

ABSTRACT

Academic Information System (SIA) is an application designed to meet the needs of administrative data processing. University XYZ is an Islamic higher education institution offering a single study program in Arabic Language Education. University XYZ has also implemented an academic information system to manage its academic activities; however, the system is managed by a third party on a rental basis. To address this issue, the development of a Software Requirements Specification (SRS) document for the academic information system at University XYZ is proposed. The standard used for preparing the SRS document is ISO 29148:2018, an international standard for developing SRS documents for software development projects. The SRS document encompasses stakeholder needs analysis, identification of functional and non-functional requirements, as well as modeling use cases, activity diagrams, robustness diagrams, sequence diagrams, database design, and user interfaces for the SIA. The features available in the SIA include Login, Forgot Password, Personal Data Module, Advisory Module, Academic Module, Questionnaire Filling, and Logout. The SRS document will subsequently be validated by University XYZ. This research focuses on preparing the SRS document for the Academic Information System of University XYZ. It is expected that the SRS document will assist developers in creating a well-structured and efficient system.

Keywords: ISO/IEC/IEEE 29148:2018, Academic Information System, Software Requirement Specification