

Abstract

The assistant recruitment process at the Faculty of Informatics, Telkom University, was previously conducted semi-manually, resulting in inefficiency and data management issues. This study aims to design an integrated web-based assistant recruitment system using the Agile approach. Requirements elicitation was carried out through interviews, questionnaires, and observation to identify functional and non-functional needs, which were formulated into user stories with acceptance criteria and mapped into a backlog. The system was modeled comprehensively using Unified Modeling Language (UML), including Use Case Diagrams, Activity Diagrams, Sequence Diagrams, and ERD to illustrate processes, user interactions, and data structures. Validation was performed internally by the development team and externally with stakeholders to ensure the design met user requirements. All requirement changes and revisions were documented systematically to maintain traceability. The resulting design is expected to serve as a foundation for developing a more efficient, transparent, and user-oriented recruitment system.

Keyword: assistant recruitment, information systems, requirements elicitation, UML, agile methodology, systems integration.