Abstract

Software Engineering is a systematic method of development of software. SDLC lists all the processes and tasks for developing a software. Choosing the right model is very crucial as based on it, development and testing processes are carried out. Also, error has a cascading effect in SDLC. In this paper, a number of existing SDLC Models (waterfall, V shaped, prototype, and RAD), used to develop softwares commercially are discussed and compared with each other. This comparison is used as a basis to propose a tool that helps to identify the best-suited model for the current project. Also, the risk management activities are incorporated in the models themselves as compared to a standalone activity. Thus, a resource-efficient product is developed.

References

19. Wikipedia.org/wiki/Waterfall_model
20. Tutorialspoint.com/sdlc/sdlc_v_model
Index Terms

Computer Science

Software Engineering

Keywords

SDLC, Waterfall, V-model, Prototype, RAD