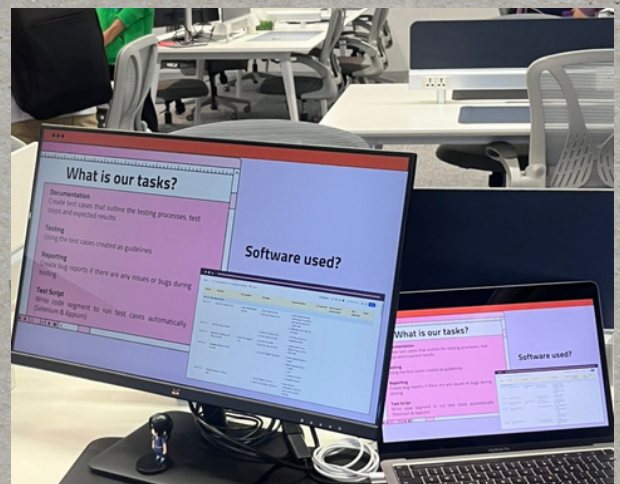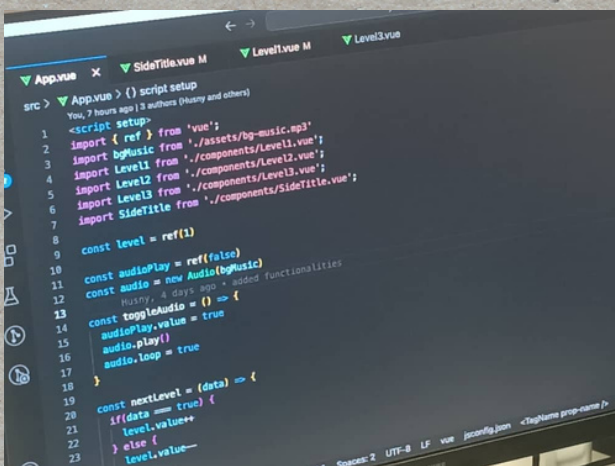6 BOYS

CLARITY TECHWORKS VISIT

Industrial Visit

SUMMARY OF THE VISIT

We visited Clarity Techworks on 18/1/2024, where groups were warmly welcomed by the staff and colleagues. During our visit, we delved into the technologies and daily tasks of the workforce, gaining insights and even learning to navigate challenging situations. The highlight of our visit was the insightful conversation with the Chief Technology Officer, Yee Soon Tuck. Mr. Tuck generously shared his personal journey into the tech industry, painting a vivid picture of determination and passion. Mr. Tuck's story serves as a powerful reminder to seize opportunities and pursue one's passion, even in the face of challenges.This eye-opening experience provided valuable insights into working life and future career opportunities.

TECHNOLOGIES AND ISSUES

WEB APPLICATION DEVELOPMENT

At the heart of their operations, the Web Application Development team showcased their prowess in both backend and frontend technologies. The backend stack included Laravel, PHP, and MySQL, while Vue.js, PRIMEVUE, and JavaScript powered the frontend. Styling was accomplished using PRIMEFLEX, Tailwind CSS, and traditional CSS. To aid our understanding, the team even designed a game using HTML, CSS, and JavaScript.

WEB API DEVELOPMENT

Moving to the Web API station, the team demonstrated their use of Laravel, Source tree/Git, Sequel Ace/MySQL, and Postman to efficiently handle API development, ensuring seamless communication between different components.

MOBILE APP DEVELOPMENT

The Mobile App Development teams provided a glimpse into their dynamic work environments. For Android development, the team harnessed the power of Android Studio, Google Play Console, Figma, Postman, and Jira to craft user-friendly and feature-rich applications. On the iOS front, an engaging app, reminiscent of the classic Duck Hunt game, captured our attention. The development stack included Swift UI, UIKit, Swift, and Objective-C, all seamlessly integrated into the Xcode IDE. These technologies collectively enable the creation of robust and visually appealing mobile applications, showcasing the company's commitment to delivering top-notch user experiences

QUALITY ASSURANCE

The Quality Assurance (QA) station showcased a deep dive into the company's commitment to delivering robust and reliable software solutions. The QA team showcased their rigorous testing procedures, employing Selenium for web application testing and APM (Application Performance Management) for mobile applications. Notably, the implementation of automated testing not only ensures the seamless functionality of their web and mobile apps but significantly expedites the testing process. The use of automation tools not only enhances the accuracy of testing but also underscores the company's dedication to maintaining a high standard of quality and user satisfaction. This streamlined testing approach demonstrates the company's commitment to efficiency without compromising on the thoroughness of their quality assurance processe

UI/UX TEAM

The UI/UX team shared their dynamic approach, beginning with extensive research on industry UI/UX practices for mobile apps and web applications. They also contribute to marketing efforts by designing engaging posters. During our visit, the team organized a friendly competition, dividing us into two teams to design a website. This hands-on activity showcased their emphasis on collaborative creativity and adherence to industry standards. The UI/UX team's multifaceted role extends beyond interface design, encompassing strategic research and interactive challenges to ensure the optimal user experience

REFLECTION

Our visit to Clarity Techworks, show me how a company in the financial services operates. The visit show me that an app requires a lot of work and a bunch of different people doing things well for the application to work smoothly.

The Clarity Techworks visit also revealed how innovation in technology, especially in Web Application and Mobile App Development, enhances efficiency and user experiences. Technologies like Laravel and Swift UI showcase the potential to streamline daily tasks and improve the way individuals interact with applications, highlighting the positive impact of innovation on human life. The emphasis on automated testing in Quality Assurance further illustrates how innovation can expedite processes without compromising thoroughness, contributing to more reliable software solutions.

6 BOYS

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