

Abstract

Domain models in an adaptive educational hypermedia system is a representation of the concept of the knowledge domain. Domain model should be able to describe the concepts and their relations well for providing support to educational adaptive hypermedia system . Establishment of the model domain is done using cognitive methods . Cognitive methods describe domain representation of the model in graph form so that the relation between nodes or material can be described more freely than with a structured method . Determination of path to master concept in the domain models will use Dijkstra algorithm for its optimal and complete and is one of the best algorithm to search the best path between two nodes in a directed graph.

Keywords : domain model, adaptive educational hypermedia, domain knowledge, Dijkstra algorithm, cognitive method.