ABSTRACT

A portfolio is an essential tool for documenting students' academic and non-academic achievements, helping to enhance their competitiveness in the job market. However, conventional portfolio presentation methods are often ineffective due to limitations in accessibility, interactivity, and update efficiency. This research aims to design and develop an interactive web-based student portfolio system to address these issues.

The system is designed using modern web technologies with a multi-tier architecture that utilizes TailwindCSS for the front-end, Laravel for the back-end, and MySQL for data management. Key features include profile management, CV creation, content uploads, and social interaction among users. The system also supports direct feedback from lecturers and companies to improve the quality of students' portfolios.

The system was tested using black-box testing and user validation to ensure performance, reliability, and usability. The test results show that the interactive student portfolio system effectively meets user needs with optimal performance, robust data security, and an excellent user experience.

This system is expected to be an innovative solution that not only facilitates students in presenting their achievements professionally but also strengthens academic collaboration and builds networks among students, alumni, lecturers, and companies.

Keywords*: student portfolio, web-based system, Laravel, TailwindCSS, MySQL, interactivity, black-box testing*