

Acceptance testing Requirement System (Architectural testing Design Integration Component testing Unit -tosting generation Executable software When to use V-model? Clear and stable requirements
Defined testing phases
Low risk of changes Strict quality assurance needs Advantages: Disadvantages: Rigid & least flexible Easy to understand 2) Not good for complex projects Saves a lot of time 3) Avoids downwood How of 3) No early prototypes of defects the software orie produced



2) Incremental Process Model: Thes model combines elements of linear and porallel Process flows. It applies linear sequence in a staggered fashion as calendar times progesses. When an incremental model is used the first increment are often a core product i.e basic requirements are addressed but many supplementary features romain undelivered. The core product is used by the customer for undergoes detailed evaluation) As a result, a plan is developed for the next increment. The plan addresses the modification of the core product to better meet . the next needs of the customer and the delivery of additional features and functionality. This process is repeated following the delivery of each increment until the complète product is produced. Testing - Implementation Build 1 Design & - Developement Build 2 Design 5 Developement Implementation

Incremental Model



Advantages: DE roos are easy to be recognized 2) More flexible 3) Easier to test & debugi Disadvantages: 1) (ost is high 2) Need for good planning: 3) Well defined module interface are needed Originally proposed by Barouy Bochm, the spiral model is an evolutionary process of software model that couples the interative nature of prototyping with controlled & systematic aspects of the waterfall model. The spiral development model is a sisk driven model generator that is used to guide multi-stakeholder concurrent engineering of software intensive systems. It has 2 main distinguishing features. One is a cyclic of definition & implementation while decreasing its degree of risk. The other is a set cop anchor point mile stones for ensuring stakeholdow commitment to feasible To mutually satisfactory system solutions.
A sporal model is divided into a set of framework activities defined by the software engineering



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too example: In a library management system, phase include requirement analysis, system design implementation testing, deployment and maintenance. Once a phase is finished, it doesn't return to previous stages. When to use waterfall model? · Well undorstood requirements · Very little changes expected · Small to medium size projects · Client proters à linear à sequential approach · Limited Resources A variation in the representation of the water fall model is called the V-Model. It is also referred to as the vonfication and validation model. It depicts the relationship of quality assurance actions to the actions associated with communication, modeling and easely construction activities. In the V-model, as the team moves down the left side, requirements one re verified into detailed solutions. Once coding is done, they move up the right side, poorforming tests to validate each development phase onsuring quality at every step.



