DAY 6

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TIMING: SAT 9-12 AM

Steps for Day 6:

Step 1: Hosting Platform Setup

1. Choose a Platform:

- Use platforms like Vercel or Netlify for quick deployment. ✓
- For advanced configurations, consider AWS or Azure.

2. Connect Repository:

- Link your GitHub repository to the hosting platform.
- Configure build settings and add necessary scripts for deployment.

Step 2: Configure Environment Variables

1. Create a .env File: ✓

- Include sensitive variables like API keys and tokens.
- NEXT_PUBLIC_SANITY_PROJECT_ID=your_project_id
- NEXT_PUBLIC_SANITY_DATASET=production
- API_KEY=your_api_key

2. Upload Variables to Hosting Platform:

- Use the hosting platform's dashboard to securely add environment variables.

Step 3: Deploy to Staging

1. Deploy Application:

- Deploy the application to a staging environment through the hosting platform. ✓

2. Validate Deployment:

- Ensure the build process completes without errors.
- Verify basic functionality in the staging environment.

Step 4: Staging Environment Testing

1. Testing Types:

- Functional Testing: Verify all features, such as product listing, search, and cart operations.
- Performance Testing: Use Lighthouse or GTmetrix to analyze speed and responsiveness.
- Security Testing: Validate input fields, HTTPS usage, and secure API communications.

2. Test Case Reporting:

- Document all test cases in a CSV file with fields like Test Case ID,
- Description, Steps, Expected Result, Actual Result, Status, and Remarks.

For example:

Test Case ID	Description	Steps	Expected Result	Actual Result	Status	Remarks
TC001	Validate product listing	Open product page > Verify products	Products displayed	Products displayed	Passed	No issues found
TC002	Test API error handling	Disconnect API > Refresh page	Show fallback message	Fallback message shown	Passed	Handled gracefully
TC003	Check cart functionality	Add item to cart > Verify cart	Cart updates correctly	Cart updates correctly	Passed	Works as expected

TC004	Test responsiveness layout	Resize browser window > Check layout	Layout adjusts properly	Layout adjusts properly	Passed	Responsive verified

3. Performance Testing:

- Submit a performance report generated by tools like Lighthouse in your GitHub repository.

Step 5: Documentation Updates

1. Create README.md:

- Summarize all project activities, including deployment steps and test case results.

2. Organize Project Files:

- Ensure all files from Days 1 to 6 are in a structured folder hierarchic

<u>Checklist for Day 6:</u>

- Deployment Preparation:

  ✓

- Staging Environment Testing:

  ✓ ✗

- Documentation:

  ✓ ✗

- Form Submission:

  ✓ ✗

- Final Review:

  ✓ ✗