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Aim! - To study software Requirement Specification:

Theory :-

What is SRS ?

A software Requirements Specifications (SRS) is a document, which is used as a communication medium b/w the customers. A software requirements specification in its most basic form is formal document used in communicating the software requirements b/w the customer and the developer

to be done and carefully avoids the solution (how to do). It serves as a contract b/w development team and the customer. The requirements at this stage is written using and user terminology.

* Purpose of SRS: SRS is a communication tool b/w

Customer/client, Business Analyst, System Developers,

Maintainance teams, It can also be a contract b/w

purchaser and supplier.

The will give firm foundation for the design

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- Supports project management & control.

- Helps in controlling & evolution of system.

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A software Requirement specification should be Complete, Consistent, Traceable, Unambiguous & Verifiable. * Features of a good SRS document '-1) Correctness !- User review is used to provide the accuracy of Requirements stated in SRS. SRS is said to be perfect if it covers all the needs that are truly expected from the system 2) Completeness: - SRS is complete if, and only if, it includes a) All eler essential requirements, whether relating to functionality; performance, design, constrainte, attributes, or external interferces. 2) Definition of their responses of the software to all realizable classes of input data in all available categories of situations 3) Consistency !a) The format of an output report may be described in one requirement as tabular but ip another as textual. b) One condition may state that all lights shall be green while another states that all lights shall be blue.

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4) Unambiguous ! SRS is unambigous when every fixed
requirement has only one interpretation. This
suggests that each element is uniquely interpreted
In case there is a method used with multiple
definitions, the requirements report should determi-
ne the implications in the SRS so that it is clear
and simple to understand.
The state of the s
5) Ranking for importance & stability!
of marriage of trapertaine of stability.
6) Modifiability
7) Verifiability
8) Traceability
al Backward Transability
8) Traceability a) Backward Traceability b) Forward Traceability.
The state of the s
9) Design Independence.
2) Design that pendance.
10) Testability
11) Understandable by the cons customer.
the competition of the competition.
12) The right level of abstraction.
The sight to the second of the
* The essential properties of a good SRS docum-
ent:

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Concise: SRS report should be concise of at the same time, unambiguous, consistent, of complete.

Structured: It should be well-structured. A wellstructured document is simple to understand and modify.

System should do and refrain from starting how. to do these. This means that the SRS document. Should define external behavious of the system.

FURPS!

Functionality

Usability

Reliability

Performance

Security

i) Usability - Ux, Human factors, Aesthetics, Consistency
1i) Reliability - Availability, Recoverability, Stability.
1ii) Performance - Speed, Efficiency, Resource
Consumption.

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* Components / content of SRS:		
SRS must address -		
- Curating address -		
· functional Regul rement.		
· Performance requirements		
· Design constraints.		
· External interface Requirement.		
· Project Management		
- Curalitaria Carali Nat		
· Functional Constraints		
	01	
conclusion' In this way, we studied so	oftware	
requirement specifications.		
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