

Abstract

The need for systems that can support the business processes of a company more and more nowadays. Small to large companies have used information technology to support their business processes both payroll processing employee or asset management process. This system is commonly called Enterprise Application Software (EAS), but in the construction of such a system is not easy because of its complex business processes that are implemented into the system.

To minimize complexity of systems and simplify the process to development systems, we takes design pattern in the system design process thus simplifying the development of the system. In this final project used two types of design patterns in the development of Asset Management System as an example of the Enterprise Application Software.

Both of the design pattern are MVC (Model View Controller) and three tier. After the system development process that implements the MVC design pattern and Three tier conducted a comparative analysis of the parameters of software metrics, effort estimation and system performance in the handler thread. The analysis was carried out to see the design pattern that matches the EAS that is built upon three parameters of the test.

Key word : *Enterprise Application Software, Design Pattern, MVC, Three Tier*