ABSTRACT

The implementation of quizzes directly at LPK Cipta Kerja DPN Perkasa Jateng presents several challenges. Instructors have to wait in the classroom until students complete the quiz and then manually grade the results, which requires time and effort. On the other hand, students have to wait to find out their quiz results, making it difficult for them to immediately evaluate their performance and learn from their mistakes. This situation creates a need for a more efficient and structured quiz management system to enhance the quality of training at the institution. The Quiz Management System Application at LPK Cipta Kerja DPN Perkasa Jateng is designed to address these issues by providing a digital platform that simplifies quiz management and access for both instructors and students. The primary focus of this application development is to make it easier for instructors to manage questions, assess quiz results, and systematically monitor student performance. Meanwhile, students can take quizzes outside of scheduled class times, view their scores immediately, and review correct answers as part of their self-evaluation. The application development process employs the ICONIX Process method, an object-oriented analysis-based approach that provides a clear development flow from requirements analysis to code implementation. Various diagrams, such as Use Case Diagrams, Domain Models, and Sequence Diagrams, are utilized to facilitate the transformation of functional requirements into an implementable system design. The application features include quiz question management, automatic grading for multiple-choice questions, direct grading by instructors for open-ended questions, and score reporting accessible by both students and instructors. By integrating these features, the system supports the institution's vision of delivering modern, effective, and innovative learning services.

Keywords : Quiz Management, ICONIX Process, Web-Based Application