Abstract

In the last three decades, the field of e-assessment has become more important. Several universities and higher education institutes have started to provide online assessments. The variance in the e-assessment application domains as well as the market competition has caused several e-assessment systems to be developed. As the universities cover different subjects and courses, they may have more than one e-assessment system based on the department and the course. Therefore, more resources and budgeting planes are required. This paper discusses the possibility of a generic and flexible e-assessment system as a way to solve this problem. Furthermore, it investigates the generality and flexibility requirements in the field of e-assessment and provides appropriate architecture for a modular assessment system with reference to these requirements.

Reference


**Index Terms**

Computer Science  
Software Engineering

**Key words**

E-assessment  
Assessment framework

Modular assessment system  
Assessment services  
Service-oriented architecture for assessment