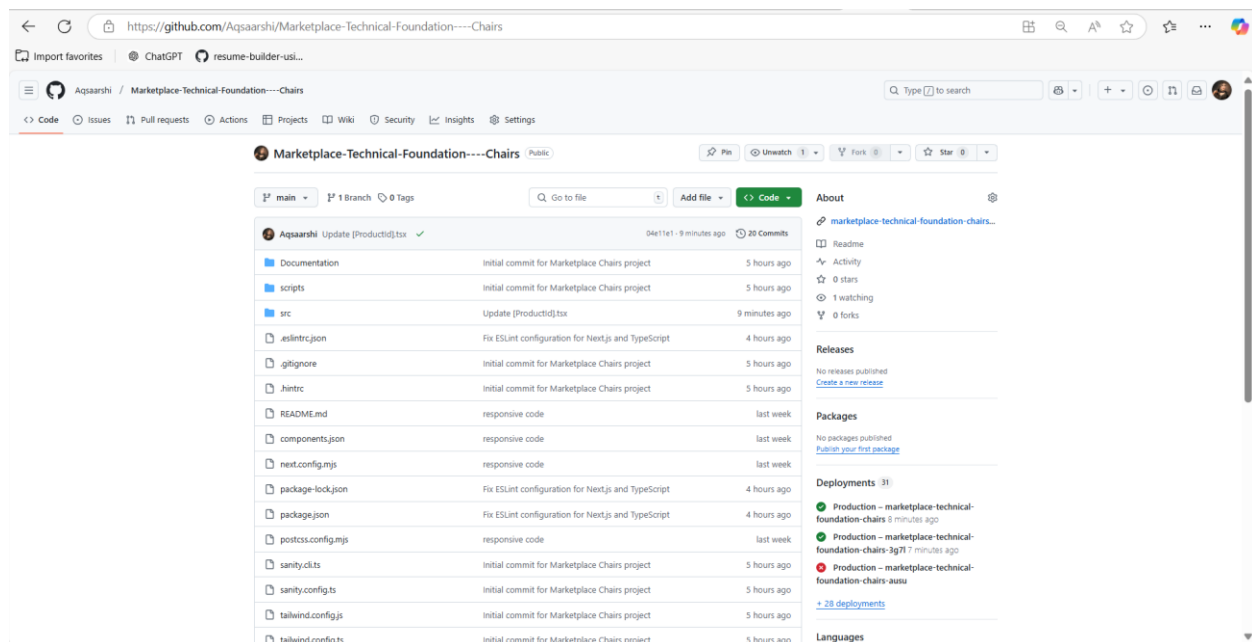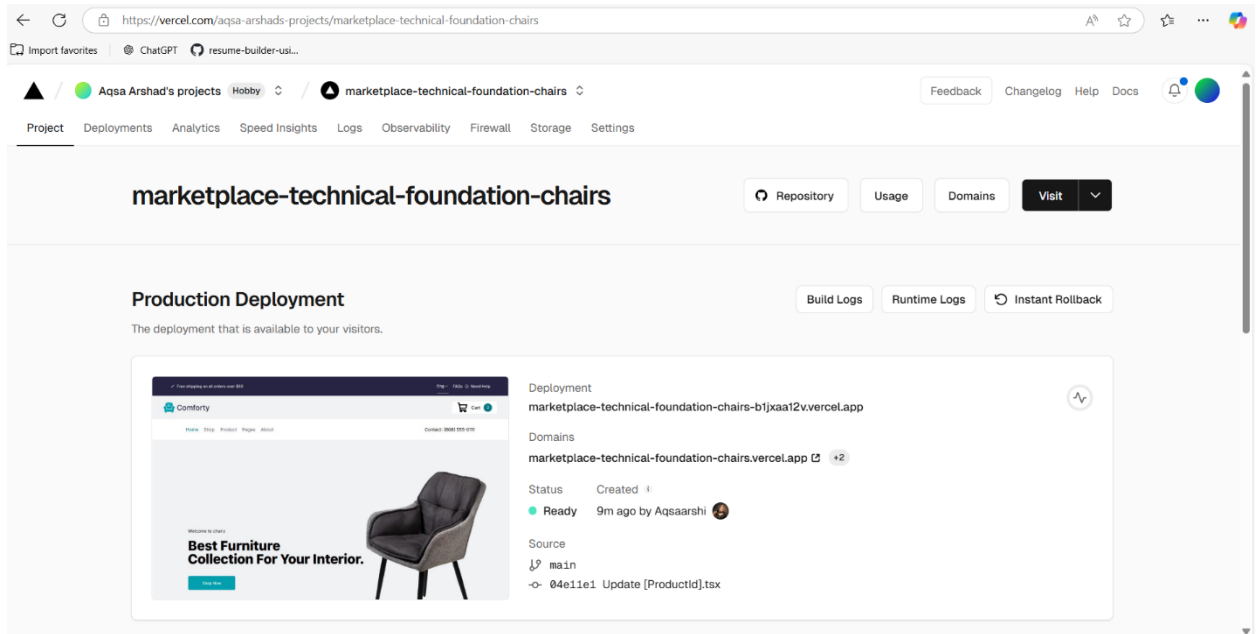# Day 6 - Deployment Preparation and Staging Environment Setup

Prepared by **AQSA ARSHAD**

1] Github :A complete and well-structured **GitHub repository** containing:

- ## 2] Vercel : **Hosting Platform Selected:** Vercel was chosen for deployment due to its simplicity and efficient deployment features.

3] Environment Variables Configuration:

- o Configured sensitive variables such as:
  - NEXT_PUBLIC_SANITY_PROJECT_ID
  - NEXT_PUBLIC_SANITY_DATASET
  - API keys and tokens.
- o Ensured secure setup of variables within the hosting platform

4] Error Resolution

- Spent **8 hours** solving critical deployment errors on Vercel to ensure the staging environment operated without issues.
- Resolved issues with GitHub integration and fixed errors related to automated builds.

4. Extended Coding and Hackathon Completion

- Dedicated **18 hours daily** to coding tasks, focusing on resolving technical challenges and completing hackathon requirements.

- Finalized GitHub setup and ensured a seamless workflow for repository management and updates.

Key Learning Outcomes

Learned how to set up a staging environment on platforms like Vercel.

Conducted staging environment testing using tools like Lighthouse and Cypress.

Documented results in a professional and structured manner.

Challenge Completed

- Spent significant time handling and resolving API-related errors to ensure fallback mechanisms worked effectively.

- Focused on implementing robust error-handling logic to manage unexpected situations during deployment and staging.

- Debugged edge cases and optimized error messages to enhance user experience.