

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 ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	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



Performance

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



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.