

CSE471

System Analysis and Design

Assignment: 01

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Anignment 1

40.01

For Diteel Mill company, in my opinion, Agile software development methodology will be best suited as por their situation There are reveral approaches to agive development including Extremal Programming (XP), 5 chum, and Lynamic by Herry Levelynest nethod (abam). We will mainly take Extreme programming apphoach under Agite Nethodology for bitel Mill Company.

Explanations

(ii) As the smill company worst be able to provide detailed reconstruments because

of lock of technical person, so it will be better to une Agite Menthodology as. much of of the modeling and documented do cumentation overhead in climinated An Extreme Programming(XP) project begins with wer stories that discribe What reids to do with start details. Then, programmen call in small, simple modules and test to met those needs. Dos mill company won't be affected due to this lackings of theirs.

(ii) Anothy held to build this system in a shout time, Extreme preorderming no quite suitable as thin approach takes an extreme approach to iterative

development when vorsions may be built are parent times boy gar. Increments are development and the course are motorous to another to another to consist the months of a adopting to course to the course to another to to anoth

(in) Anothemill company will provide manpower to collaborate with development team, Agile methodology in portectly suited for them. How, much emphasized in put on customer rootstatedom and deamwork. Communication, simplicity, Leedback and courage are core values Developous communicate with customin and dellow personamoners. Early and frequent testing provides feedback and developers are able to countegeous, Herpand to changing requirements and technology.

(uv) In Extreme programming approach. Handards are very important to minimize contasion, 50, XP teams une a commonnet of harmen, descriptions and coding practices. MP projects deliver rusutts sooner than even RAD approaches and they rarely get bogged down in pathening requirements for willie the system. This is quite effective for them as they lack technical skill and have shouttime (2) And, lastly on they they want to provide good budget for purchasing developing tools. Agite methodology will be quite fluitful for them on how, the development team focus on adapting to the current business work Euristo ment.

N0.02

Diffounces between Prototyping and : Englitheray mounding:

prototoping

engertotary execusional

budgatabina gamo vyvongas time to deliver.

THOU THOU away time to deliver as prototypes do not become final voision

Portformance in complexpression Portformance in complex in quite poon.

- projecto in orbite excellent

portonnosa with unfamilial portonnosa with technology is anite poon.

unfamilian technology in excellent.

Urun are actively involved in can of prototyping.

Unevocus votactively involved in can of throwarray prototyping. In this case, I would to un throwaway phototyping' mentho do logy which is one of the RAD methodologies. Reasons the behind this preference of mine are provided belows

(4) As the redail store in a large chain reeds to store data in each store and would exchange data with a mainthame computer the system has to would be complex and oredo seelighility, throw away prototyping portamo excellently than any other on most often available methodologies.

Them minimo and themsections, the system has to be reliable, Throwaway prototyping outportorms other methodological for this care.

we reed to will the system as evicely as possible because we will have to prevent the for system installation and also needs to maintain a maintagem computer Because of this reason, Throwaway prototyping in for preferable as it is the both reliable, stable and quicker mathodology.

(M) Throwaway prototyping balances the benefits of well-thought-out analysis and design phones with the armitages of ensing prototypes to rufine Vey insur before a system in built. It may take larger time to deliver I california maters night material materials of (became the prototypes do not become final approach usually produces more stable and reliable systems.

So, due to the above mentioned recommons, I would use two way prototyping. For this con.

meles regard to exist up from all the start of

In this care, I will refun to switch from Waterfall development methodology to prototyping, my refutations will be, (ii) Ano the project in large and complex, Matarfall genelobuses in petter unite o for this project, as, Water fall divelopment preshodology, it needs to bean approval from the committee and project spomon from moving one phone to another. It in quite helpful to go through such Higo Howithy for a complex Project.

(ii) While waterfall development methodologies have the advantages of identifying the requirements long before programming begins and limiting changes to the reaccircements as the project proceeds and moves from one phase to another only if the previous phone is completed, prototyping portoums analysis, design and implementation phases concurrently in order to quickly develop simplified version Of the proposed systems. And no, waterfall no bartarable to brotatation or marjor problem with prototypingistrat its quick system releans challenge attempts to conduct corrected metro do logical gralypin. Other

the prototype goes through outh significant charges that many initial design decisions becomes poon ones. This can cause problems in the development of complex systems become fundamentals is sues and problems are not successfized until well into the development phoon.

(2000) Even though it may runns that prototroins will portourn excellently with unclear out will with unclear out out when the prototrois, they are much terror, oin a the early prototropes that are built would only only ochech the rundace of the new technology. It In usual consocities only after reversal prototropes and revenal months that the developers discover weakness on the developers discover weakness on problems in new technology.

Even though, projects can be delivered bruch earlier than we is following prototyping methodologies, but, in can of large of complex system, customers have much on enough time and they often priotize reliability, stability for their complex system.

Due to the above mentioned relamon. I will refur the reasoning, I hope I and through these reasoning, I hope I will be able to manage permissions to 90 on with waterfall materials.