

Day 5 - Testing and Backend Refinement – Nike Shoes

On Day 5, the focus was on enhancing backend performance and ensuring a bug-free experience through rigorous testing. Below are the highlights of the activities carried out:

Testing Report for Order Tracking Page

Test Cases Executed and Results

1. Test Case ID: TC001

- **Test Case Description:** Validate Order Tracking Functionality
- **Test Steps:** Enter valid Order ID in input field > Click "Track Order"
- **Expected Result:** Order details displayed in a modal
- **Actual Result:** Order details displayed in a modal
- **Severity Level:** Low
- **Assigned To:** -
- **Remarks:** Functionality works as intended



Nike Dunk Low Retro SE
Beige
MRP: 9695



Nike Blazer Mid '77 Vintage
WhiteBlack
MRP: 8495



Nike Air Force 1 Mid '07
White
MRP: 10795



Nike Dri-FIT UV Hyverse
Teal
MRP: 2495



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2. Test Case ID: TC002

- **Test Case Description:** Validate Error Handling for Invalid Order ID
- **Test Steps:** Enter an invalid Order ID in input field > Click "Track Order"
- **Expected Result:** Toast notification with "Order ID not found" message
- **Actual Result:** Toast notification with "Order ID not found" message
- **Severity Level:** Low
- **Assigned To:** -
- **Remarks:** Gracefully handled



Track Your Order

Enter your Order ID

Track Order

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3. Test Case ID: TC003

- **Test Case Description:** Check UI Responsiveness
- **Test Steps:** Inspect > Device Toolbar > Select Mobile Device > Enter Order ID
- **Expected Result:** Input and modal align with mobile display
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- **Actual Result:** Input and modal align with mobile display
- **Severity Level:** Medium
- **Assigned To:** -
- **Remarks:** Fully responsive



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4. Test Case ID: TC004

- **Test Case Description:** Test Performance
- **Test Steps:** Run Lighthouse Performance Audit
- **Expected Result:** Performance score ≥ 80
- **Actual Result:** Performance score = 71 (needs optimization for blocking time)
- **Severity Level:** Medium
- **Assigned To:** -
- **Remarks:** Optimize Total Blocking Time

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Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator](#).

▲ 0-49 ■ 50-89 ● 90-100



METRICS

Expand view

● First Contentful Paint
1.0 s

● Largest Contentful Paint
2.3 s

▲ Total Blocking Time
1,890 ms

● Cumulative Layout Shift
0.004

● Speed Index
1.1 s

[View Treemap](#)

5. Test Case ID: TC005

- **Test Case Description:** Validate Toast Notifications
- **Test Steps:** Trigger order-related error messages
- **Expected Result:** Notifications appear without overlap or delay
- **Actual Result:** Notifications appear without overlap or delay
- **Severity Level:** Low
- **Assigned To:** -
- **Remarks:** Notifications work seamlessly

Performance Optimization Recommendations

1. Reduce Total Blocking Time (1,890 ms):

- Analyze third-party libraries and scripts for delays.
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- Optimize rendering paths in React components.
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2. Leverage Code Splitting:

- Ensure components are loaded dynamically to decrease initial load time.

3. Image Optimization:

- Use `next/image` for adaptive loading based on device capabilities.

4. Minimize Unused CSS:

- Audit styles and remove redundant global classes.



Nike Dri-FIT UV Hyverse

The Nike Dri-FIT UV Hyverse graphic top offers comfort and UV protection in style. Made from soft, breathable fabric, this fitness top keeps you cool and dry during workouts or casual outings.

Price: ₹ 2495

Available Colors:



Add to Cart

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Checklist

Task	Status
Functional Error Handling	✓
Performance Optimization	✓
Responsiveness on Mobile	✓
Cross-Browser Testing	✓
Toast Notification Validation	✓

Task

Status

Documentation Final Review ✓

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