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Anstothe question no. 1

1.1 C

1.2 d

1.3 d

1.4 a

1.5 d

1.6 d

1.7 a

1.8 C

1.9 d

1.10 b

Ansto the Qno. 2 True (False

1. True

6. True

2. True

7. True

3. False

8. False

4. True

9. True

5. True

10. False

Ans to the question no. 3

D'suppose you one working as. follows chairm.

the most important characteritie of my software is: maintainability dependability security efficiency and acceptability are most important characteritie in a company for a software engineer.

There is a fundamental differentee between the user and the system requirements that mean that they should be considered sependely.

a the usen requirements are intended to describe the systems function and features from a usen perspective and it is essencitial that usens understant this requirements.

the should be expressed in natural.

The should be expressed in natural.

Language and may not be expressed in language and may not be expressed in language and may not be expressed in plemantability great deal; to allow some implementability.

flexibility. the people involved in the process must be able to understand the users environment and application domain.

b. the system nequirements an much more detailed than the usen nequirements and are intended to be aprecise specification of the system that may be a paint of a system contained. They may also be used in situations where development is outstanded and the development is need a complete specificitation of what should be developed after usen nequirements one discloped after usen nequirements have been established.

Sow how objects iteract to pohomethe behavior of a penticular use cesse on a pant of use case. Along with sequence tragners collaboration are used by diesigner to define and o clearly the

the penpose of collaboration Diagrams unlike a sequence diagram a collaboration diagram shows the netalations among the Objects. sequences diagram and collaborate digorams express similean information.

but show in the different was

* model collaborations between object and notes that deliver the functionalities of use cases and openationa.

* model meahanisms withing the Onehitetunal design of the system

* support the Indentification of object that penticipate in use cave.

A Each massage in a collabonation diogram how a sequence number.

massage passing between objects and notes within the collaboration.

Ans to the Question no. 4

Requirement Engineering is the process of defining, documenting and Maintaining the requirements.

i. Requirements elicitation

ii. Requirements specification

iii. Requirements vanification and validation

iv. Requirements management.

Requirements Elicition: It is related to the various ways used to gain knowledge about the project domain and requirements.

Its Requirements specification: This activity is used to produce formal software requirement models.

It Requirements vanification and validation:

variotication: It neters to the set of tasks that ensures the the software their build istructable validation: If refers to a different set of tasks that ensures that the software that has build is traceable to customer requirements.

It Requirements monagement:

Requirement management is the process of analyzing, documenting, tracing, prioritizing analyzing on the nequirement and contriling the communication to relevent stockholdens

in Extreme programming, trequirements

errue expressed as scenarios which othe

implemented directly as a series of task

Advantages and disadvantages of

Extreme programming user requirements

Advantages

If Scenarios cope with most of common openation, it is easy to identify what type of openation that is required in the users stonies.

increase the chance that the software produced will actually meet the needs of the users.

Disadvomtage:

1. using seenanios on a earld earn bring to a function overlooked on memors omission which earn be a timeeonsumming process to complete the system.

2. Two different souscenario ear lead to the same function as 9t will be conflicted each other. crossing out tredundant scenarios can be a comben some tasks.

business strategy for a rumbon of reasons there is rearrely a complete specification of the legacy system. The original specification may have been lost. It a specification exists it is unlikely unlikely that incomponent details of all of the system changes that have been made. It may not be delivered on time and for the prime

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Ans to the Question no. X

The software dependability is important inmost sociotechnical systems for following reasons;

Its To avoid the introduction of accidental ennous into the system during software specification and dvelopment.

That one effective in discovering nesidual enrons that affect the dependability of the system.

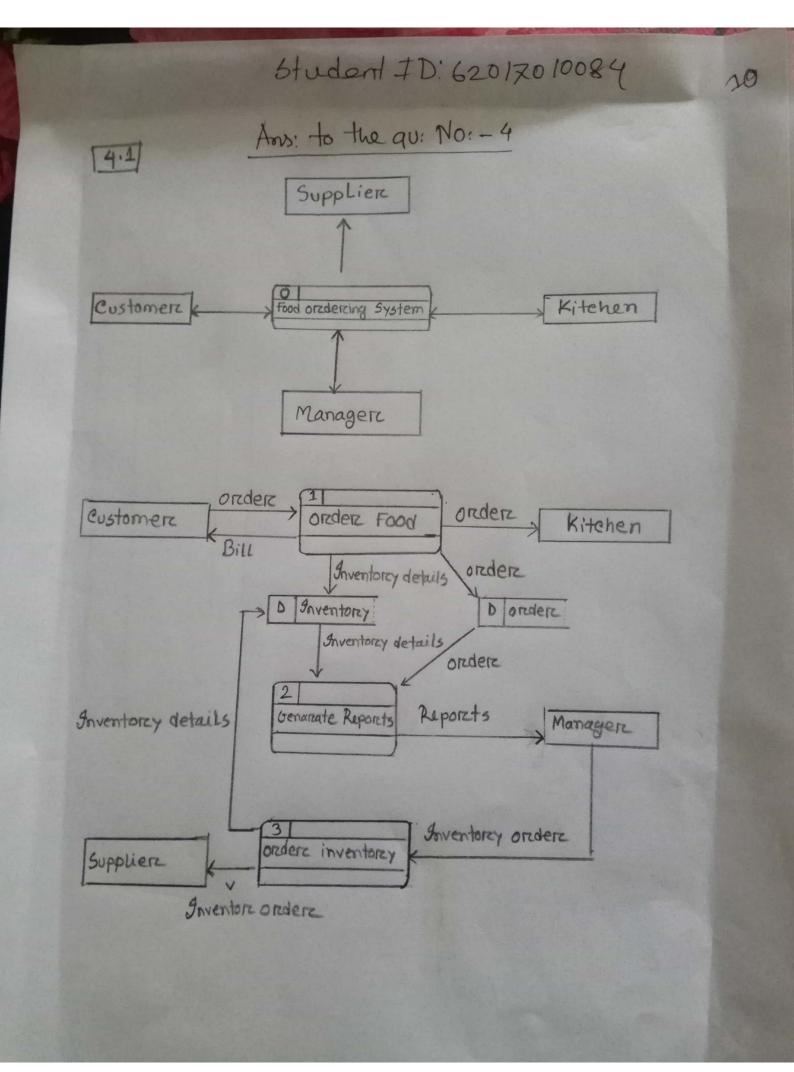
THE To configure the deployed system and it's supporting software connectly brits operating environment.

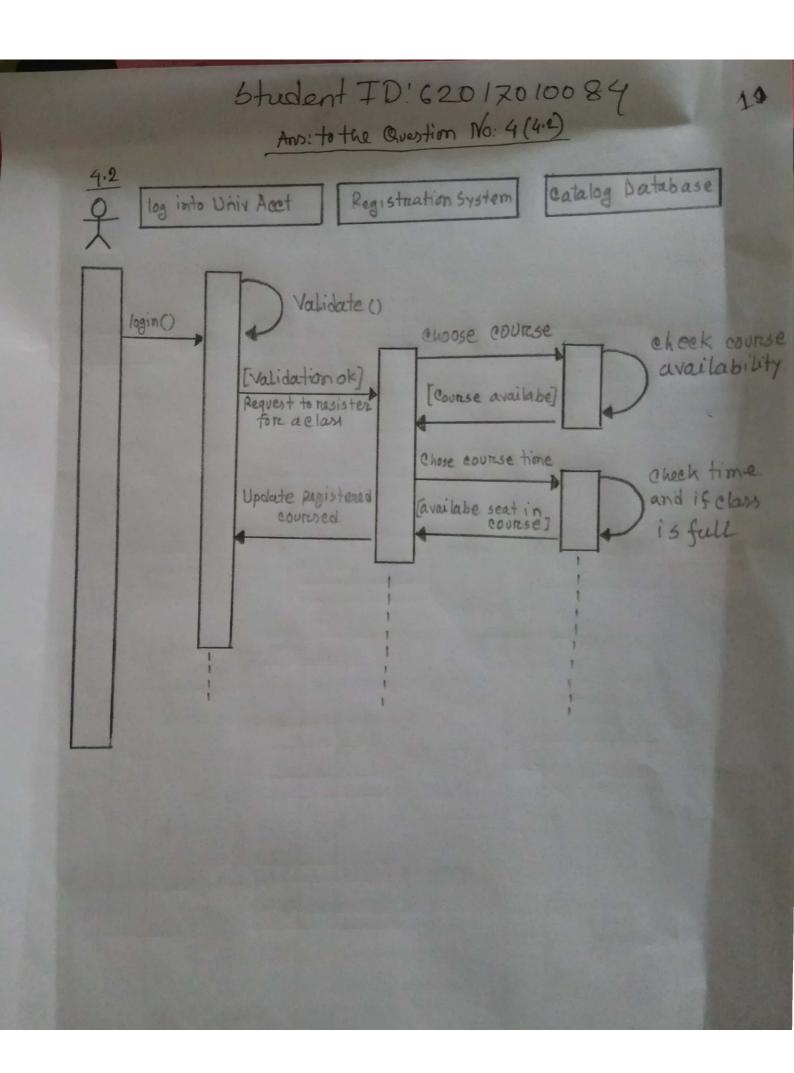
IET 5 jet en failure costs may be enon noue

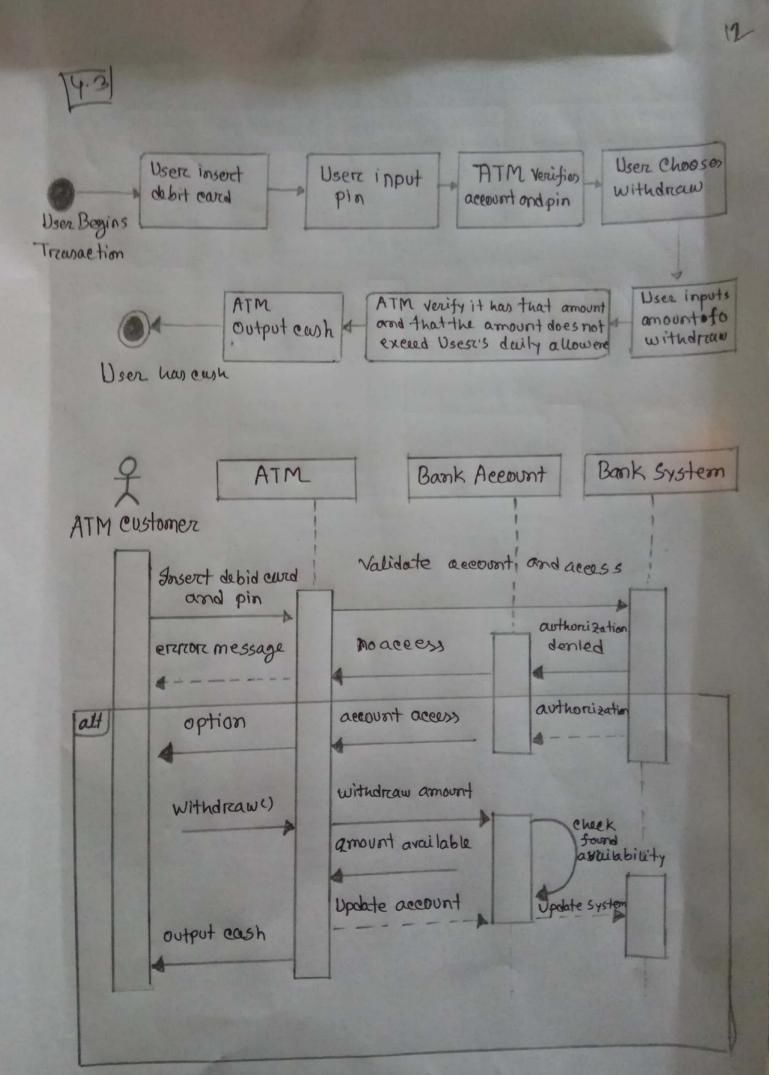
Its Usens often reject systems that are unreliable, unsafe or insecure.

Anstothe Question no-8

Isn No.	Key	Association	Aggregation
1	Definition	Association netens to "has a" nelationship between two classes which use each other.	Aggregation nations to "has a" + nelation - ship between two classes where one contains the collection of other
	Flexibility Linkage	Inflexible in notune. Linkage is needed to maintain association	Linkage between
	UML	Lines are used to represent agsociation	Diamond shap next to assembly class is used to represent the aggregation relationship







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