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SUBJECT :- SOFTWARE ENGINEERING

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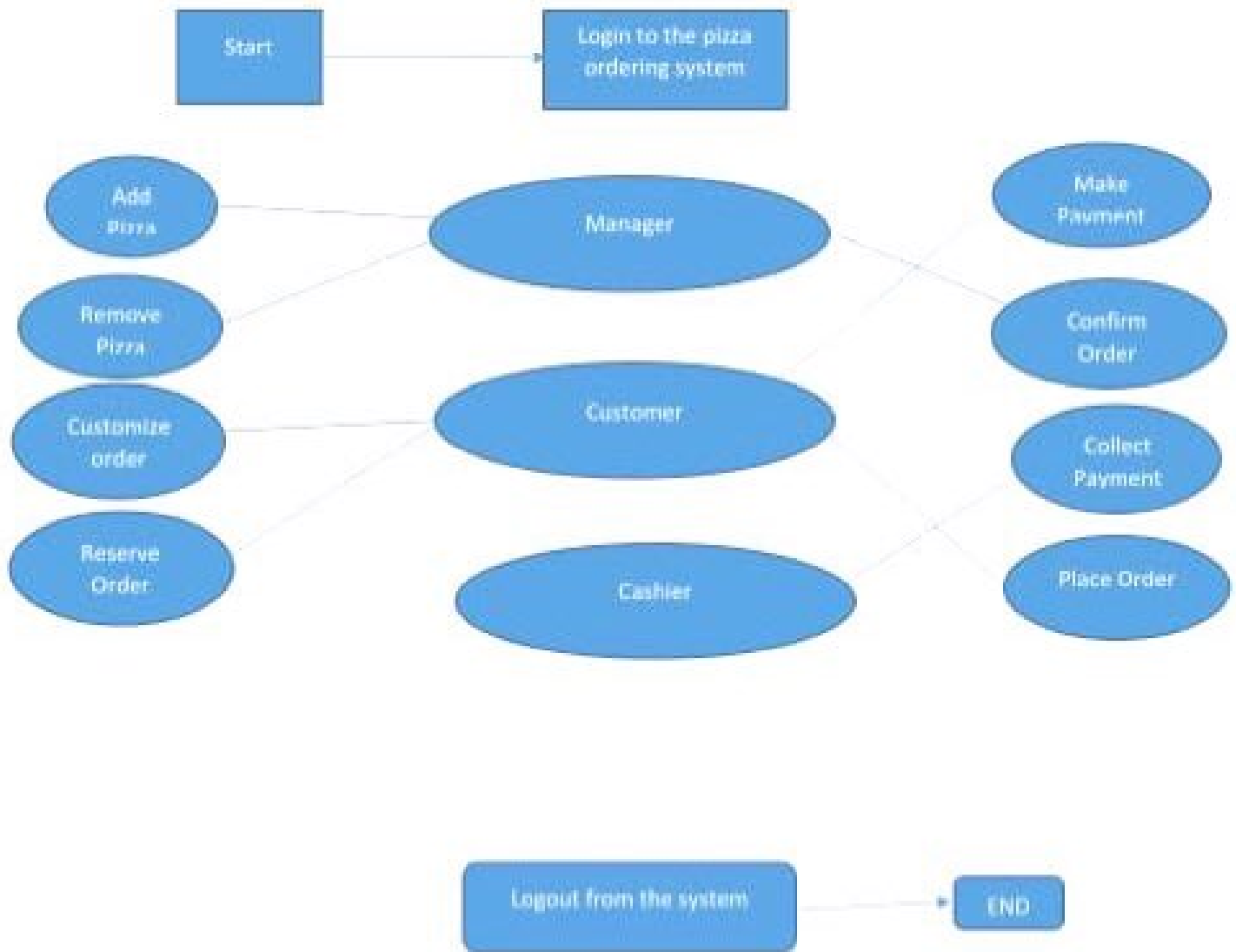
Question: 1

The Pizza Ordering System

The Pizza ordering system allows the user of a web browser to order pizza for home delivery to place an order a shopper searches to find items to purchase adds items one at a time to a shopping cart and possibly searches again for more items

When all items have been chosen, the shopper provides a delivery address, if not paying with cash, the shopper also provides a credit card information.

Ans:



Q2 Ans:-

The process of establishing the services that the customer requires from a system and the constraints under which it operates and it is developed. The requirements themselves are the descriptions of the system services and constraints that are generated during the requirements engineering process.

Functional requirements describe the system what it will do.

Non-functional requirements describe the expectations but it is not concerned with the system.

While drawing up a system requirements specification, an engineer might keep track of the functional & non functional requirements by ensuring the following

User requirements:-

Statements in natural language plus diagrams of the services. The system provides and its operational constraints written for customers.

SYSTEM REQUIREMENTS:-

A structured document setting out detailed description of the systems functions, services and operational constraints. Defines what should be implemented so may be part of a contract between client and contractor.

Here the non function requirements defines what the expectation to get out are and the end user requirement.

The functional requirement defines the use of the developer knowledge. It does not conflict with each other. It have ideas.

The first step is to make systems requirement document.

It is an engineer who is responsible to prepare documents to each function and non-function requirement.

The engineer needs to prepare document depending on this non-functional requirements needs the natural language and functional requirements needs the structured language to understand better and make software better.

* It gives the matrix that shows each requirement is related to each other.

* It is very difficult to manage because the functional and non-functional requirements puts efforts with each other on track of relationships.

* Non functional req linked with functional req to list and identify the system that have related to each other to save time.

* The engineer needs to prepare a way to link a functional & non functional req to implement on it.

* The functional requirements enforced the non-functional req to be recorded and tracked.

For example:-

The user need to search for the candidates listed for interview.

It is a functional req: That search should return all the list of a candidates who are attending the interview. It is a non-functional req.

Therefore it helps an engineer to do not overlap it that relates to each other.

And it keeps the relation b/w functional and non-functional requirements.

Q3 Ans)

It is difficult to introduce several agile methods or simply agile methods into large companies or sales for a numb of reasons.

1) Project managers who don't have experience of agile methods or agile tool may be enable to accept the risk of new approach as they do not know how and where this will effect their particular projects

2) Large organization or companies often have quality procedures and standards that all the projects are expected to follow because of their working management nature, these are incompatible with agile ^{process}

Sometimes they are supported by software tools e.g. (requirement management tool) and this tool use is mandatory for projects.

3) In agile methods work when team members have relatively high skills level than the customer. However within an organization they are likely to be a wide range of skills and abilities and people with low level skill do not be team member of agile method.

4) There may be cultural resistance on agile methods, specially in those organizations that have a long history of using conventional system engineering processes to have high skill level team members.

Changes in management and testing procedures are example of company procedures that are not or may not of agile method. Change management is the process of controlling changes to a system. So that the impact of changes is predictable and may not be compatible for agile method and costs are controlled. All changes have to be approved in advance before they made and this conflicts with the notion of refactoring. In XP any developer can improve any code without getting external approval for large systems. There are also testing standards where a system build is handed

over to an external testing team. This may conflict with test first and test often approaches in user xp.

(Q or Ans) In this first case. if a person have no credit card. Then what do if he will go to there where he left the card or others. What's the process of cash.

What if the person choose wrong destination? So he can go back in option or other else?

Is there a cancel option to change the destination or any other opinion in his mind?

Is there voice for blind who can't read?

Question 5:

Answer:

ATM System

