Waterfall Model

It is one of the model that is used to develop

the software. Req, Coll and Ana Feasibility

Design Coding Testing Installation Waterfall has some rules:-

Study

- 1) We cannot go back to the previous stages
- 2) Company uses waterfall model if customer tells all the requirements in the beginning only

customer ==> software ==> -----(all req)

- 3) We can use this model only if the requirements are freezed in the beginning
- 4) Ex: Banking Software(Mobile Banking App)

Government(req 100%) ==> Mobile Banking App ==> Developers of a company

Maintenance

5) Changes in the requirements are not accepted by waterfall model

customer ==> software ==> company ==> requiremnets ==> after 6 months

- 1) customers has dynamic requirements
- 2) customers is demanding or incremnetal parts software

Agile(flexible) Model

It is one of the model that is used to develop the software.

All the problems with Waterfall model can be solved using Agile model

In Agile model we have 3 categories:-

- 1) Scrum methodolody
- 2) Kanban
- 3) Xtreme programming

How scrum can be used to develop the software in agile model?

Customer ==> requirements ==> Product Owner

PRODUCT OWNER

- 1) Collect the requirments
- 2) Identify EPIC's
- 3) Will write User Story(description about EPIC according to customer perspective) for each EPIC
- 4) For each User Story, Acceptance criteria will be written

EPIC ==> It is the functionality that should be basically developed to the customer.

REQUIREMENTS I want to login using email and password I want to send a mail I want to search for a particular mail I want to delete a particular mail PRODUCT OWNER Backlog / Product Backlog Login New Mail Search Remove

Login EPIC

User Story 1: As a customer, i want to login using valid email and valid password User Story 2: As a customer, i want to get error message when invalid email or invalid password is entered

> discussion will happen on how many user stories we shall develop

User Story 3: As a customer, i should be able to reset the password

Scrum Team is a team with dev and testers

Customer ==> requirements ==> Product Owner

