Abstract

In recent years, e-learning has been widely used in education. E-learning implements static hypermedia in which learning flows and materials are similarly delivered to all learners. Adaptive hypermedia is enhanced hypermedia delivering adaptive and personalised learning adapted to the learner characteristics. In term of education, adaptive hypermedia is called adaptive educational hypermedia. This final project aims to test the ability of IMS LD to support content-based adaptation. It analyses the implementation of content-based adaptation techniques in IMS LD. The techniques include fragments insertion and removal, fragments altering, fragments sorting , fragments dimming, and stretch text. The experiment results show the ability of IMS LD in implementing content-based adaptation techniques.

Keywords: *adaptive hypermedia, adaptive education hypermedia, content based adptation*