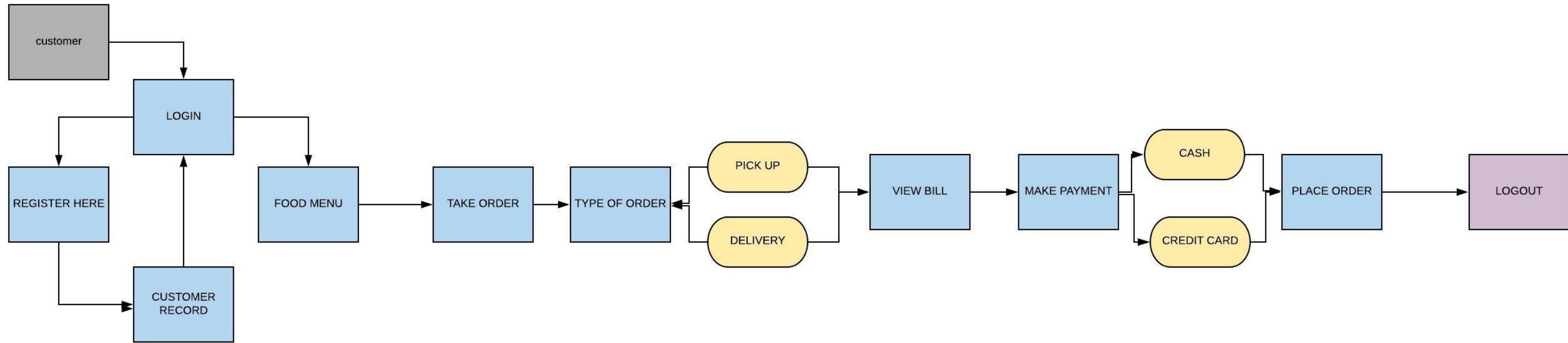


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Q1

PIZZA ORDERING SYSTEM



Q2) Suggest how an engineer responsible for drawing up a system requirements Specification might keep track of the relationships between functional and non functional requirements?

Answer:- Engineer would have to make a Systems Requirements Document. A engineer could provide documents for each functional and non functional requirements. The engineer should use natural language for non-functional requirements and Structured language for functional requirements. The functional requirements are more for developer's eye and to use. The non-functional requirements are what user wants and what they expect to get out of the software being developed. The engineer would also have to make sure that the non-functional requirements don't conflict with the functional requirements.

Question # 3

Answer:

Diffia Difficulties

1) Less predictability

For some software deliverables, developers cannot quantify the full extent of required efforts. This is especially true in the beginning of the development life cycle on larger products. Teams new to agile methodology fear these unknowns. These fears drive frustration, poor practice and often poor decisions.

2) Greater demands on developer & clients :-

These principles requires close collaboration and extensive user involvement. Though its an engaging and rewarding system, it demands a big commitment for the entirety of the project to ensure success.

3) Lack of necessary documentation :-

Because requirements for software are clarified just in time for development, documentation is less detailed. This means when new members join the team they do not know the details about certain features or how they need to perform. This creates misunderstanding and difficulties.

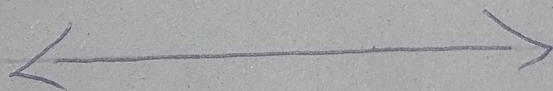
4) More Time and Commitment :-

All involved in the project must have close cooperation. Daily users need to be available for prompt testing and sign off on each phase so developers can mark it off as complete before moving on to the next feature. This might ensure the products meet user expectations. This demands more time and energy of everyone involved.

(5)

151 Project easily off track :-

This method requires very little planning to get started and assume the customer's needs are ever changing - with so little to go on - you can see how this could limit the agile model - Then if a consumer's feedback or communications are not clear a developer might focus on fixing it - it also has the potential for scope creep and an ever changing product becomes an ever - lasting one -



Question #4

Discover difficulties/ambiguities or omission in the following Statement of requirements for part of a ticket-issuing system:-

An automated ticket - - - - -

Answer :-

Ambiguities and omissions include:

- * Can Customer buy several tickets for same destination together or must they be bought one at a time?
- * Can Customers cancel request if a mistake has been made?
- * How should the system respond if an invalid card is input?
- * What happen if Customers try to put their card in before selecting a destination (as they would in ATM machines)?
- * Must the user press the start button again if they wish to buy another ticket to different destination?
- * Should the system only sell tickets between the station where the machine is situated and direct connections or should it include all possible destinations?

Q5) Using your knowledge of how an ATM is used, develop a set of use cases that could serve as a basis for understanding the requirements for an ATM system.

Answer

Procedure:-

- * The User inserts card into the reader. The ATM asks for pin - User enters PIN correctly.
- * The ATM display user bank's information and user click on withdraws cash - And then he select how much money the users wants to withdraw -
- * When he choose the amount of money and click ok - He is done with the procedure -
- * Now the ATM first eject the card than dispenses the money and receipt -

2nd Case:-

The User insert card into the reader. The card cannot be read. The ATM display the error and ejects the card -

(8)

3rd case.

- * The User insert Card into the reader - The ATM asks for PIN. User enters PIN correctly 3 times - The ATM hold the Card and did not eject it to User and alerts bank for possible stolen Card -

