

Waterfall model

- Waterfall model is one of the earliest models to be used in software development life cycle
- The scope of modification in waterfall model is very less
- Project initiation decides all the activities for further process
- Once the step / process is completed you cannot go back to the previous step in waterfall model
- Therefore, the waterfall model should be well defined because every output of the previous phase is the input to the next phase

PHASES OF WATERFALL MODEL



REQUIREMENT ANALYSIS

- Gather and documentation of the requirement
- The requirement acts as the foundation to the development of the application

SYSTEM DESIGN

- Create blueprint for the software, this includes architectural design, interface design and database design based on requirement
Architectural design: overall structure of the software system
Interface design: user interaction part of the software
Database Design: Data storage and management

IMPLEMENTATION (CODING)

- Developer writes the actual code on the design specification
- This phase turns design into working product
- Testing
- Once the software is developed it goes through testing to identify and fix any defects
- This ensure that the product meet the specific requirement

DEPLOYMENT

- The software is delivered to the user
- This phase involves installation, configuration and making the software operational in the user environment

MAINTAINANCE

- After deployment, the software enters the maintenance phase, where its updated and improved based on user feedback and any issue that arise