

# **DAY 6 - DEPLOYMENT PREPARATION AND STAGING ENVIRONMENT SETUP**

## **Hekto: Building the Future of Furniture Shopping**

### **Application Overview**

**Application Name:** Hekto: Building the Future of Furniture Shopping

**Deployed URL:** <https://final-figma-ecommerce-project-mxky.vercel.app/>

Hekto is an innovative and user-centric e-commerce platform that redefines furniture shopping. It is designed to provide an intuitive and seamless shopping experience, backed by robust performance and advanced security measures. The application leverages modern web technologies and is deployed on Vercel, ensuring fast, reliable, and scalable service delivery.

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### **Performance Metrics**

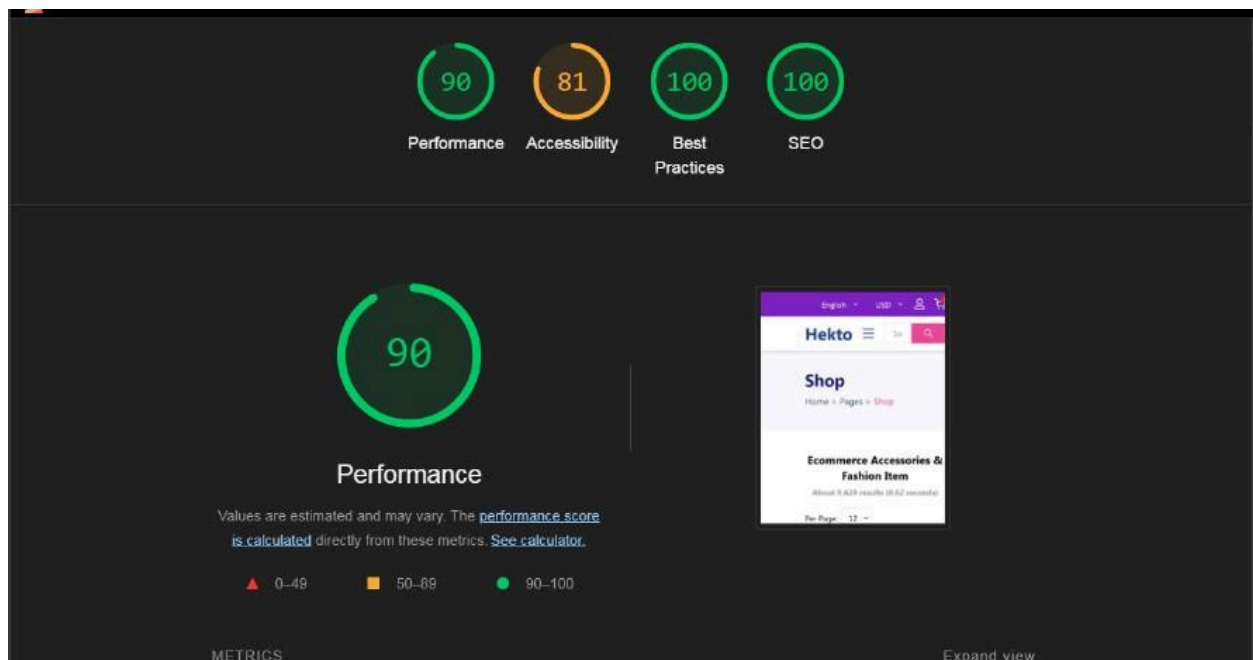
Performance testing was conducted using Lighthouse, a trusted tool for assessing web application quality. The results demonstrate that the application delivers an excellent user experience across key metrics, ensuring high reliability and accessibility.

### **Shop Page Performance**

#### **Mobile**

- **Performance: 90 (Good)**
- **Accessibility: 81 (Satisfactory)**
- **Best Practices: 100 (Excellent)**
- **SEO: 100 (Excellent)**

## Screenshot:



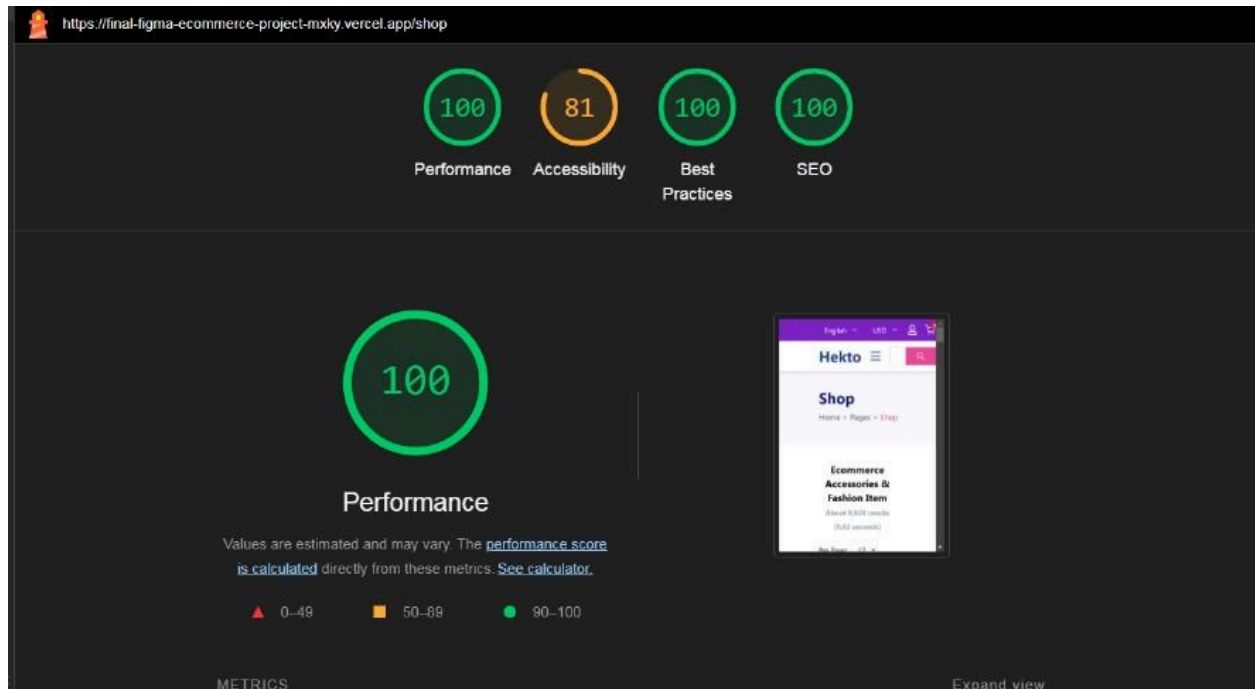
The shop page showcases good performance on mobile, ensuring smooth browsing with minor areas for optimization. The 81 accessibility score indicates a need for slight adjustments to enhance inclusivity.

## Desktop

- **Performance: 100 (Excellent)**
- **Accessibility: 81 (Satisfactory)**
- **Best Practices: 100 (Excellent)**

- **SEO: 100 (Excellent)**

## Screenshot:



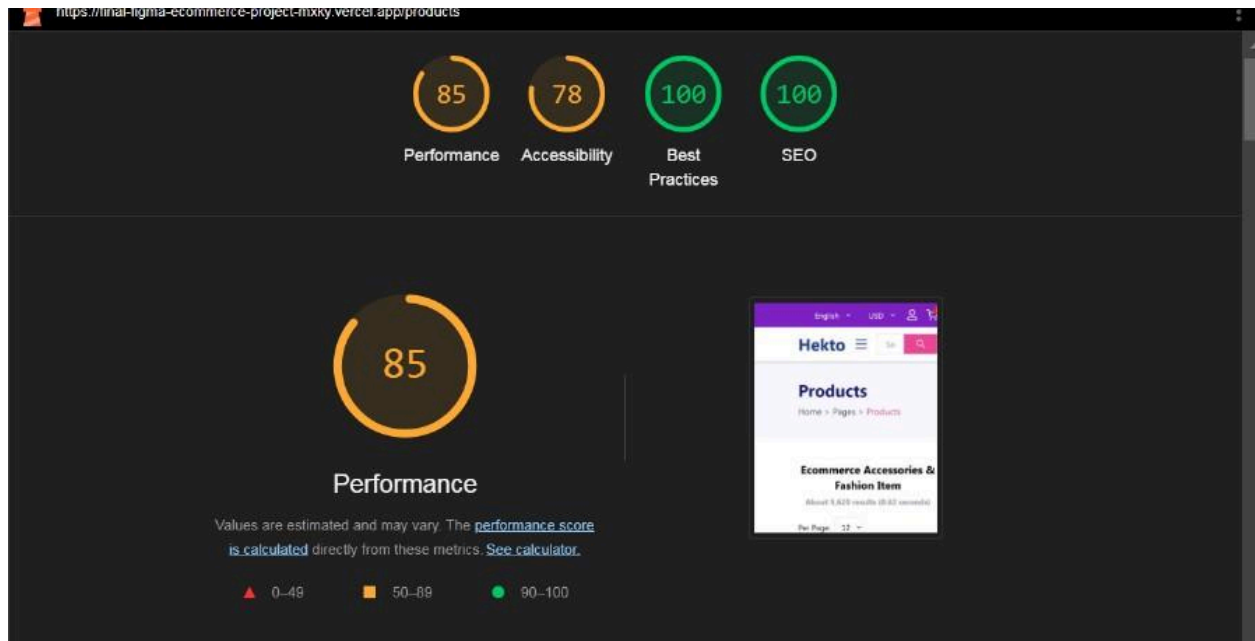
With a perfect performance score of 100 on desktop, the shop page offers a fast and flawless experience. The accessibility score of 81 reflects areas for potential improvement in supporting all users.

## Product Page Performance

### Mobile

- **Performance: 85 (Good)**
- **Accessibility: 78 (Moderate)**
- **Best Practices: 100 (Excellent)**
- **SEO: 100 (Excellent)**

## Screenshot:

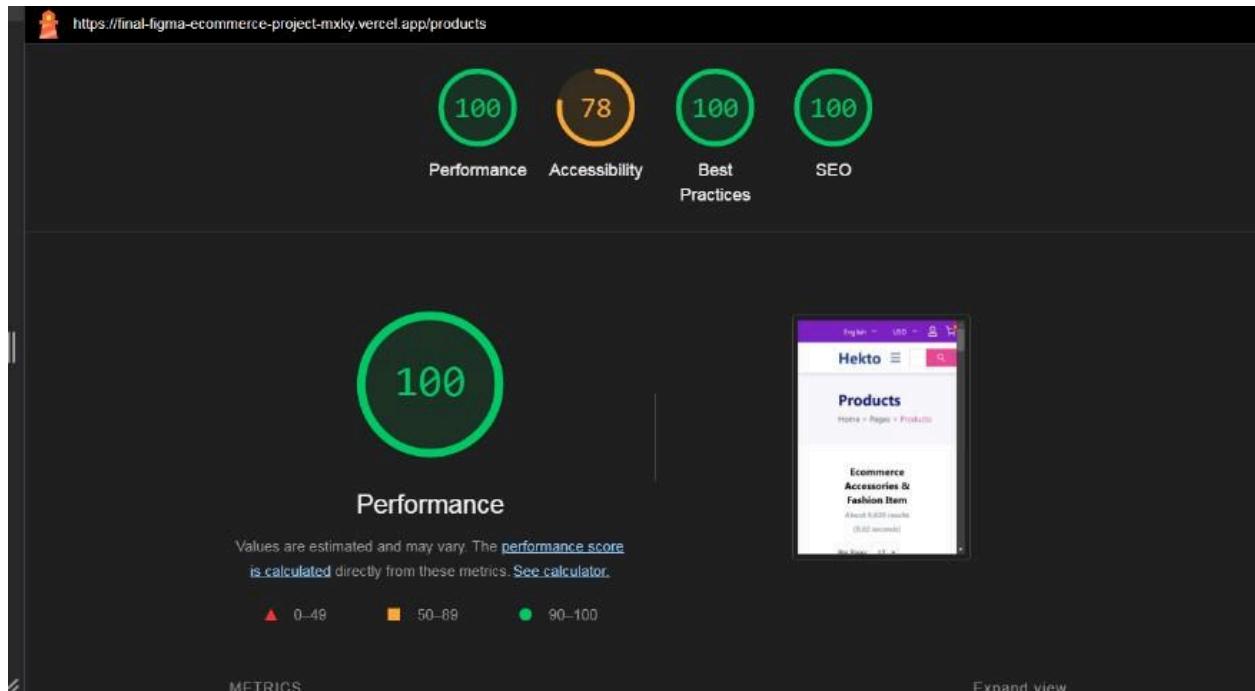


The product page delivers a good performance score of 85 on mobile, ensuring a smooth shopping experience. The accessibility score of 78 highlights opportunities for enhancing navigation and usability for all users.

## Desktop

- Performance: 100 (Excellent)
- Accessibility: 78 (Moderate)
- Best Practices: 100 (Excellent)
- SEO: 100 (Excellent)

## Screenshot:



The product page achieves a perfect performance score of 100 on desktop, ensuring exceptional speed and reliability. Accessibility improvements can make the platform even more inclusive.

Overall, the performance metrics indicate that Hekto is an excellent platform in terms of speed, best practices, and SEO, with minor areas for improvement in accessibility to enhance inclusivity.

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## Steps for Implementation

### Step 1: Hosting Platform Setup

#### 1. Why Vercel?

Vercel was chosen for its simplicity, robust integration with GitHub, and automatic scaling features. Its ability to handle deployments efficiently makes it ideal for modern web applications.

## 2. Connecting the Repository

- The GitHub repository was seamlessly connected to Vercel.
  - Build settings were configured for automated deployment, ensuring that updates are deployed in real-time with minimal manual intervention.
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## Step 2: Configure Environment Variables

Environment variables were configured to securely manage sensitive data such as API keys and project configurations.

### 1. Creating a `.env` File

The `.env` file contains essential keys, as shown below:

```
NEXT_PUBLIC_SANITY_PROJECT_ID=your_project_id
```

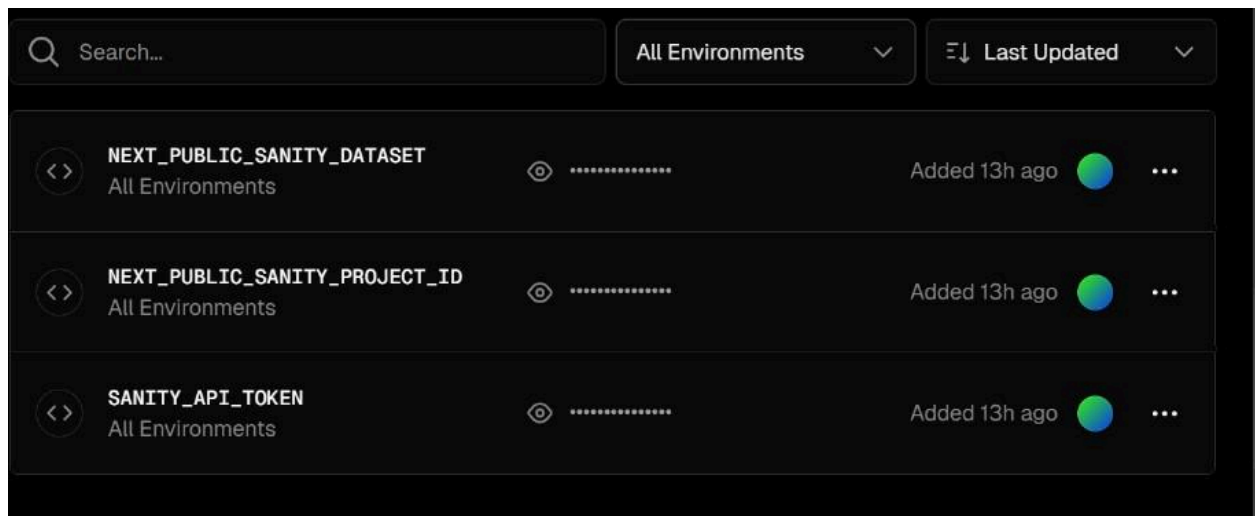
```
NEXT_PUBLIC_SANITY_DATASET=production
```

```
API_KEY=your_api_key
```

### 2. Uploading Variables to Vercel

Using Vercel's dashboard, environment variables were uploaded securely to ensure the application operates without exposing sensitive information.

## Screenshot:



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## Step 3: Deploy to Staging

### 1. Deploying the Application

The application was deployed to a staging environment through Vercel's intuitive deployment process. This allowed thorough testing before final production release.

### 2. Validating Deployment

Key functionalities, including navigation, search, and checkout, were rigorously tested in the staging environment to confirm error-free operation. Any detected issues were promptly resolved to ensure a seamless user experience.

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## Conclusion

Hekto sets a new benchmark in the e-commerce industry by delivering a fast, accessible, and highly efficient platform. Its deployment via Vercel ensures unmatched reliability and scalability, while Lighthouse performance metrics affirm the application's strength in performance, best practices, and SEO.

This documentation outlines the meticulous efforts in development, deployment, and optimization, providing a comprehensive view of the project's success. Continuous improvements in accessibility will further enhance the inclusivity and user satisfaction of the platform.

## DAY 6 Checklist

TASK	COMPLETED
Deployment Preparation:	(✓)
Staging Environment Testing:	(✓)
Documentation:	(✓)
Form Submission:	(✓)
Final Review:	(✓)