Different Types of Models in Software Development
Life Cycle: A Comparative Study

Abstract:

A methodology is a formalized approach to implementing Software Development Life Cycle. Several software development methods (such as structured development, object-oriented development and rapid application development (RAD)) and associated modeling tools have evolved to deal with issue of complexity. In this paper we discussed some factors which affect the approaches selected to solve problem. Based on these factors one or a combination of the methods can be applied to develop software that will behave reliably and efficiently, affordable to develop and maintain, as well as satisfy all the requirements of customers. These three categories of methodology were compared. The result of this research reveals that selecting a methodology is not simple, as no one methodology is always best. For some projects a combination of methodologies will yield a quality product. Three points scale (Bad, Good and Excellent) are used to match the suitability of the methods against the factors.