

Meeting with by stakeholders — after initial meeting one-or-two page "product request" is written & distributed to attenders.

Customer voice table: Raw data gathered for requirement is translated into table of requirements which are reviewed by stakeholders.

Domain analysis

Dis covers related information related to semilars application.

Technical literature

Existing applications Domain Domain information

Domain language

Customers survey Analysis

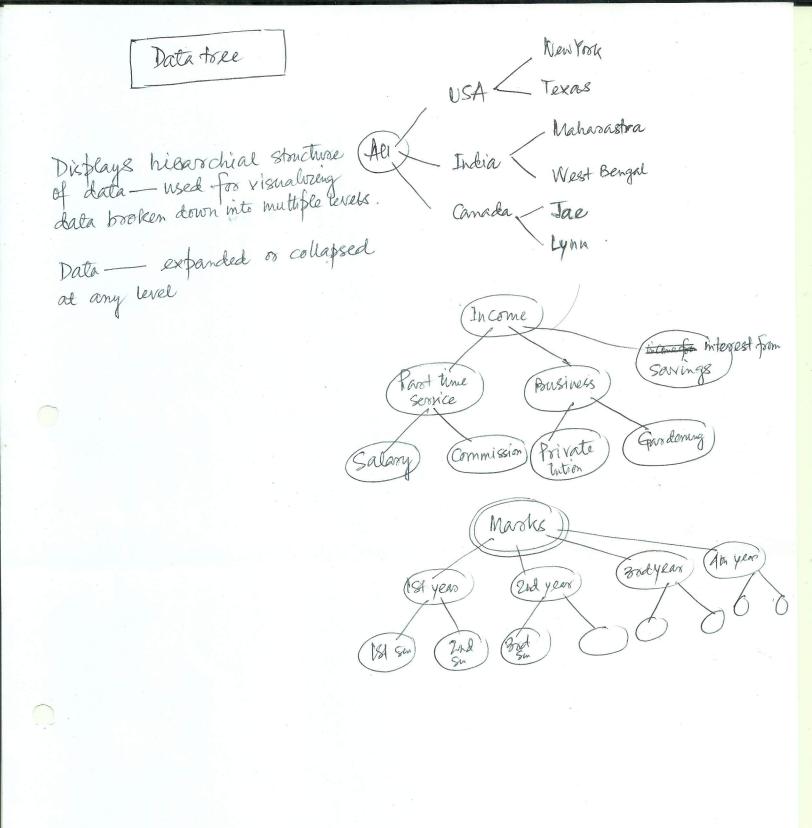
Experi advice

Consent Fature requirement

Data modelling

Data Object Data members
Data attributes

Class diagram.



Functional & Non-functional requirements & High, Normal, LOW } Requisement Comment Priority 1 0 Requirement ID FROOT FR 002 Website has page that lists purpose of organization High FR003 Normal Scalability NFR 0010 NRFOII

2.

	•	Functional sequisement	D. 11	Contract		RealD	Non-functional requirement	Priority	Commen	
	Req. 1D	requirement	Knosty	Commen		NFOOI	3,000	and the state of t		
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A good SRS document

- 1. Concise, unambiguous, consistent and, complete, correct, clear
- Well-structured
- Black box view: Should specify external behaviour of the system—

 not discussion of any implementation issue— Right

 evel of abstraction according to the purpose of SRS— independent

 et design issues.
- Readers can understand easily/Understandable
- Requirements should be verifiable.
- 6. Testability: Easy to generate test cases and testing plan
- modifiability: Easy to modify
- 8. Ranking: Requirements are stated with priority.

· Avoid over specification · Avoid referring element dis aussed much later in SRS.

Representation by projosition logic

A proposition is a declarative statement which is either (35) true (T) or false (F).

Kepresentation-format

Proposition al symbol/Atom/variables P, Q, Rlogical constants Logical operators $\Lambda, V, \sim, \rightarrow, \leftrightarrow$

(If I look into the sky and I am alest then I so will see a dim star or if I am not allost then I will not see a dim star"

P: I look into the sky

Q: I am alust

R: I will see a dein star

P->Q=~PVQ POR = (PVQ) N(POVP)

X: (PAQ+R) V (~Q+~R)

To cheek if a k valid or not

P	Q	R	X
7	T	T	
T			
T	T	F	
1 4 4 4 4	T	T	*
F	F	T	
F	T	F	

John or many or both will go to cinema. If John goes then Jenny will go, Mike will go if marry goes. Mike does not go to cinema. Conclude that Jenny will not go to cinema.

P: John goes to cinema.

Q: Nary """"

R: Jenny """"

S: Mike """"

PVQV(PAQ) $(PVQV(PAQ))\Lambda(P\rightarrow R)\Lambda(Q\rightarrow S)\Lambda\sim S)\rightarrow \sim R$ $P\rightarrow R$ $Q\rightarrow S$ $\sim S$

First Order predicate logie

A predicate is a relation that maps n to true (T) or false (F). $P(t_1,t_2,t_3...t_n) \in \{T,F\}$ 2 is greaters than y GREATER (2,4) = T if 20)4 otherwise LIKE (244) E {T, F} 2 likes y NATURAL (2) x is a natural humber Predicate symbols are written in upper case letters. A function is a mapping that maps or teams to a team. f(4,12...tn)=[Father (Sursesh) pms (213) Quantifiers + (for all) D 7 (these exists) Logical operators ~, 1, V, ->, +>

Every person is liked by somebody Sweeth likes everyone tx Jy & LINE (2,y) YX LIKE (Swresh, X) Representing Grandfathus MOTHR (2,2) PARENT (Z, y) FATHER (20,Z) 2 is mother of 2. 2 is father of 2 GRANDFATHER (Z, X) Z is grandfaltur of x PARENT (214) x is parent of y MOTHER FATHER (2, y) V MOTHER (2, y) -> PARENT (2, y) PARENT (214) / FATHER (212) -> GRANDFATHER (2,4) every person is father tx FATHER (2,4) Vx Fy FATHER (y,x) every person has father.

Suresh likes Anupam

LIKE (Susesh, Anupam)

Sweeth likes some body

Fx LIKE (Swoesh, 2e)