Assignmend -I

Software Engineering Management

ISEUIT154

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Question Os-

Introduction:

The agile methodology originated in the software. Chevelopment inductary, as a new way to marage. It all stoarded in the spoing of 2000, when a growth of 17 software development, including Markin, Fowler, Jim Highsmith, Jon tean and Bob markin met in Gregon to cliscular how they could speed up development times in cardon boing troing new Software to market factor.

In 2001, the manifects from Agino Software Development was considered and figured lay representing forum Exclavation programming, screem, Disting, Adaptive Software development, crystal, Featwoo-Driven Development.

These coalway represent a significient bound through in the history of Agille, but the goldwide doll stop here. To give even more color to their vision, they also laid out 12 parinciples that stand barind those value. Those principles includes

"I Satisfying courance through easily and continous delivery

ii) welcoming dranges at any point

The main Agile Mangeots - 4 walus:

- i) Individual and Intermediate over procesp and tools.
- ii) working sastroaxe over comprehensive documentation.
- illy customed collaboration over content regoliation
- iv) Responding to change own bollowing a plan,

The dament concludes that "while those is called in the items on the eight, we have the Heme on the leme

History of Agile ?-

1970: waterfall model was wasted and developing

1991 & Scrum corceived.

1995: SCRUM collegical and put into use 2001: Agile maisselve coexted.

The agile manged - 12 pricipe

- O own highest priority is to Salieby the wellow en through easily and continous delivery of wallable softward.
- Welcome changing requirements, even late in development. Agile process houses change for the cuelomes's competitive advantage.
- (3) Deliver woodsing Softwood boodway boun a couple of months, with a couple of months, with a proper so 10 the Stander Line Scale.

- (4) Business people and develop cons must uscale together daily throughout the powject.
- Build project around mobilisted individual crien the the envisionment and supposed they need and tourt them he get the jet done
- 6) The most absident and abbeiling method of conveying information to and welthin
- To working sophicase in the primary measure of progress
- B Agila maces promoto subspec development, the Spansors, development and wears should to able to maintain a constan pare indevants.
- good design entrace agibly-
- @ Simplicity the out of maximizing the amond of wood not done is essential.
- (11) The local anchitecture, regimement and doings emerge sound seed organizing teams.

(12) At sugular intervers, the tearm vefocts on how to become more affective, then these and odjusts its behoviour oracordingly.

Unlike worderfall model. Agille approaries itealahir development as building Software in pieces. Agille teams typically woods in Shoot cycles - which also collard "sprints" in Erron, to day one of the most widly used from of agile - that usually least the veelop each.

Agile transformation - The agile townspormation definition is as an act of transforming on congounization from your natural generalization one that is above to embource and thrive in a fraction collection, self conganizing, fact changing encironant.

Question @ 3-

(1) RAJ-SDLC model :-

RAJ-Rapid Application Development model is based on protohyping and ideocative development with no specific planing involved. In RAD model, these is less attention paul to the planing and more priority is given to the development that.

Its tooget at developing a suppression a short span of time.

what is PAD:

Rapid application development is a substance development methodology. It as user minimal planning in Basson of autical prohotyping. A pustokiping it a woodling model that is Burchiorally activation to a component of the product.

RAD projects ballow iterative and incremental model and have smalls teams compositing of developed, deriving a developed on their aspects, constances supersentatives and other IT response upporting progressively on their component on prohypo. The most imposition aspect for their model to be succeeded in to make succeeded in the succeeded in the model.

Development phases of RADS-

- -> Business modeling
- -> Data modeling
- -) Process modeling
- -> Application generation
- -) Tocking and two noved.

Fi gouses on input - output sources and deshination of the information. It emphasis the delivering project in small places. The large project one divided into a socies of smaller project.

Business Modeling 3-

On basis of the Blow of information and distailbution between warious business. Channels, the product is designed. In the table of the flow of information and distautation between warious trueiness channels, the product is designed.

Data modeling e-

The information collected form touriness modeling is sugained into a set of data object that are significant from the trusinesse.

Proces modeling?

The date object that is chalcool in the date modeling phase is burreformed to

adrive the information blow necessary to imprement o business Burchion.

Application generation :-

Automated tools voic wood gove the constaction. In the Sabilians, to converil proceed and date middle into prototypes.

Teshing and Two racosts

As prototopo asso in chiciclustes testad during essay iteanson, to ovacual techno time is reduced in RAD.

Advantage and Disadleon tage :-

Adjointuge 3-

- (1) Flexible and adaptive to changes
- Dit is useful when you to return overall project wist.
 - 3) It is bloxible and bloxible to charges.
- (4) It is acción no townsen delivernables of Soutes , high leavel substanction and intermediate (ade area used.
- (5) Due to prototyping nation. Inow is a possiblity of leesen. departs.

Disadvantage :-

- 1) Not all application is compatible with
- @ when technical Misk in night, it is not Suitable.

- 3) Reduced Beatives due to time bearing, whole Beatives were pured to a later reaction to Girish a release in Shoot peakod.
- 4) Prograss and Problems accustomed one hand to track as such there is no discoment to demonstrate what has boom done.
- (5) Requisors higher skilled designed on developers.

Stages and technique enables

Baston and easier prototypes

which one than weed to depend

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- 3) Different stages of application development can to reviewed and repeated as the approach is iterative.
- (1) Easier to accordable derges
- 6 It involves minimal documentation
- fo Separate small teams can to accigned he indicidual modules.

Traditional SDLC3-

- 1) Stradood methodology and well-defined stages
- 3 Fallow a prediction, inflation and owigid opposed.
- 3 Actolying is difficult and succeives more
 - time and egoet.
- 4 limited wishened foodback
- The uso of powerful and officient hools required uious highey skillard professionals.