Q-:08) What is a requirement?

the features, functions and tasks that need to be completed for a project to be deemd successful.

Q-:09) Describe the 4 categories of requirements.

business requirement

user

system → functional

→ non-functional.

01) Business requirements-:

* we can't link with each other business requirement.
* define the overall goals of the system and

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help clarify the contributions it will make to the organization's success.

* ex:- supermarket → currently they don't have online service but they wont develop online service.

online service requirements :-

- increse profit
- increse no. of sales
- increse customer base.

02) User requirements :-

* accept by each and every requirement.

user → customer
user → admins (owner, management)

* user requirement are the expectation or the thing each and every individuals going to do.
* what the user actually needs to accomplish with the system in order to fulfill a needed job or task.
* ex:- online sales system →
  - place order.
  - compare the product and prices.
  - make online payments.
  - search products.

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* ex-: expectation for admin user→
- add products.
- update the products details.
- review orders.
- sign up to the system and login to the system.

03) System requirement-:

i) functional requiremet-:
- the behavior of the system.
- data requirement.

* define how the system will support the user in completing a task.

* ex-: login → system requirement.
- user name and password.
- validate the user by comparing with the database.

* ex-: signup→
- system should collect user name, password, email address, NIC address
- validate the data enter by the user.
- then data should update user database

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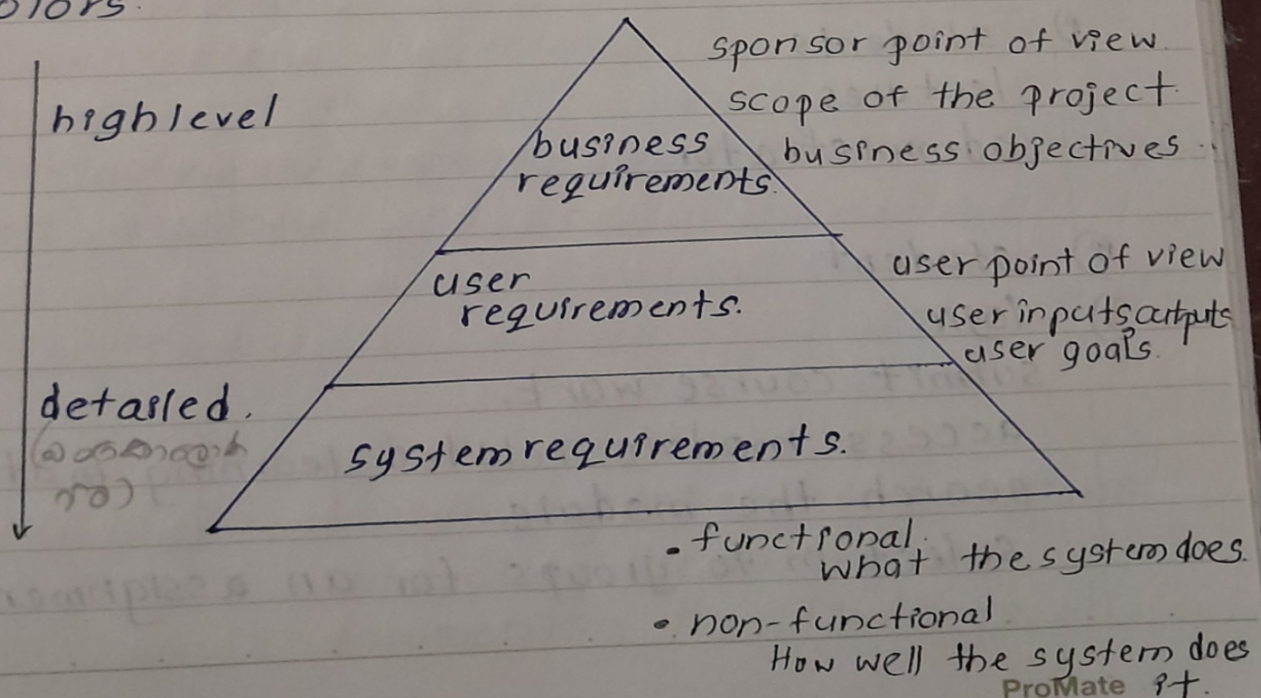
ii) non-functional requirement:-

* the characteristics what of the system.
* Types of non-functional requirements:-
  - performance.
  - usability
  - security.
  - maintainability.
  - portability.
  - reliability.

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