66-10-20

Software Engineering

VINCE JOSEPH S3 MCA Rou: 59

The essential attributes of a good SIW ours.

maintainability

slew should be worlden in such a way to so that it contre evolve to most the changing noods of contomers, of w changes are inevitable so maintainability is a poine allohate.

De penclubility

includes vasions characteristics, a dependable Slw should never cause any physical or economical dange at the time of slm failure, includes kange of cource lesistics whe sawity, salety, solicity etc. efficiency

()

sus application should oversure sim resources like my and Pacessor Cycle.

dy usability

· Every su application must have enough le I hesources and documentation.

FURPS codegeries

FURPS is a requirement gettering categorising technique. Developed by Hewlort Packard.

FURIS incudes

functionality: implies what an application should do.

usability; implies how a siw of would look like.

Peliability: implies now rollable as Im should be.
ie sim will feel how often etc.

Performance: impries how efficient the sim should be. (spead, mly usage, alise charge)

supportability. implies how easy if is to support
The application.

60

Nil

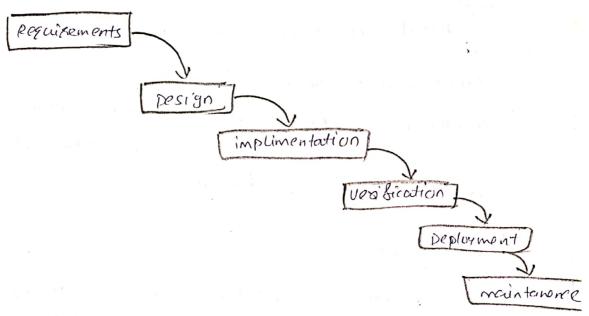
V)

Pure prodictive model

A pure productive model assumes that each stage of abusinpment is finished completely and conspectly before the next stage begins.

The best enample look pure predictive model is woder that model.

5)



Ox generally the stages mentioned above conte completed only when the immediate Pro Producesson stage is completed already.

9 Qualities of a good socilaments.

A Requirements do the Souther that an experience must provide. Also sequirements give confication must provide. Also sequirements give insight to developes at begining and quides them insight to developes at begining and guides them at developing stage and helps to verify Seatures at developing stage and helps to verify Seatures at finished stage.

The following are some of the proposties/

Clear

Clear, easy to uncless tend and concise too a developer. It may contain some abhoeviations/ technical terms which is uncless tendable for both customer and developer.

unambiguous

unambiguity of koquirements is generally trisder to achieve. Ambiguity in software requirements means that a single reader can interpret the requirement in more than one way or multiple roaders come to different interpretations.

3) Consistency

Requirements must be consistent with each other.

They shouldn't constraints that make the booksen

provide so many constraints that make the booksen

unsolvable.

(w) prioritized

for a uses & point of view, they may have much more no. of requirements to of them the actual needed and important ones. so it is nicoto actual needed and important ones. so it is nicoto actual needed and important ones. so it is nicoto actual needed and important ones. so it is nicoto actual needed and important ones. so it is nicoto actual needed and important ones. so it is nicoto actually have facilities (som the cost them.)

developing a SW will hise. Bo a developer

needs to projositize the requirements. If you've

assignal costs and projosities to the requirements, then

you can delos the high-cost poiosity requirements

until a cases repease. A nethod rawed

moscow nethod is used to projositize requirements

moscow stands by

must - M should - S could - C won't - W

3.)

vesifiable

Requirements must be vositiable at sun time, guarentee that the specific otherwise we could assume that the specific means leature has implemented. Beging verifiable means the specific means the specific mount of service and precisely the sequirements must be limited and precisely defined.

7.)

varieties of water few model

cucies few model is a puse prodictive model.

means that no not stop is started only when

cuesed stop is completed.

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water fall model

Dosign Dimplimentestion)

[De sification]

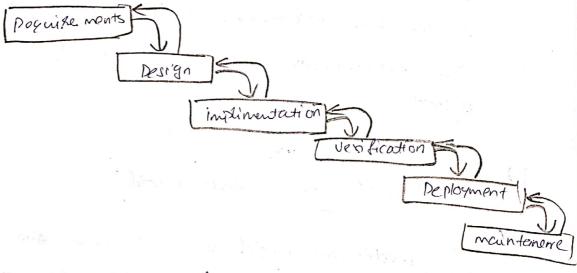
[De planmentestion]

Playment De Maintenance

you can consyout each step Persbectly.

But in realtime it is very hard. Because that model doesn't away to go back to easther steps. I had will be writing too.

so these comes the water few model with leadback. it allows us to go bock one step cheed from the allows us to go but her cuescid stege. Also it is harder to go further back words in this model than I stage.

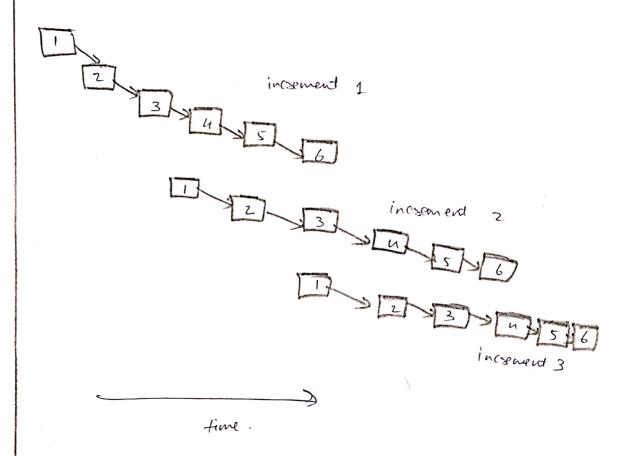


vai

incromental waterfeel

pris netrod was a series of separate water few rancoles. Each cascade ends with the water few colors. Each cascade ends with the water few was two two increment. I allies more features than the Previous Each increment includes more features than the Previous one, so your building the final application incrementary. During each increment, we get a clear puring according should con like.

The dissolvent increments overstap in time. This model is somewhat adaptive over long timeline.



The incremental approach is a method whose model is designed, imple mented and tested incrementally cutil the predict is finished. I't involves both dovelopment and maintanence. The product is finished is finished as finished when it sufficies all its segui homents.

But in Heading design, it is knowed on a cyclic process of protetyping, testing, analyzing, and he sing a product or process. Build on the result of he sing the most secont iteration of a dosign, testing the most secont independent and refinements are made.

3.