

SOPTWARE ENGINEERING

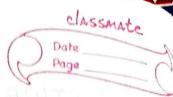
Requirement Analysis & Understanding the sys. from an Analyst.

The person who is responsible to listen to the clients and documenting the under--standing so as the client & the develop--ment team would be able to work further on that project. This person is known as Analyst or System Analyst.

Other than collecting the requirements & documenting, the hole of analyst also includes communicating properly with the team that will be responsible for initiating the development of the project

The role of dualyst also includes identifying & eliminating issues. I related to anomalies, inconsistency and incompleteness that may have srised during the interaction with the client or the development team members

SRS -> by Analyst -> Sys. Reg. Specification

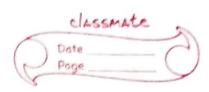


This document prepared by the system drawit is the initial part of SRS (Software Requirement Specification). The imp parts of SRS documents are: is) functional requirement of the system coding part ii) Non-functional " " iii) youls for implementation to client's requirement Functional Non-Functional Groals. abetract design characterístics client's req. document document

IF Properties of SRS document

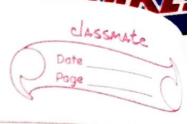
i) Concise: The SRS must be consistent, complete and unambiguous. shouldn't contain any urrelieur

information that may lead to error



ii) Well- Structured: The doc. must be wellstructured such as that it should be easy to understand & modify. iii) Black-Box View: The doc, is not supposed to contain Cincluding designing, coding, testing or deployment details) under this property, the SRS will discribe external misible behaviour of the System. in) conceptual integrity: The user can easily understand & instructions written in SRS. v) <u>Merifyable</u>: The informationpresent in SRS must ve correct & accepted Nú) Respons to undesired events: SRS must

actions of response that need to be initiated when the sys, will face exceptional conditions



Decision Tree

A decision tree gives a graphic view of the processing lagic involved in decision making I the corresponding action taken The edge of a decision tree represents condition I the leaf nodes represents the actions. The actions are performed depending on the outcome of the testing condition on the outcome of the testing condition automation system which should support the following:

i) new-member, ii) renew, iii) cancellation

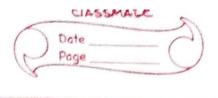
-> Options for new member

Deckelon

when the new member option is selected, the software asks the details about the member (name, add, contact no etc)

Action

If persper information is entered, the membership record is created & the fayment details (membership charge &



security deposit) are printed.

> Renew membership

Decision

If the henew oftion is chosen then the software asks for member's some & membership so, to check the Malidity of the member,

If the membership is walid then the expiry date is updated & annual membership charge is printed. Otherwise an error message is displayed

-> Cancel membership Decicion

If the cancel membership option is selected than the software ask for member's name a membership no for processing.

The membership is cancelled, membership record is deleted & membership fees is