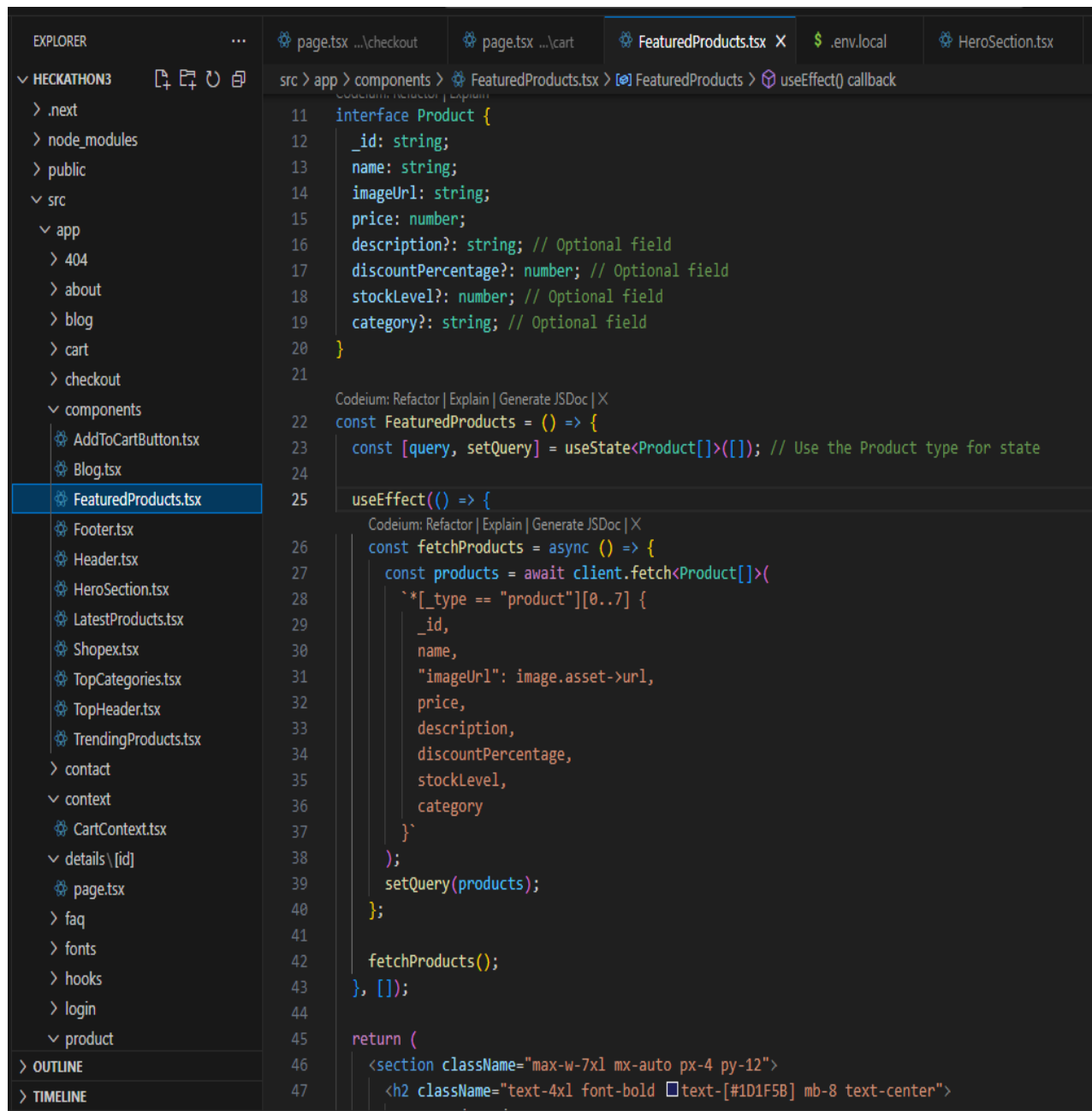
This report outlines the development of interactive and responsive frontend components for **E-Commerce**. The key focus areas include:

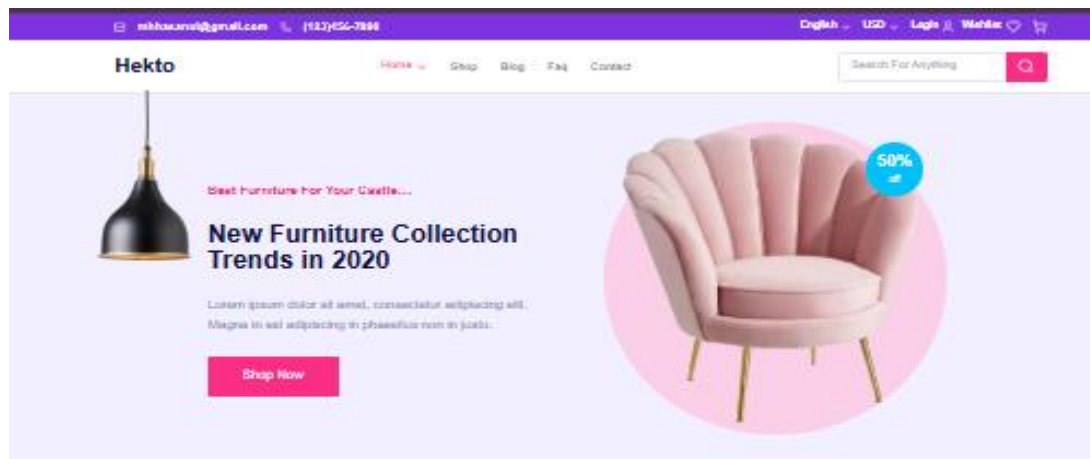
- ✔ **Dynamic product display**
- ✔ **Product cards component displayed on the home page**
- ✔ **Creating a structured product listing page**
- ✔ **Designing a detailed product view page**
- ✔ **Developing a functional shopping cart for order management**
- ✔ **Order placement on the checkout page will send data to Sanity**

2. Tasks Overview

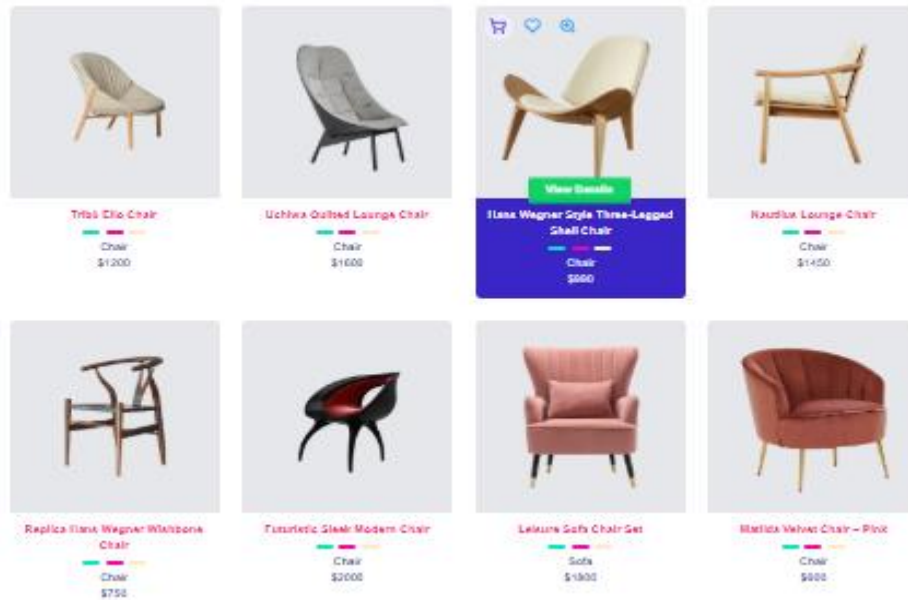
Step 1: Product Component

- Retrieved product data dynamically from the API.
- Fetched product data in a grid layout within a dedicated component on the home page, displaying names and prices.



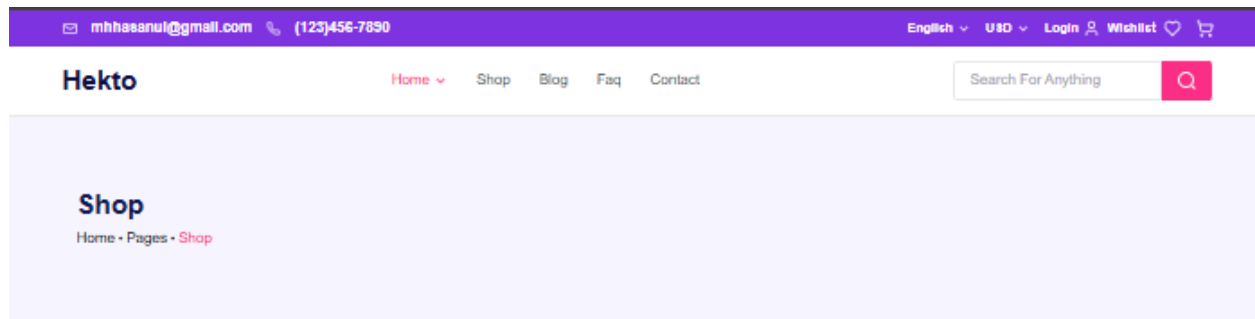


Featured Products



Step 3: Product Listing

- Retrieved product data dynamically from the API.
- Showcased products in a flexible grid layout, including names and prices.



Ecommerce Accessories & Fashion Items

About 9,620 results (0.62 seconds)

Per Page:

Sort By: **Best Match** ▼

View: ☐ ☒ ☐



Tribù Elio Chair
● ● ●
\$1200



Uchiwa Quilted Lounge Chair
● ● ●
\$1800



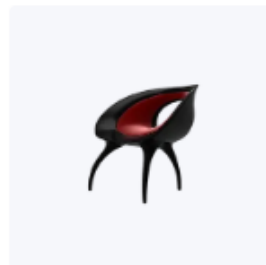
Hans Wegner Style Three-Legged Shell Chair
● ● ●
\$990



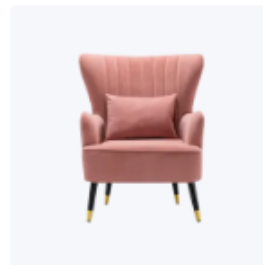
Nautilus Lounge Chair
● ● ●
\$1450



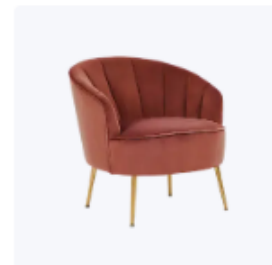
Replica Hans Wegner Wishbone Chair
● ● ●
€740



Futuristic Sleek Modern Chair
● ● ●
\$2000



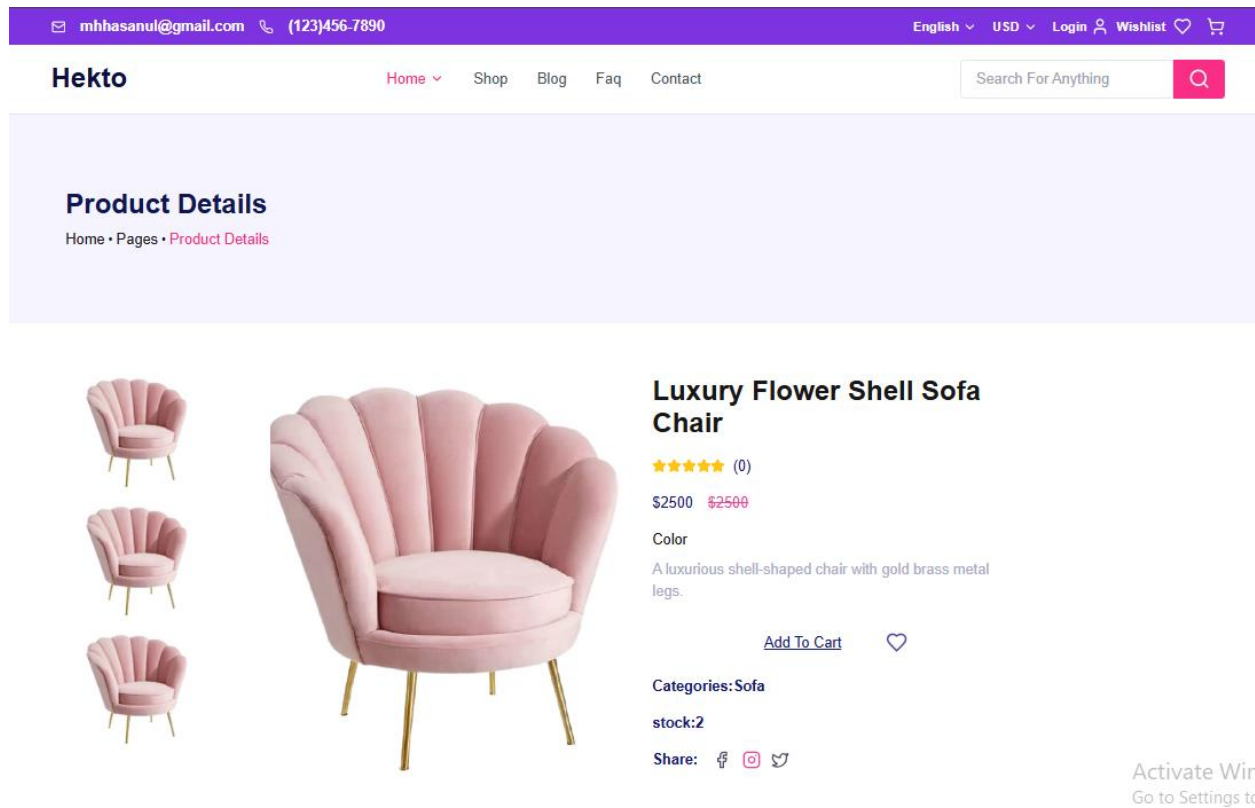
Leisure Sofa Chair Set
● ● ●
\$1800



Matilda Velvet Chair – Pink
● ● ●
\$600

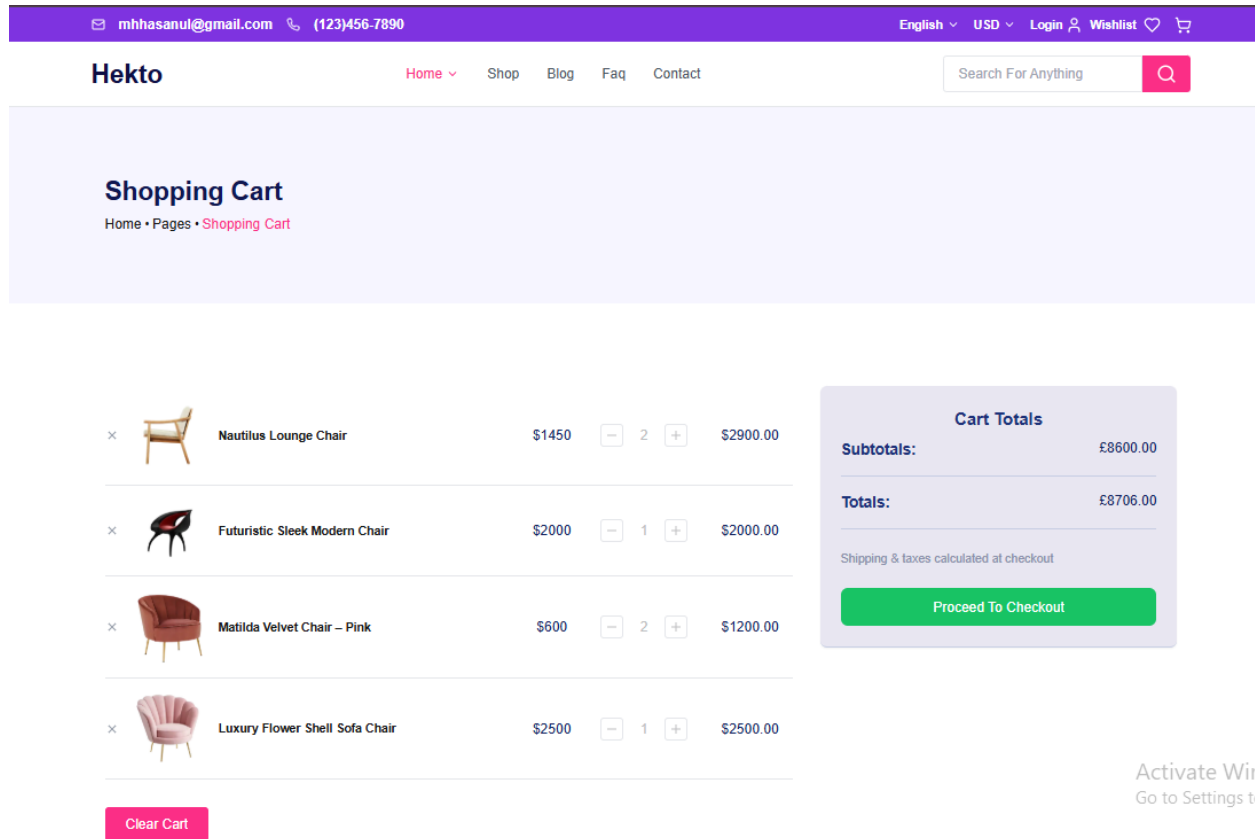
Step 4: Product Detail Page

- Developed a dynamic product detail page with individual routing.
- Included an "Add to Cart" button for seamless shopping. When the 'Add to Cart' button is clicked, the items are successfully added to the shopping cart!



Step 5: Shopping Cart Functionality

- Allowed users to add and remove products from the cart.
- Implemented real-time cart updates and a checkout option.



Step 6: Successful Checkout

- Clicking the checkout button navigates the user to the checkout page.
- Users can proceed by entering their checkout details.

Hekto Checkout

Home / Cart / Shop

Contact Information

Already have an account? Login

Email or Mobile Phone number

☒ Keep me up to date on news and exclusive offers


Shipping Address


First nameLast name


Address


CityCountryPostal Code

Place Order

Nautilus Lounge Chair
Quantity: 2

Futuristic Sleek Modern Chair
Quantity: 1

Matilda Velvet Chair – Pink
Quantity: 2

Luxury Flower Shell Sofa Chair
Quantity: 1

Subtotal:\$8600.00

Shipping:\$106.00

Total\$8706.00

Activate Windows
Go to Settings to activate Windows.

Order placement on the checkout page will send data to **Sanity**

Hekto Checkout

Home / Cart / Shop

Contact Information

Already have an account? Login

ali@gmail.com

☒ Keep me up to date on news and exclusive offers


Shipping Address


Ali


F.b Area


KaeachiPakistan034455

Place Order

Nautilus Lounge Chair
Quantity: 2

Futuristic Sleek Modern Chair
Quantity: 1

Matilda Velvet Chair – Pink
Quantity: 2

Luxury Flower Shell Sofa Chair
Quantity: 1

Subtotal:\$8600.00

Shipping:\$106.00

Total\$8706.00

Activate Windows
Go to Settings to activate Windows.

Order Placed Successfully!

Your order has been placed successfully.

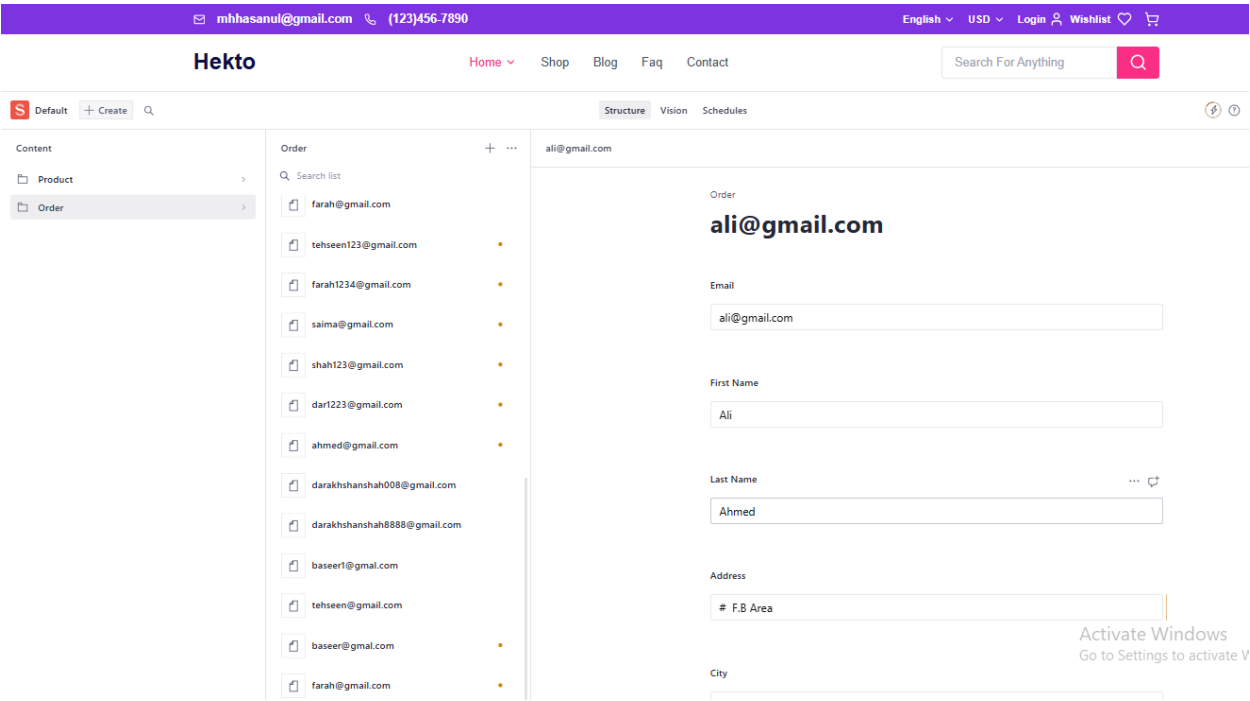
OK

Save address?

 Ali Ahmed
F.b Area
Kaeachi-034455
Pakistan
 ali@gmail.com

Save

No, thanks



Here is a structured **Self-Validation Checklist** in a table format, based on your report. This will provide a clear framework for validation and ensure all tasks are completed efficiently.

Self-Validation Checklist for Frontend Development

Frontend Component Development ✓ ✗

- ✓ Dynamic product listing
- ✓ Product detail page functionality
- ✗ Category filter component
- ✗ Search bar functionality

✓ Cart functionality (add/remove items)

✓ Checkout functionality

✗ Login/SignUp Page

Styling and Responsiveness ✓ ✗

✓ Responsive grid layout for product listings

✓ Consistent UI design across all pages

✓ Mobile responsiveness

Code Quality ✓ ✗

✓ Modular and reusable components

✓ Clean and organized code structure

✓ Proper use of state management and data binding

✓ Optimization for performance and loading speed

Documentation and Submission ✓ ✗

✓ Steps for setting up and running the application

✓ Code comments and explanations

✗ Submission before the deadline

Final Review ✓ ✗

- ✓ All functionality tested (products, cart, checkout)
- ✓ UI/UX reviewed for user-friendliness
- ✓ No bugs/issues identified in the development

Professional Practices Emphasized ✓ ✗

- ✓ Modular and reusable component design
- ✓ State management and dynamic data binding
- ✓ Responsive and user-friendly UI design
- ✓ Thorough documentation for code and processes

Conclusion

The interactive frontend components were successfully developed, improving the user experience with responsive designs and dynamic cart features. Attached screenshots confirm the completed implementation.