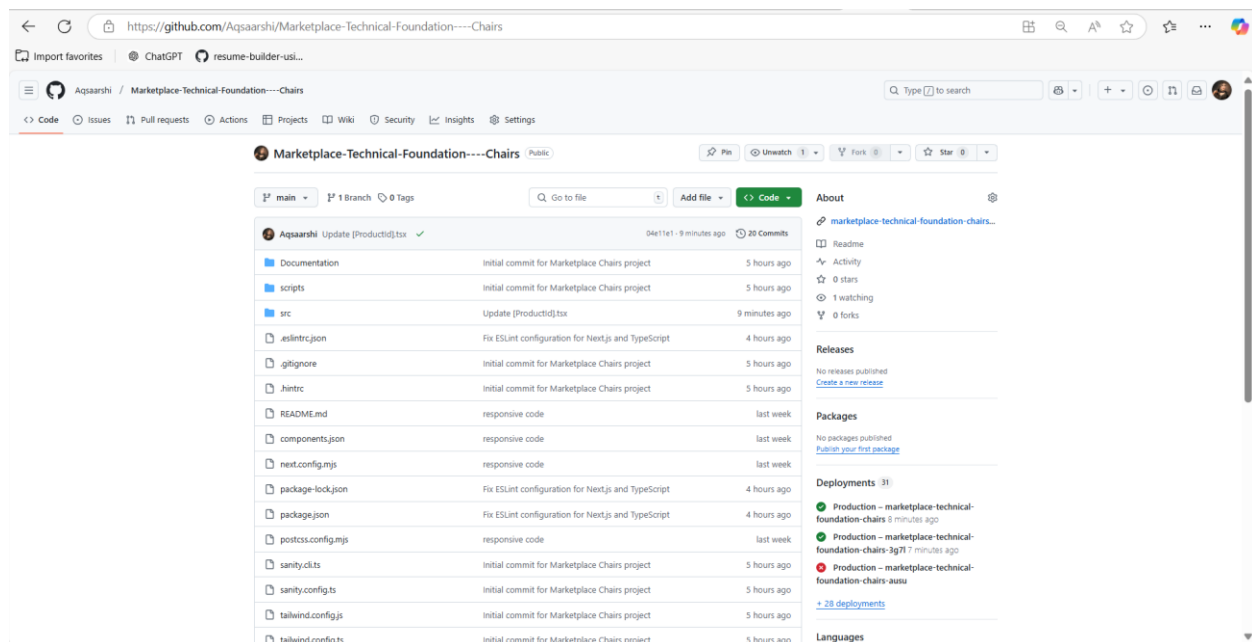


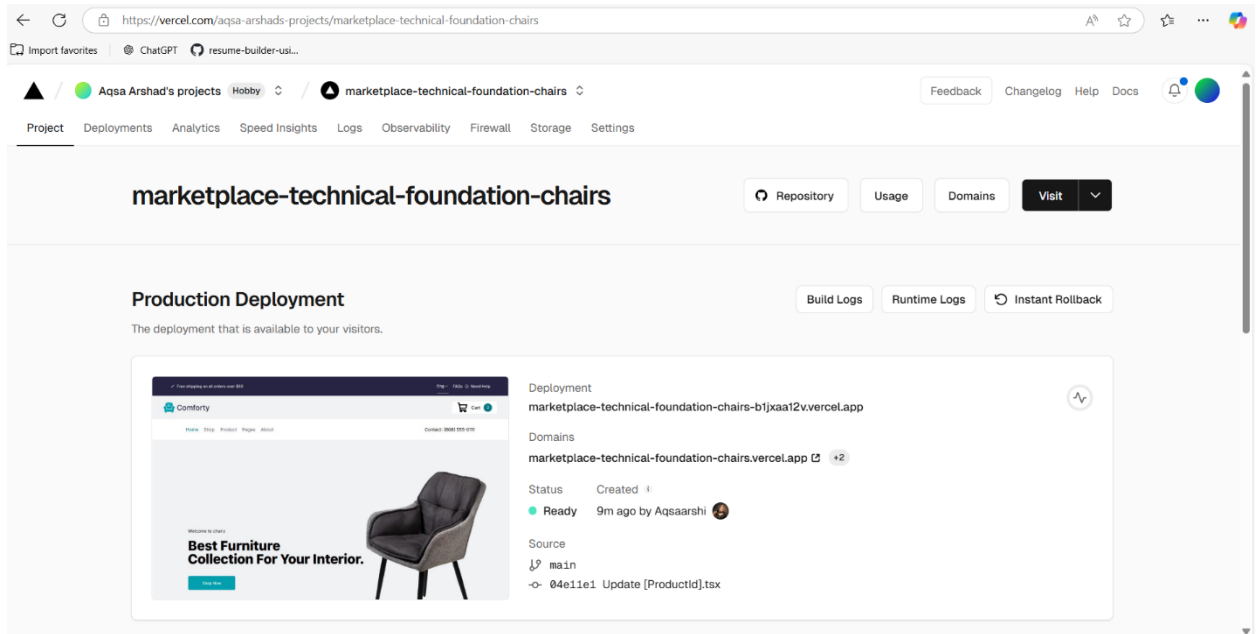
Day 6 - Deployment Preparation and Staging Environment Setup

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:

- Configured sensitive variables such as:
 - NEXT_PUBLIC_SANITY_PROJECT_ID
 - NEXT_PUBLIC_SANITY_DATASET
 - API keys and tokens.
- 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.

The screenshot shows the Vercel deployment interface. The 'Deployment' tab is active, displaying a list of logs. The logs are filtered to show 'Errors (6)' and 'Warnings (8)'. The first error is 'Failed to compile.' at 04:29:15.623. The second error is 'Error: Unexpected any. Specify a different type. @typescript-eslint/no-explicit-any' at 04:29:15.623. The third error is 'Warning: Using could result in slower LCP and higher bandwidth. Consider using <Image /> from <next/image> or a custom image loader to automatically optimize images. This may incur additional usage or cost from your provider.' at 04:29:15.623. The fourth error is 'Warning: Using could result in slower LCP and higher bandwidth. Consider using <Image /> from <next/image> or a custom image loader to automatically optimize images. This may incur additional usage or cost from your provider.' at 04:29:15.623. The fifth error is 'Error: Unexpected any. Specify a different type. @typescript-eslint/no-explicit-any' at 04:29:15.623. The sixth error is 'Error: Command "npm run build" exited with 1' at 04:29:16.473. The logs are expanded to show 24 lines. Below the logs, there are sections for 'Deployment Summary' and 'Assigning Custom Domains'.

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.

The screenshot shows the Vercel deployment interface. The 'Deployment' tab is active, displaying a list of logs. The logs are filtered to show 'Errors (15)' and 'Warnings (0)'. The first error is 'ESLint must be installed in order to run during builds: npm install --save-dev eslint' at 01:29:11.233. The second error is 'Failed to compile.' at 01:29:17.376. The third error is 'Type error: Cannot find module '@lib/utils' or its corresponding type declarations.' at 01:29:17.377. The fourth error is 'Error: Command "npm run build" exited with 1' at 01:29:18.154. The logs are expanded to show 32 lines. Below the logs, there is a section for 'Deployment Summary'.

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.
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