Abstract

Several educational institutes use e-Learning platforms especially Learning Management System (LMSs) to manage the learning process. Adaptive Learning System (ALSs) supports the learning process using adaptive guidance and possibly personalized content. The AeLF offers a new framework that brings the two systems together. This is done by a single sign-on, a User Model, an Experience Learner Tracker, a Domain Model and an Adaptive Engine. Authors can create structured course material and define the pedagogical rules through a graphical interface. The experiences learner tracker can detect all the interaction learner/system and a supplementary adaptation engine offers almost any type of adaptation a learner might want. This article presents the architecture of the AeLF environment, and describes all its components.
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Index Terms

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Keywords

Adaptation  adaptive learning systems  adaptive learning management system  learning content  adaptation engine