

My **Hackathon** Experience: Challenges, Learnings, and Suggestions for Improvement

Participating in a hackathon was an exciting and insightful journey. It provided an excellent platform to tackle real-world problems and sharpen my skills. Here's a summary of my experience:

Challenges Faced

Integrating Sanity CMS: Setting up and integrating Sanity CMS with Next.js was challenging, particularly configuring environment variables and CORS settings. Debugging live deployment issues and ensuring data fetching worked seamlessly required extensive troubleshooting.

Dynamic Routing and ISR: Creating dynamic pages with Incremental Static Regeneration (ISR) was complex but rewarding. Ensuring accurate and real-time data display involved meticulous planning.

Error Management: Resolving deployment errors and handling search functionality were persistent challenges. Each resolution taught me more about debugging and efficient problem-solving.

API and Context Management: Managing APIs and utilizing context effectively to maintain a functional e-commerce flow was a steep learning curve.

Learnings

Sanity Data Management: Understanding how to fetch and categorize data using Sanity was a critical skill. This knowledge has broadened my capabilities in building dynamic, data-driven applications.

Resilience in Problem-Solving: Tackling technical obstacles head-on reinforced my persistence and analytical thinking. Every problem turned into a stepping stone for growth.

End-to-End Development: Seeing my project evolve—from designing components to managing orders and database updates—was highly rewarding. It highlighted the importance of end-to-end project understanding.

Suggestions for Improvement

Enhanced Time Management: Breaking down tasks into smaller milestones with clear deadlines would improve efficiency and reduce stress during future hackathons.

Pre-Hackathon Training: Workshops on key technologies like Sanity, Next.js, and API management before the hackathon could ease the learning curve.

Improved Collaboration: Leveraging tools like Trello for task tracking or Slack for communication can streamline teamwork and boost productivity.

Post-Event Reflection: Structured feedback sessions after the hackathon could help identify areas for improvement and celebrate the team's achievements.

Overall, the hackathon was a remarkable experience. It challenged me, enhanced my skills, and deepened my passion for problem-solving and innovation.

Validate API responses and user experience.

Perform security audits for sensitive data handling.

Deployment Phase

Deploy the platform on **Vercel** for seamless scalability.

Monitor performance and address user feedback.

Conclusion

The **Comforty** Online Shopping Platform** aims to deliver an exceptional eCommerce experience with a focus on user convenience, dynamic data management, and real-time tracking. By leveraging modern frameworks and **APIs**, the platform ensures a secure, efficient, and scalable solution for online furniture shopping.