DAY 7 - LIVE DEPLOYMENT
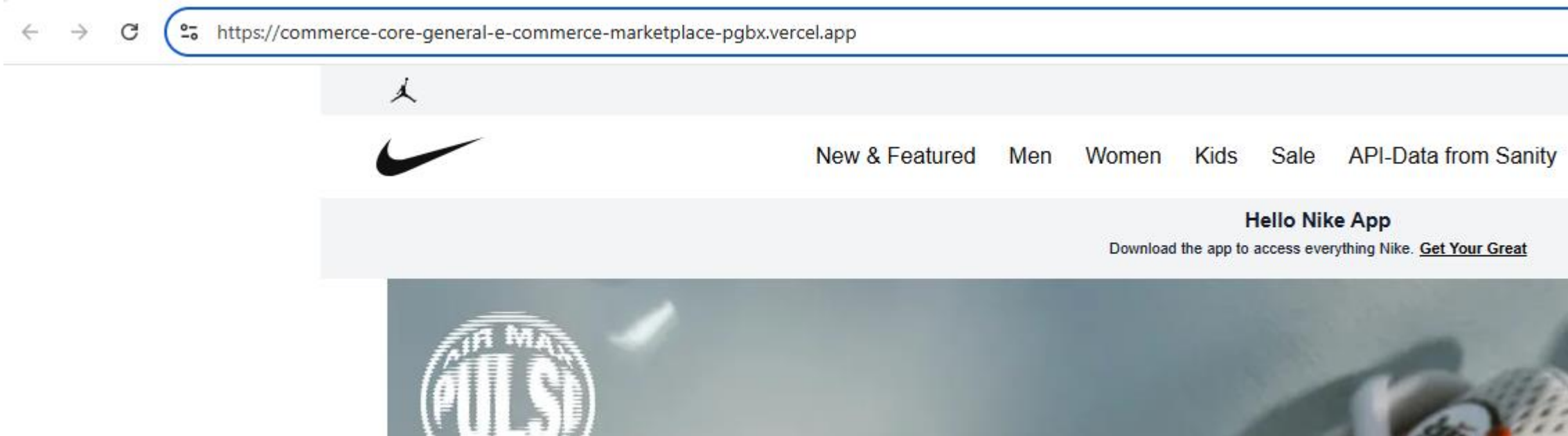# AND POST-LAUNCH
PRACTICES

Objective:

Day 7 is the final step of the hackathon, where students will deploy their marketplace to a live production environment, consolidating all the work completed in the previous days to create a fully functional and customer-ready platform. This stage focuses on following industry-standard best practices for deployment, ensuring security, scalability, and operational readiness. Additionally, the document will guide students on post-launch steps, including branding, marketing, and business partnerships, while emphasizing the importance of staying on the technology track.

Go Live Practices:

1. Production Deployment

- **Environment Setup:**
  o Configure production environment variables securely.
  o Ensure all sensitive data.

- **Secure Hosting:**
  o I used reliable hosting paltform like Vercel.
  o Enabled HTTPS for all traffic using SSL certificates.

2. Why Vercel for Deployment?

Since I've chosen Vercel, linking my GitHub repository will enable automatic deployments every time I push changes. Here's how to do it:

Connecting GitHub to Vercel

Sign in to Vercel & Import Project

Step 2: Configure Environment Variables

1. Create a .env File:

```
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.
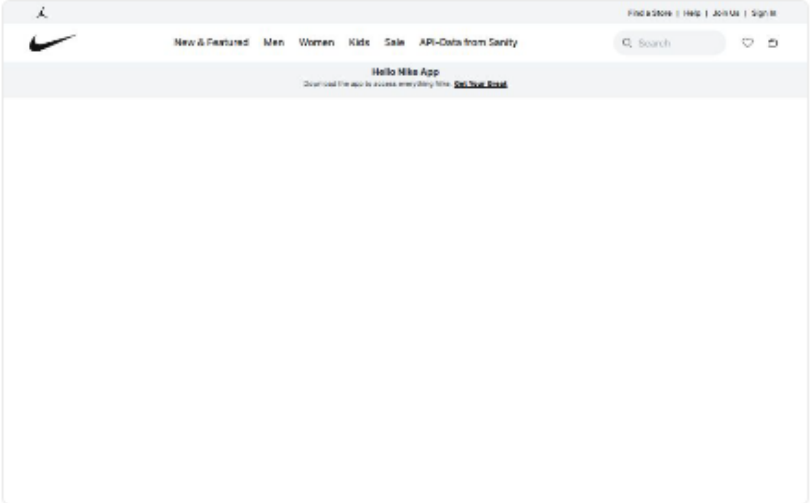
Step 3: Deploy Staging

1. Deploy Application:

o Deploy the application to a staging environment through the hosting platform.

2. Validate Deployment:

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

Step 4: Staging Environment Testing

1. Testing Types:

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

2. Test Case Reporting:

o 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:

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 hierarchy.

Step 6: Submission Requirements:

For Day 7, students will submit their Business Pitch Deck and Resume PDF Link in the provided form. This submission will help them prepare for future presentations and professional opportunities.

1. Pitch Deck Link:

- Provide a link to your business pitch deck, summarizing your marketplace, problem statement, solution, and business plan.

2. Resume Link:

- Submit a professional resume link showcasing your skills, hackathon achievements, and portfolio.

Checklist for Day 7:

- Deployment Checklist:
  ✓ ✗

- Security Checklist:
  ✓ ✗

- Post Go Live Checklist:
  ✓ ✗

- Business Pitch Deck:
  ✓ ✗

- Resume PDF:
  ✓ ✗