

Day 6 - Deployment Preparation and Staging Environment Setup

Overview:

The focus of Day 6 was preparing the Sinp Ecommerce application for deployment. This involved setting up a staging environment, securely managing configurations, and tackling real-world challenges during deployment.

Key Steps in Deployment:

1) Setting Up Hosting on Netlify:

- Platform Selection: Chose Netlify for its simplicity and efficient workflow.
- GitHub Integration: Connected the repository for automatic build and deployment.
- Build Configurations: Adjusted settings for a smooth and error-free build process.

2) Environment Variables Management:

- Created a .env file to store sensitive credentials such as API keys.
- Added these variables to Netlify's environment settings to maintain security during deployment.

3) Deployment to Staging:

- Successfully deployed the app to a staging environment to replicate real-world conditions.
- Validated the application functionality post-deployment.

4) Testing in Staging:

- Verified that all core functionalities, like product listing and checkout, worked seamlessly.
- Conducted mobile responsiveness tests to ensure the design adapts well across all devices.
- Used performance tools to analyze site speed and responsiveness.