-) Debrevent like colde models are: (1) classical worterstall model. (2) Iterative waterfall model (3) prototyping model. (4) evolutionary model. (5) spersal model. (6) RAD model. (7) Agele model? I whole whole 23-07-2016 , 53 db 341 and everype carlow Distremence between process and methodology 1) A software development process how as process methodologi (B) A software development processings a much broad broader scope as compared to a software development methodalogy (2) A process usually describe all the aexistic Starting from the inception of the soltware ztis mentinance. -) It also recomends specific in ethodology sos Carring out each activity. 3) In contrast a methodology describes the Steps to copy out only a single of or alled a teer indevisual activity.

why to use a device most process: The beginnery advantage of ouring a bracers is that it encourages development of a software in systmatic and drisciplaine marmers > Adheroung to a process. is especially importent to the development of problessiona software unden requerres téam etrort: -> when a software is developed by a team rother than by a rindrivialed programmer use ob a lite cycle model is inevitable. phase entry and ent crettered. [Imp Besides clearly identitions distrement phases in the lite cycle model mormally product, a lite cycle model mormally detines the phase lentry and enrit Coriteria vos actions. every phone. of the phase entry and entit costeria is vaially empressed as a set of condettions that I needs to be satisfied bor the phase to start or to complete. -) 95 there is no clear specification ob entry and enet corrected of eveny phase and lit there is no lite cycle model is bullowed then it is very districult to chart the progress at the project.

There are dittoment somware have court model 1) Classe'cal worter trul model: The classical watersall model is the most obvious way to deviop costware D, stas not a practical model in the sence that it can not be wed in actual development at sattware projects thus we can competatos their model to be a theoretical wayy of devloping software. July to study their model? Ansi Because all other models are exentery derived toom the classical waterball model. so en order to appreciate other lete siple models we must berst leven the classical waterfall model 250 The classical wat occall made devides to leve cayour not dissense proses namely troublety study, realisment analysis and specialisation, design, coding and comet testing Integration and exeten toring and mortoname. The name of The model is Justiced by exis digramatic representation which recombles a 9 cascade of water ball.

Feasiballety Study requirement analysts and specitication. Design coating and und testing Integration and system fest Mentenance. 03 shown in the disagram the detrenent phases. Starting from the beauthably study to the entegrated and system testing phase are known as development phase: and the phase under start outless the complete ot devlopment phose is known as mentenance pros

Feasibility study: The main aim of the beasobeling study is to determent unether it would be bindistrially and teaning cally beasible to develop a product. > The tollowing activities are done in the beosrboilnly study phase. OAn abstract problem detrinetion. (2) Formulation of distenent solution startingies. (3) Analyst's of alternative salution stategies. Requirement analysis and specification: The mach arm of requerement analysis and speerbraken starte is to under stand the requerement of the customer and to document them property. -> 7 mis phase consist of two destanct activities namely (1) Requirement gothering and analysis (2) Requirement speciation. (i) Requirement gothering analysis: The goal of the requirement gothering analysis is to collect all relevant un bromatilon regarding the product to be develop, per consistent and concrete. Personne. Regulacionent and specificade rinconstent regular emonts, many heard to contilizans.

This active trees began by collecting all the relevent data regarding the product from the useas and constomers, through interview and discussion 7 9t may also contains campigrais dada. abter all ambriquetties, of vinconsult ences and in completeness have been resoured, the user requirement bus systematically organised CSRS) document Requirement specification: The customer requestionent and and requestioned and requestion of the requestion of and requestion are organised anto a special and are organised and a special and are on garnessed and a special area. The emportant component of these document are. 100 Fin cromal regularment and non sunctional requirement and the goals of 1) Documenting the bunctional requirements renvolbe the identitication of the tunctions to be supported by the system. of Each time cross can be characterized by the input dota; the processory requered on the emput data and the output data to be produced. (2) + The non-bundrianal requerment identity the pentermance requeroment, the requeroed stendard to be tollowed etc.

- Abter the SRS document received and approved by the constaments it can be treated as a contract between the development team and Ine requerement analyse's and speciticountern phase concertrate on what nee what needs to be done and casefully avoide the solution (now to do) aspect. noted to the sas document produced at the and of this phase is also called the black bon specitions + since in this document the extern is considered as ob the problem a black box whose enternal behaveloons speorbled (Input/output) and the internol details are not known. output and they are all they System. Destyn. The goal of design phase is to transform the requirement specialized in the sps document rinto a structure l'e surtable too implementation an some. boodeanend ropalmate > In technical term delowing the design phase the Sobtware aschitecture is designed took the SRS decement. -) 700 Two dettenent design approanes are available. 1) Thade tional design approch 3 Object ordented design approach

Tradeltional design opproch: -> 9t consist of two deltrenent activities DA stoughted analyst's of the requirement is corried out where the detail structure of the problem is enountined in (2) Structed design activity where the results of structured analysis are transformed into the software desum datablew drags and cothe there we are using datablew drags and cothe to pentoon structed analyses. + Structured design is understances once the Structed analysis is completed this is some hime relatered to as the saturage as antecture. object ordonted design approch, In this technique various objects occular in the problem domain are birst identified and various relationship that emelst among the objects are. identitied. The OOD approch have several benelous such as lower domapment time and extent and wetter mentamouselity of the product. Coding and untit testing During the's stage the Software designed is realised as a set of programs as program units -) It is also known as implementation phase 7 chort testing anvolves werebying that easy

unit meets et specitication

-> newson The reason behand the untit testing is that the other modelles with which this modelle has to be zotested. Interstaced may not be soo sody Integration and system testing The Endervisual program words as programs are integrated and tested as a complete see system to ensciose that the software requirement have. been mess met -) Generally the integration is considered out incremently over a number of steps and binaly when all the modules have been successfully integrated and tested. The system testing is carridad. -19+ consist of three distenent winds of testing activities. (1) Alpha testrong (d-testrong); st is the system testrong perpentioned by the development team. (i) B-testrong. It is the system testrong. penbormed by a bozondly set of constomor, pentermoned by the customer etself atter the product is delivered. Based on the result, the customer may never of accept the delivered product

Macin tenance: - maintenance of a typical. Software product requires much more extract than the ettorts necessary to demap the product exsect which is noughly on 40:60. -> Maintenance z'ovolbes pentoomzog and on 06 the bollowong 3 kinds of donvities. corrective maintenance: there are there errors are consected that were not phase. phase: pertective marin tarnance: > 7hese Here the tunctionalities of the. System according to the customer negurrement are onhanced e Adaptive maintainance; Here the software is ponted to work in a new environment sor en! porteng may be regulated to g et the software to work on a new computers platboom or with a new operation, system.

Shoot-comonys preambacks of classical watersail 7. Though it is a very sample and useful model et sutsers bean several stoost-commes. IT No Keedbook path: The classe cal water our model is idealistic on the sence that it assumes that no error es ever commetted by the developers during any of the like cycle phases. Therefore. it doesnot en corpo rate any mechanism sor contrary to the bundamental assumption made by abscical waterfall model, the developoss do commet as large no ob ersons in almost every activity they carry out delocing various phases of litelyde. These detects usually get detected much latter later in the lite cycle !!! 27 Districult to accompatate charge request: This model assumes that all distomers requirements can be completely and correctly debined at beginning of the propert, but it is hard to denive this even in rideal project Somenicos. Con Scenancios. 740 customos. requements usually neep on onemying with time but these unable to accompate and Changing reachest 37 Inestricion correction: 47 NO over lopping of phones.

This moder recommends that the phases be Carried out sequentially and a new phase. can only start abter the completion of the. previous phase but hardly it is possible to obey such recommendations because 24 leads to have a large numbers of team members to carry aut a pastricular phase.