

Original Paragraph:

Waterfall Model:

The term was first introduced in 1970 by W. W. Royce. Many are unaware that in the original article, Royce advocated using the steady flow repeatedly, in an iterative way. The term has thus instead come to be used as the name for the methodology of following a straightforward single flow - an approach which has been discredited for use as a real world process. In real software development methodologies, the flow very seldom proceeds in a purely linear fashion. Iterations, by going back to or adapting results of the precedent stage, are common. Despite the fact that the waterfall model has never been advocated by software development methodologists it is seen to emerge naturally in companies lacking expertise and experience in software development methodologies.

A straight application of the waterfall model requires that all software requirements are established before design begins, then all the design is done before any coding starts. Once the design is completely finished, coding starts until completion. Then all testing is performed before the application is delivered. The Waterfall Model is document driven. Each step of the process yields artifacts that are documents. For example, when Requirements Analysis has been completed, there is a Requirements Document created. Before coding starts, there must be a set of Design Documents. Documents produced during one step are needed for the next step and possibly for later steps. For example, the Requirements Document is needed for design, the next step. Later, the Requirements Document is needed to ensure that the developed product meets the requirements during Acceptance Testing. [Word count = 259]

Rewritten Paragraph:

Waterfall Model for Software Development:

'The Waterfall Model' a software development term was coined by W. W. Royce in 1970. The term means using a steady and smooth flow through the different steps of software management. The flow is hardly in a straight and complete linear style in most software development methodologies. Successful software management methodologies hardly use the waterfall method, but it is often naturally seen in companies lacking in skill and familiarity with software management.

Waterfall model requires to establish all needs before the design begins. It also requires the design to be completed before the start of any coding. After the design is finished, coding starts and is carried on until it is completed. After the completion of these steps, the tests are carried out, after which delivery of the application takes place. Documents are very important in the waterfall model. Each step of every process requires documents. After the requirement analysis is complete, it is necessary to create its documents. A set of design documents is needed before the start of the coding process. Documents are necessary because the documents that have been creating in former steps are needed and hold great importance in the completion of the next steps; for instance, for designing, we need the documents for requirements, which is a former step. [Word count = 214]