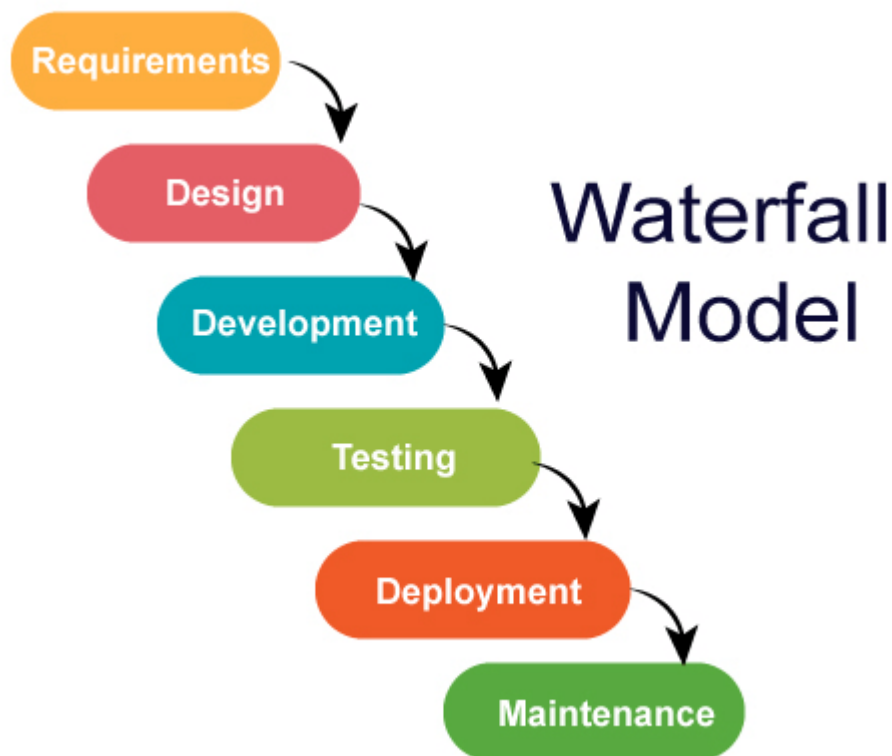# SOFTWARE DEVELOPMENT LIFE CYCLE

What is a Waterfall model?

The Waterfall model is the earliest SDLC approach that was used for software development. The waterfall Model illustrates the software development process in a linear sequential flow. Waterfall model is the oldest, safest, and easy model in the IT industry.

Why Waterfall model is used over other SDLC models?

While creating an e-commerce website, the waterfall methodology acts as an in-house process and does not need much client participation.

Waterfall model in Software development life cycle

Requirements

In this phase thorough system requirements like enhanced shopping cart, flexible return policy, mobile-friendly website, highly customizable themes, content management system, third-party shipment integration are gathered by IT specialists, analyzing of the requirement undertaken.

Design

In this phase website model is designed like graphical user interface and database Development. Suppose the customer wants e-commerce website similar to the Amazon, then UI(User Interface) of the website will be made by the designer and dataflows are also designed in this phase that how data will flow. Tools such has website, Research, Buisness, Marketing, Analytics are used.

Development

The software development team starts coding and developing the software to create the webpage. This is the longest phase of the waterfall model. Once the development of the software is completed, then the project is handed over to the testers.

Testing

The testing team will test the software, and if any bug is found such has Missing product data, Promotions and discounts not working, missing redirects, payment methods not working, slow loading imagery, then they inform the developers about the issue they found and make sure that the bug is fixed.

Deployment

Once the project is tested, the project is deployed so that it becomes live to the real-time users.

Maintenance

It involves updating the information present in the eCommerce store. It is related to your product information, price changes, product images, discounts, offers, etc.