# **Day 6: Deployment Preparation and Staging Environment Setup**

# **Key Achievements:**

#### Deployment Strategy:

o Hosted the application on Vercel for quick deployment.

o Integrated GitHub repository for CI/CD.

#### • Environment Variables:

o Configured sensitive variables (e.g., API keys) in .env and uploaded them securely to Vercel.

### • Staging Environment:

o Deployed a staging build to validate functionality in a production-like environment.

o Example .env File:

NEXT\_PUBLIC\_SANITY\_PROJECT\_ID=your\_project\_id

NEXT\_PUBLIC\_SANITY\_DATASET=production

API\_KEY=your\_api\_key

## Staging Testing:

o Functional Testing: Verified key workflows like product listings and checkout.

o Performance Testing: Used GTmetrix for analyzing speed and

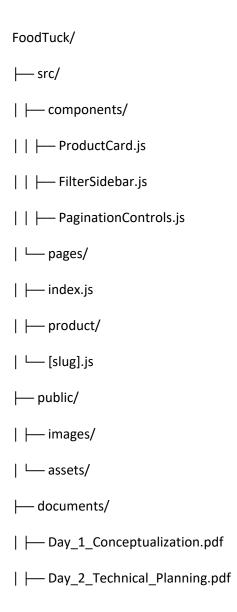
responsiveness.

o Security Testing: Validated HTTPS, input handling, and secure API calls.

#### • Documentation:

- o Created a README.md summarizing the project structure and deployment steps.
- o Organized the GitHub repository with folders for src/, public/, and documents/.

# **GitHub Repository Structure**



# **Conclusion**

Over the six days, the FoodTuck Restaurant Marketplace project progressed from concept to deployment, integrating robust features and ensuring a seamless user experience. With a well-structured GitHub repository, dynamic components, and comprehensive testing, the project is now ready for live deployment in a production environment.

## The next steps include:

- 1. Addressing any unresolved issues documented in the staging tests.
- 2. Monitoring the live environment for user feedback and performance metrics.
- 3. Scaling the platform to include advanced features like multi-language support and predictive analytics.

This marks the successful completion of the Furniture Marketplace hackathon project!