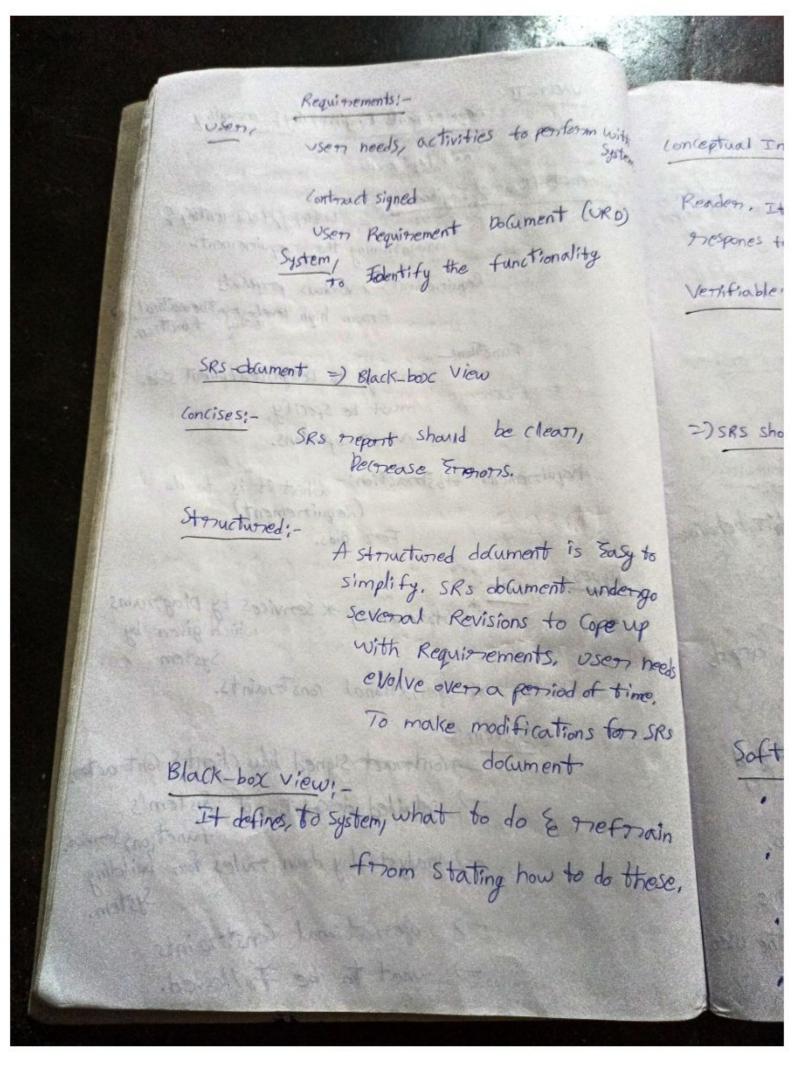
Requirements Engineering & mobiling main Requirements Requirementsoftwarre) Engineering :- Defining, Dolumenting & maintaining the requirements. Requirement -> various proposals From high level-mathematical method function. Function:- Dan't go to Design/Development side. must be specify, No 2 opinions. Requirement Abstraction: - what it is to do (Requirement) For Bids. Statements, * services by Diagrams which given by with stains concurred with System * operational constraints. System: - Jontmact signed blu client & Contractor. -) petailed description of System's functions sorvices. -) Analyst lay down trules for building -) operational Constraints -) what to be followed.

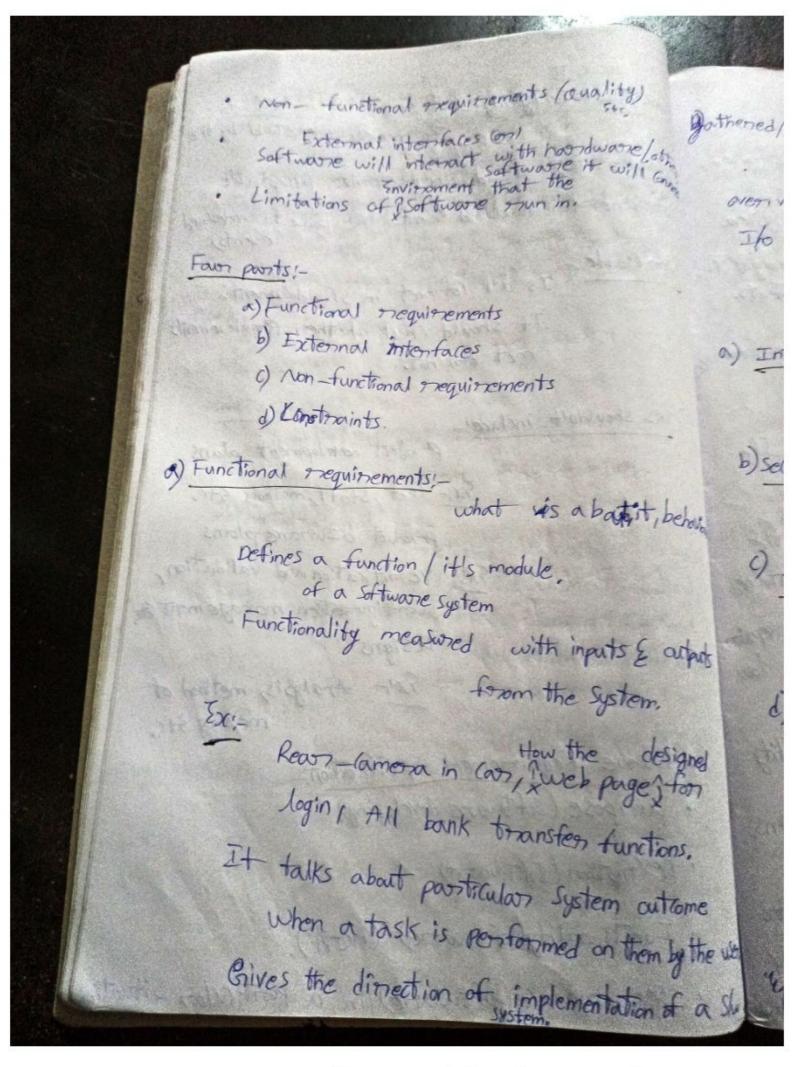
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conceptual Integrity: To mersely understand by the Reader. It should characterize acceptable prespones to unwanted Events, (Response to underined Verifiable: Is all Cornect in SRS document: It should theck whether Requirements met (0) not. =) SRS shouldn't include;project development plans Ex; - Cost, staff, methods Etc. product assurance plans Ex: - verification and validation Configuration management the Designs Exi- Analysis, method of making str. Software Requirement specification; · pumpose (software developing). · Description (software), · Functionality(software) (need). Performance (Software) (in a particular Situation)

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Wathered/created by Developers. . main good; To satisfy the Customers. over view: - function needs & uses I/o: - Normal Inputs / Destinated outputs timing a) Interroperability; - It describes whether Commols is possible blu 2 different devices/not. b) security: — It describes the security aspect of Software requirements. 9 Accuracy: - The data is cornectly (alculated con) not & used by the System, and output is Cornect. d) Compliance; It tells that developed system is compliant to Industrial 5x:- online ticket reservation should follow (yben selverity guide lines,

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2) non-functional regularements the s The system to be constructed f) som Penformance, portability Ett. Implemented Incrementally in any System. Esc: - Allerting thereat's thoughting perived from functional oxequipments. 9) Adap a) persformance: - measures system persforme Require Time V. b) usability: - measures usability of Sho System being developed. c) maintainability: - ease with which the system can be maintained to M. failures system can be maintained meantime blu failures

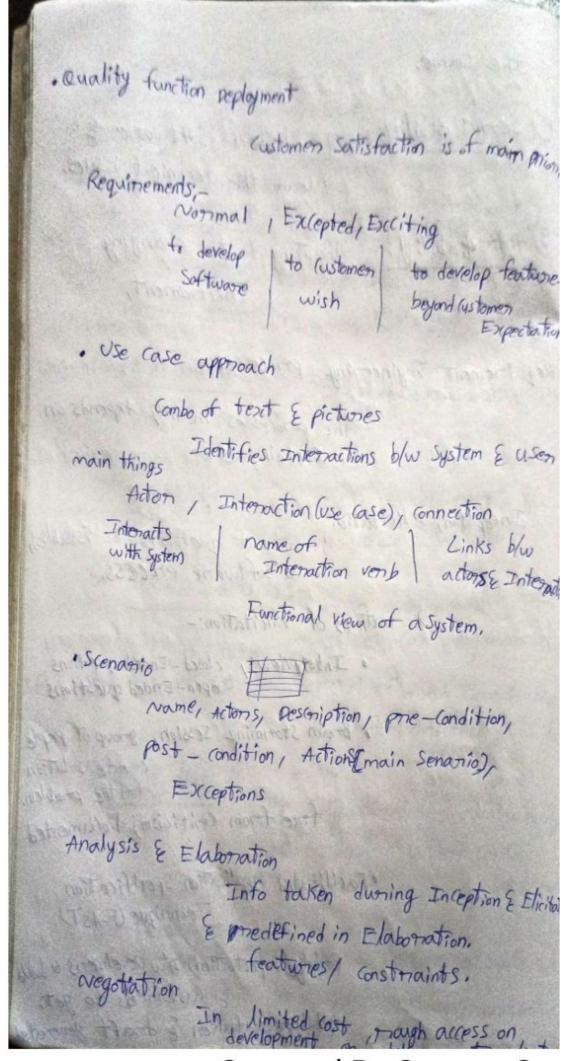
If, mean time to Repair

maintainability is low d) Realibility: - It Emphasizes the availability of a system under centain conditions, e) portability:-Ability of a software system to work in a different Environment, if the underlying dependent framework stay

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the Same. - Segrit Coubility: To Install Software & Clean the technical issues. 9) Adaptability: - Adapting to the changing Environment. Requirement Engineering Processes: The processes mainly depends on as a Domain, set. Inception, Elicitation :- set of questions to Establish a software process. > methods of Elicitation:-· Interviews, closed - Ended questions open-Ended questions · Brain storming session, group of Paple coneute solution for the problem free from conticism, Dolumented · Facilitated Application Specification Technique (FAST) Bridge Expectation) du acrelopers to hill & Customens to get. All inputs taken & traft generated.

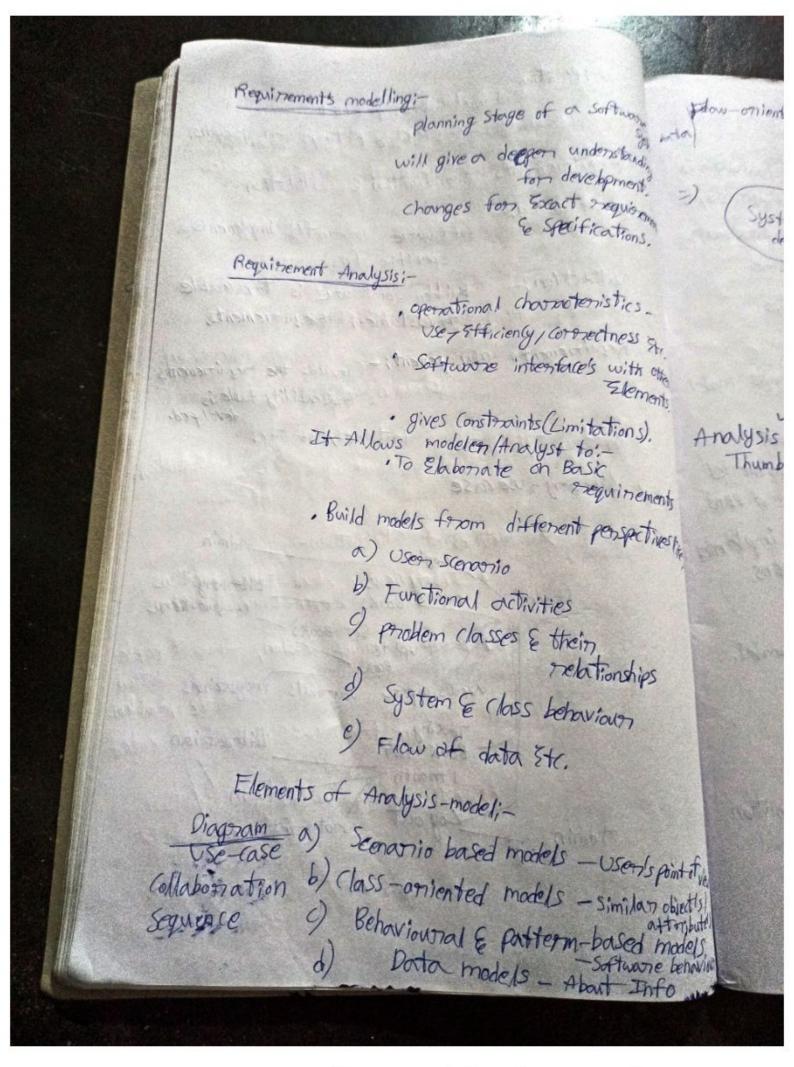
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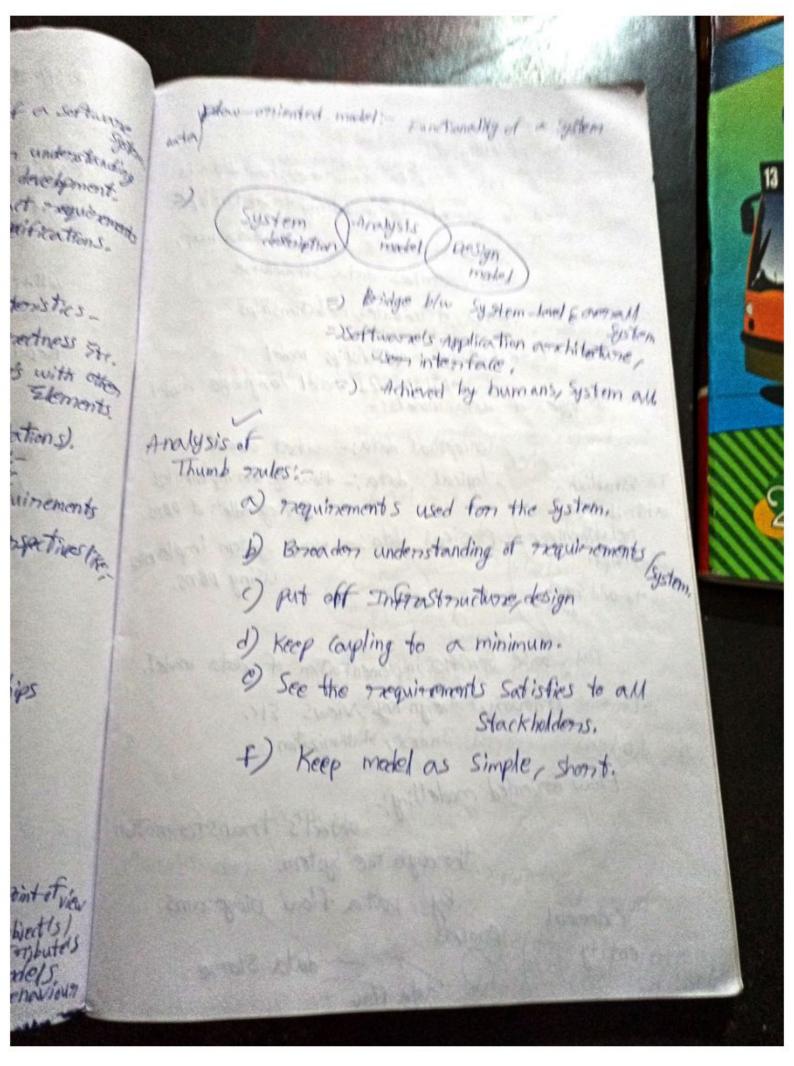
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Specification Final work product In text & pictures (on) graphs, Requirements venification & validation Werification; -Software cornectly implements a Specific fn. Validation; - Rilded software is traveable to astomen & equinements Requirements management; - Tracks the nequinements Traceability table is developed. fortunes/ (st Etc. =) Libnary-use case Admin Login Enquiry Books = uplate Set Books News papers Journals imagazines Taking Librarian Book for 1 month Logout Admin The service of the service of

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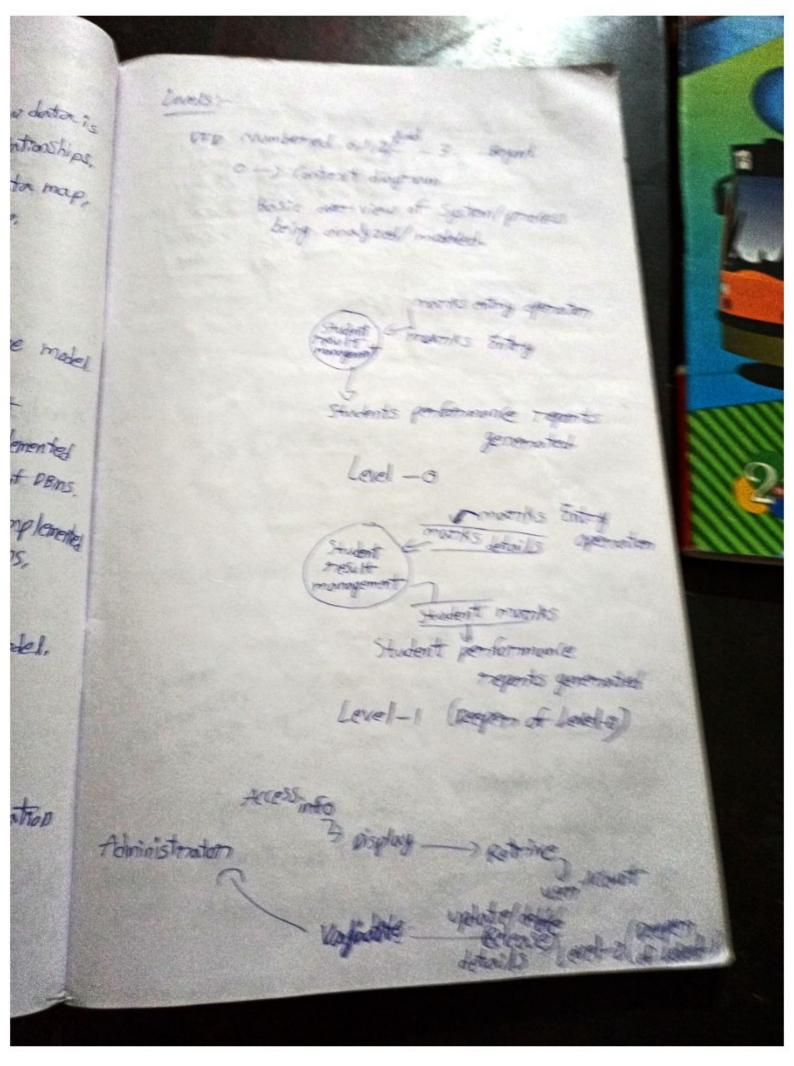
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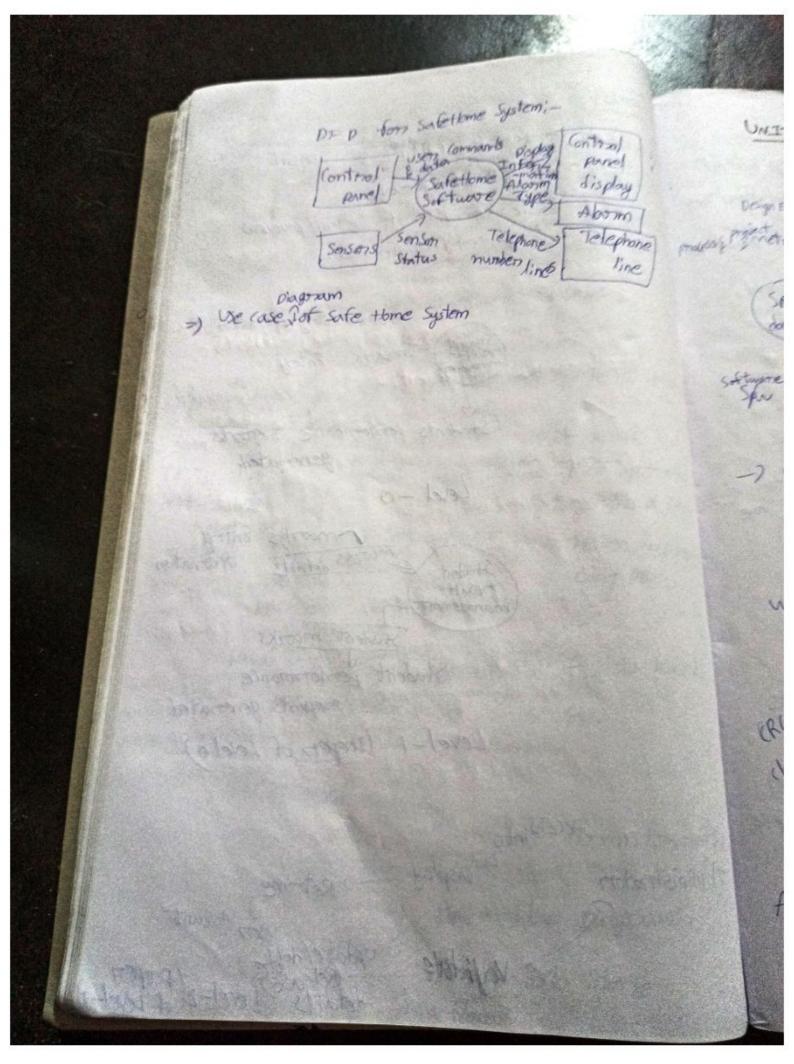
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Data malelling: It is used to structure how data; Used & Stoned to modelling Telationships Great is to Greate a visual data map that describes data structure. objects, Attributes, Relationships (E-R) Entity Relationship, model 3 types of data models: (conceptual data; - what about To Establish logical data: - How System implemented attribute) E tregardless of PBM . physical data: - How system implan relationships, Entities. Using DBMs, to add Exact data Parta base Specific implementation of data model, Primary, Foreign key, views Etc. Index, Authorization Flow orriented modelling; objects transformation through the system. pata flow piagrams. external entity 9 — data stone

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