ABSTRACT

Maintenance is one of the most important things in developing a software system. Maintenance is done to improve the quality of the system along with the development of time and changes in requirements of the user. Currently there is a development of a college event web portal called Acarakampus which utilizes the concept of marketplace. Like other software systems, the Acarakampus web portal requires maintenance to improve its quality.

Some things were found as materials for maintenance. The existing system does not provide features that can process visitor behavior patterns or visitor desires for an event type so that there is no event recommendation feature provided to users of the Acarakampus web portal based on a specific indicator. In addition, changes and improvements to existing features are needed.

To overcome these problems, a design is needed that can be used as a reference for maintenance of the Acarakampus web portal. Recommendations used based on tags using the implicit-tag algorithm. The implicit-tag algorithm is chosen because the recommendation combines the event tag references from the member with a history view detail of a member event. The result of this study is a maintenance design of the university's event market web portal by using iterative & incremental methods.

Keywords: *maintenance, event, website application design, iterative & incremental, tag-based recommendations, recommendations*