Software Testing is the most important phase of the Software Development Life Cycle. On most software projects testing activities consume at least 30 percent of the project effort. On safety critical applications, software testing can consume between 50 to 80 percent of project effort. Software testing is essential to ensure software quality. Schedule is always running tight during the software system development, thereafter reducing efforts of performing software testing management. In such a situation, improving software quality becomes an impossible mission. It is our belief that software industry needs new approaches to promote software testing management. The article discussed the model that already existed, further excavates the parallelism between test stages and maintenance test stages and tries to propose a improved V model. This model make the software testing pass through the each stage of software development cycle. That can discover software mistakes as early as possible.

Reference


Index Terms

Computer Science
Software Engineering

Key words

V-model

Software Testing

Software Engineering
Software architecture
Software Development Life cycle