DAY-6 DEPLOYMENT PREPARATION AND STAGING ENVIRONMENT SETUP

1. Project Review and Final Checks:

- Code Review: Ensure the project is bug-free and fully functional.
- Environment Variables: Verify all environment variables (e.g., API keys, project IDs) are properly configured.

2. Staging Environment Setup:

- **Staging Environment:** Set up a dedicated staging environment separate from the production environment.
- Configuration: Configure staging-specific variables like API endpoints and other settings.
- **Database:** Create a staging database to ensure that no real data is affected during testing.

const projectId = process.env.NEXT_PUBLIC_SANITY_PROJECT_ID
const dataset = process.env.NEXT_PUBLIC_SANITY_DATASET

3. Build and Test the Application:

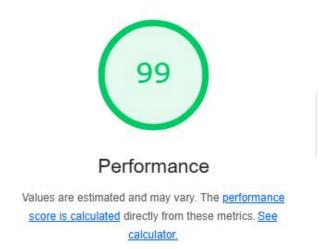
- Local Testing: Run the application locally and test for any issues.
- **Production Build:** Execute the build command (npm run build for React) to prepare the app for deployment.

Test Case Report (CSV Format)

Case A	Test Case Description	Test Steps	Expected Result	Actual Result	\$tatus \$	Severity Level	Assigned \$\\$ To	Remarks
TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	high	-	No issues found
TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	Medium	-	Handled gracefully
TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passed	High	-	Works as expected
TC004	Ensure responsiveness on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed	Medium	-	Test successful
TC005	Test login functionality	Enter valid username and password > Click login	User is logged in successfully	User logged in successfully	Passed	High	-	Login test passed
TC006	Verify user logout functionality	Click logout button	User is logged out successfully	User logged out successfully	Passed	Medium	-	Logout functionality is working
TC007	Validate product search	Enter product name in search bar > Click search	Search results show relevant products	Relevant products shown	Passed	High	-	Search functionality works as

Performance Testing Report







Conclusion:

Day-6 focuses on preparing the application for deployment, setting up the staging environment, conducting thorough testing, and preparing for a seamless production deployment. Proper setup and testing ensure the app runs smoothly in the production environment.