HACKATHON DAY SIX

Presented By : FARIA MUSTAQEEM

OVERVIEW

- DEPLOYMENT
- Introduction
- Problem
- ERROR HANDELING
- Implementation
- Result
- Conclusion
- Recommendation

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DEPLOYMENT

- Prepare code, dependencies, and configurations.
- Test in staging or production-like environments.
- Release to production with version control and rollback plans.

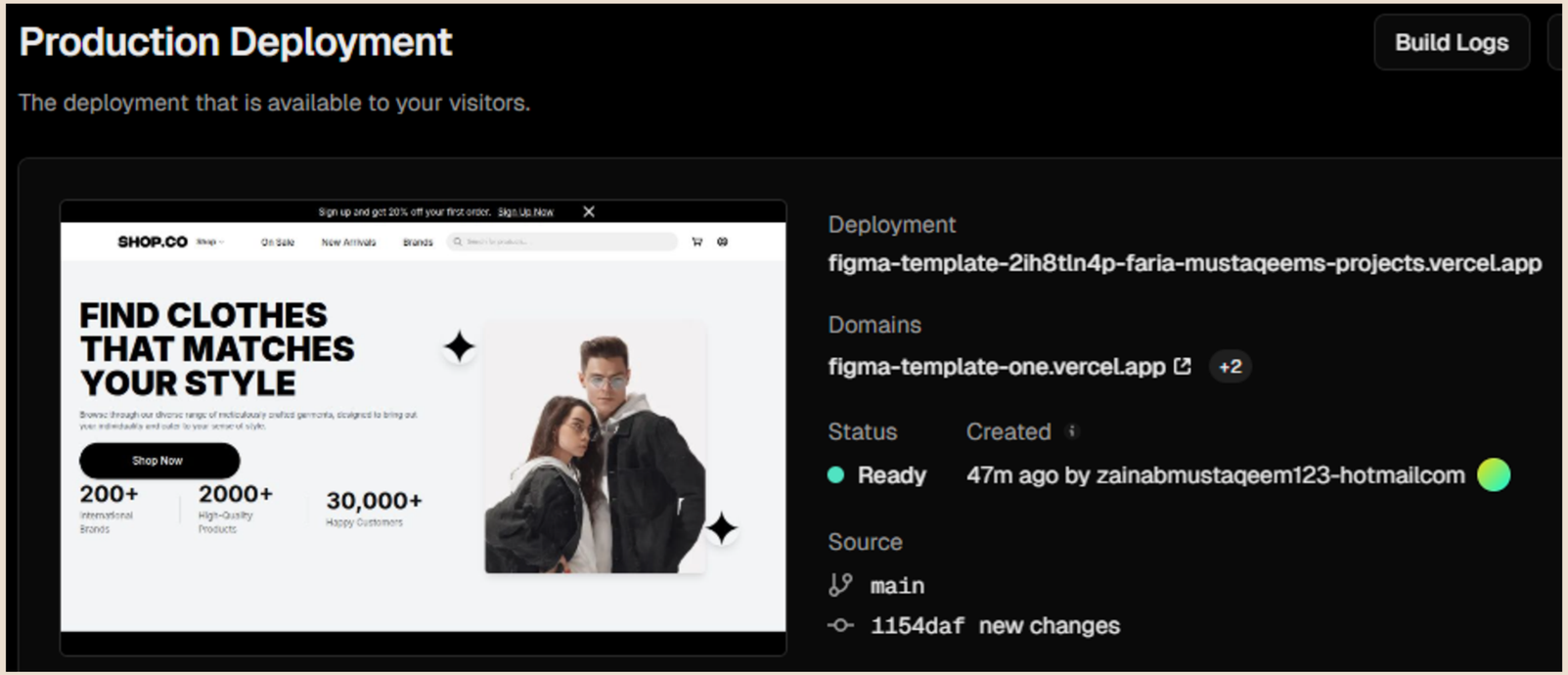
ERROR HANDLING

- Use console.log or console.error for tracking errors.
- Surround critical code with try-catch blocks.
- Check and validate user inputs before processing.
- Save error logs in a file for manual review.

RESOLVING ISSUES

- Debug with detailed error logs and stack traces.
- Check server and dependency configurations.
- Test fixes locally before redeploying.

DEPLOYMENT



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ERROR HANDELING

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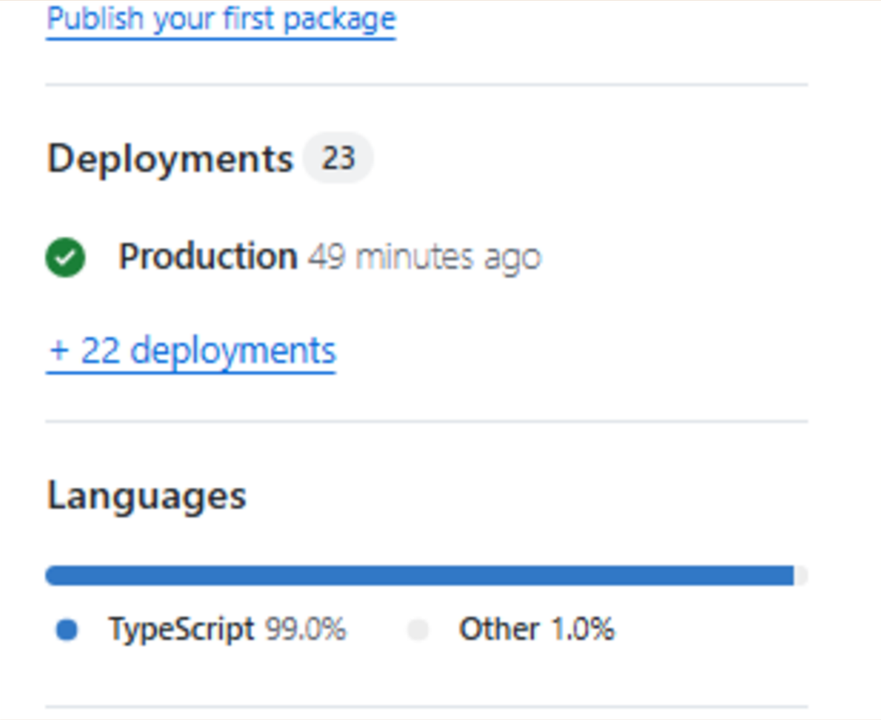
RESOLVING



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PROBLEMS CAUSED BY DEPLOYMENT

Deployment can introduce various issues that impact the functionality of an application. Here are some common problems and their causes, particularly in setups using headless CMSs like Sanity:

First Problem

Incorrect or missing API configurations during deployment.

Second Problem

Environment variables (e.g., API keys, tokens) not set properly in the production environment.

API RESPONSE

GET https://template1-neon-nu.vercel.app/api/products Send

Query Headers 2 Auth Body Tests Pre Run

Query Parameters

parameter value

Status: 200 OK Size: 14.46 KB Time: 613 ms

Response Headers 13 Cookies Results Docs { }


```
[
  {
    "name": "Casual Green Bomber Jacket",
    "imageUrl": "https://cdn.sanity.io/images/7xt4qcah
        /production/4e2ed6a9eaa6e1413843e53f3113ccfd2104c301
        -278x296.png",
    "category": "hoodie",
    "isNew": true,
    "sizes": [
      "S",
      "XXL",
      "XL",
      "L"
    ],
    "_id": "0dc7c847-8599-45d0-b02c-34429f7a639e",
    "description": "This stylish green bomber jacket offers a
        sleek and modern twist on a classic design. Made from
        soft and comfortable fabric, it features snap buttons
        and ribbed cuffs, giving it a sporty yet refined look
        . The minimalist style makes it perfect for layering
        over casual t-shirts or hoodies. Whether you're out
        with friends or just lounging, this jacket provides a
```


Response Chart

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TEST REPORT OF MARKETPLACE

TEST REPORT OF MY MARKETPLACE

TEST ID	TEST CASE DESCRIPTION	TEST STEPS	Expected Result	Actual Result	Status	Severity	Remarks
TC001	Test navigation bar links	Click each link in the navigation bar >Verify page loads	Correct Rendering	All links working correctly	Passed	Medium	Navigation verified
TC002	Test valid login	Enter valid credentials > click Login	User logged in	Not Login successful	Failed	No	Not Verified
TC003	Test product listing	Fetch all products from Sanity API	Products displayed correctly	Verified successfully	Passed	High	No issues found
TC004	Test dynamic product detail	Click on a product > Verify details	Correct product details shown	Details loaded correctly	Medium	Medium	Works as expected
TC005	Test search functionality	Enter query > check results	Relevant results shown	Search working not working	Failed	No	Not Verified
TC006	Test cart functionality	Add/remove items >verify cart updates	Cart updates correctly	Works as expected	Passed	High	Cart Verified
TC007	Test cart functionality	image not showing	Cart not upated	no imgs showing	Failed	No	Not verified
TC008	Test pagination	Navigate through pages of products	Correct products load per page	Pagination works	Passed	High	Pagination Verified
TC009	Test checkout functionality	Go to checkout > Fill details > Place order	Order placed successfully	Checkout process smooth	Passed	High	Checkout Verified
TC010	Fetching Data with query	Execute GROQ query to fetch data from source	Data fetched correctly	Data fetched successfully	Passed	High	Query Verified
TC011	Test sanity output	Run GROQ query to fetch data	Correct data returned	Data matches expectations	Passed	High	Sanity Output Verified
TC012	Test responsiveness	Resize browser >check layout	Layout adjusts correctly	Works as expected	Passed	High	Responsive Verified

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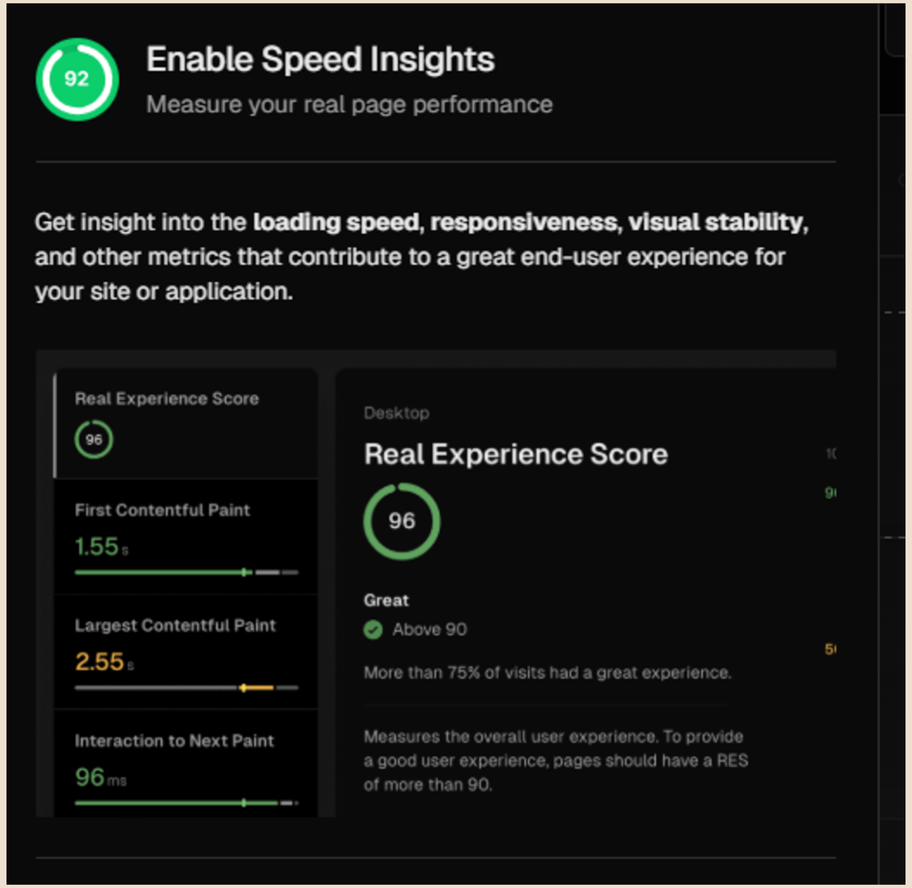
PERFORMANCE



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CONFIGURE ENVIRONMENT VARIABLES

In .env.local file:

```
NEXT_PUBLIC_SANITY_PROJECT_ID=your_project_id
NEXT_PUBLIC_SANITY_DATASET=production
API_KEY=your_api_key
```

CONFIGURE ENVIRONMENT VARIABLES IN VERCEL

GO TO YOUR PROJECT>SETTINGS>ENVIRONMENT VARIABLES

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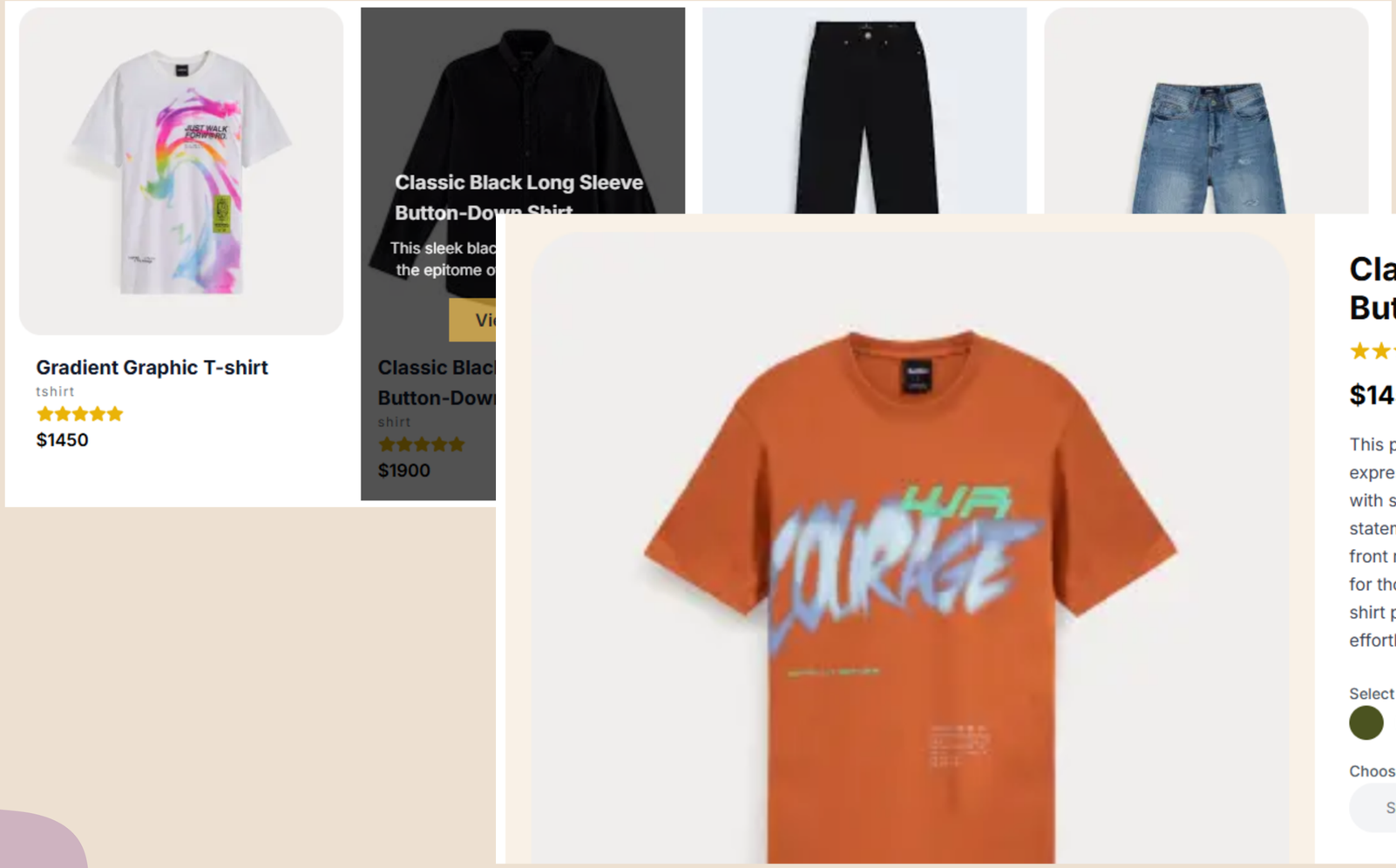
FUNCTIONAL TESTING



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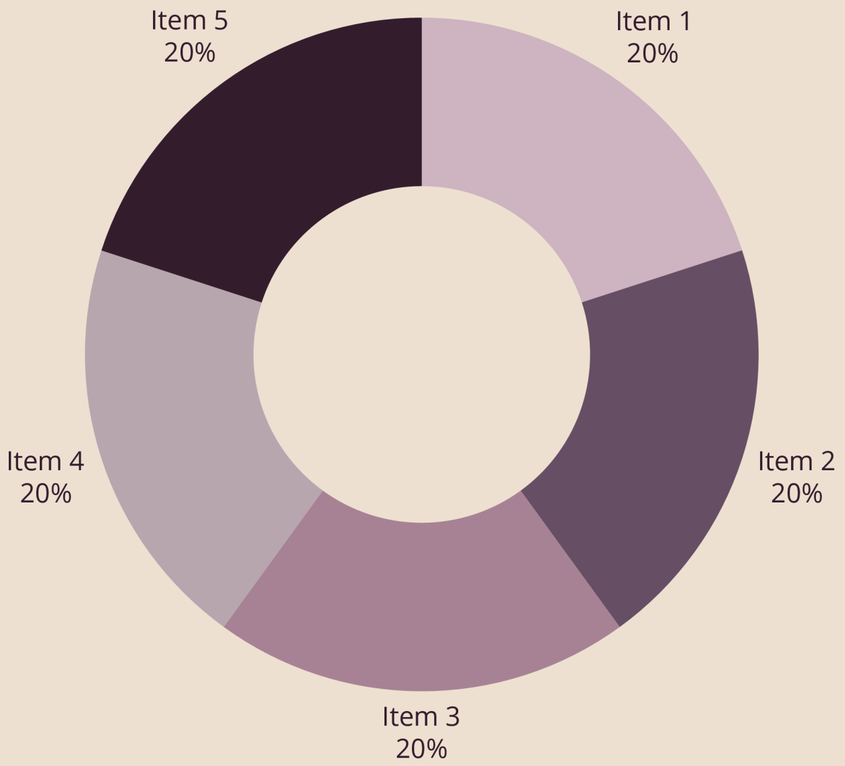
RESULT

Successful Deployment After all these errors:

Deployment Complete: Vercel will notify you that your deployment is successful. You'll receive a URL to your live application.

Preview URL: If you used a preview deployment, you'll get a unique URL for that specific version.



CONCLUSION

After deploying your project on Vercel, a successful deployment results in your application being live and accessible via a provided URL. The process involves:

Deployment Verification
Error Checking
Testing
Performance Monitoring
Continuous Updates

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JAZAK ALLAH KHAIR

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