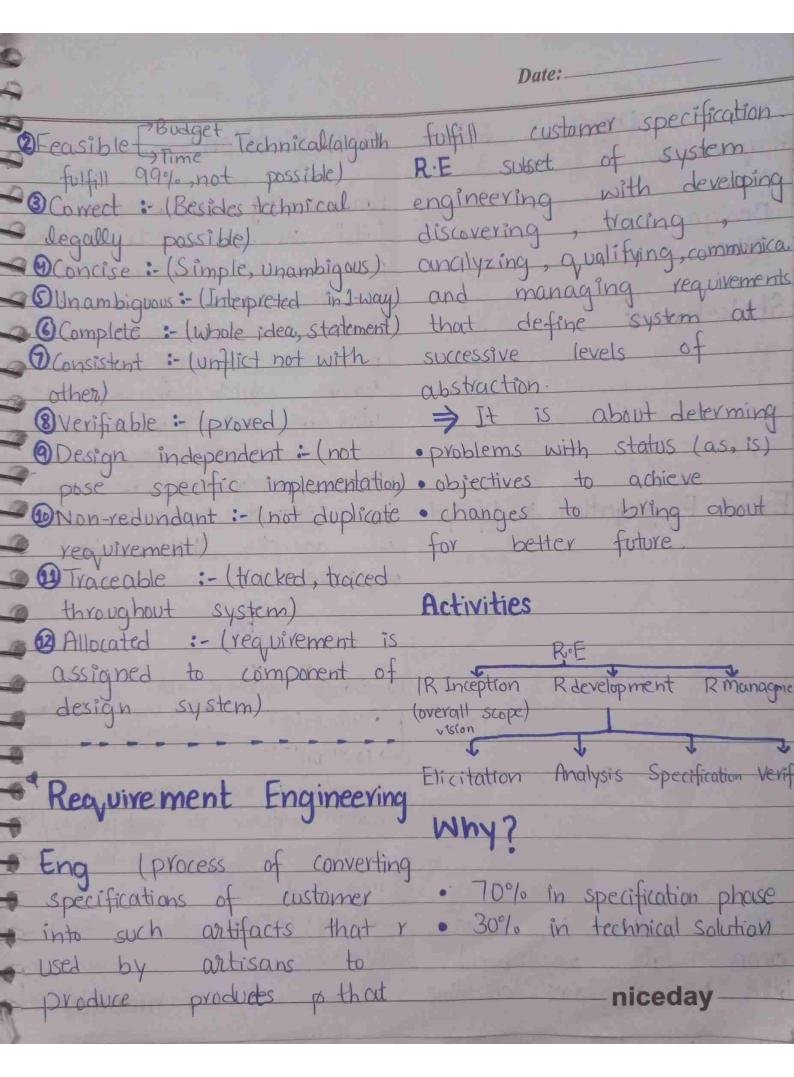
Date: _ · Requirements is first step of SDLC System Engineering -> Requirement Analysis -> Design -> Implementation - Maintainet SQAL Method Testing & Hope I'm a colfe a coil Wikipedia wingle documented need wish unaffordable & 1216 A single documented need Desire Moderne 5:9109 11 16 of what a particular Need prioritize, afford product or service should be Requirever can't be avoided/foremost or perform. > Require is more strong than need condition or capability needed by a user to · While designing in software, above must be kept solve prolin or achieve of objective FS document (function specifical · Functionality of document Software It is output of R.E process Foremost req. Features are not technically financially financially formula for the can be Requirements) For Decement feasible can be FS is ignored or released Implementation Design do used in testing Requirements thing that Testing is needed or wanted (a) Need Want Deployment Compulsory optional p- o(ant be can survive Mainten ance without want - ignored Teachear need I need marker coffee --- niceday

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FS documents will also be	Role of Requirements
missed in next steps of	
development. It creates huge	1 Agreement (between system
loss in terms of cost in	developers, customers, end-user)
tims of times.	·legal contract
Requirement must be	@ For software design
documented.	· Detect free · Technically feasible
Something in mind is	3 For verification & validation
not requirement	@ For system evolution
not requirement FS	> System = change (old system, new system)
more detail Functional	evolution change (old system, new system)
than FS specification	
CMMI (capability motority	Source of Requirements
model integration)	
· used for certification	1 Stakeholders (Client)
of software houses.	2 Documents (process that organization
************	3 Existing System / flows a 2 ald
Requirement constraints	is year of new suctions
Need, constraints.	@ Application Domain (U study
interface of any stakeholders	the domain of that application
that must be fulfilled by	which is form!
proposed software product	William V William V
during its development.	Criteria for good Require
	or good negpire
(User World) - Software Requirement Software	1 Necessary (priotize need
Requirement	but if system works
	with out et co elall
	without it, so itsn't necessar
	niceday —



Date:

			Date:
Pos	Defects	Efforts	Classification
Requirement	_56%	82%	
Code	7%	20%	Functionality consideration (that
Design		137-	fulfill set of selected business
Other	10%.	4%	processes and deliever results 1
Stakehall	ov .		Aw Aller
DVOUD of	indi	vidual,	Product - construction : consideration
Dr other	people	, organization	(product ki coding connet
by tradition	entity	has direct	ignove, which language are
system	MICE	at in	ignove, which language are used, purely design & implementation)
7	li landa		consideration (reas for
Ewoys Pran	nontin	in lifet to	Carlot American Inc.
100	agution	in ufecycle	from different: sources 91 boxed
			or agencies that provided
		1014-1-0	requirement.
	. Project		Req
A STATE OF THE PARTY OF THE PAR	4		
		11 111	Functional Software Constine Source
			-> Cove (75%) · Reg Lang · Statebold .
			-> Ancillary (25%)
			Satulory (u make standards ie u
			make software for dear patient)
			Safety: Physical hammless for
Allerands and		- A - A -	medical softwares
It is be	etter to	detect	Security: prevent from external
ew ors or	t requ	liement	attacks.
evel bcz		less time	
			niceday—

Inverse requirement: When Software Footprint(software which is gone for customer soup things deployment, having size on must not be part of system (excluded reay) Hoxddisk) ie not use red color. Memory Constraint: At time Design & Implementation of software execution, uska constraints: These are size kya he on RAM. e.g. specified by technically minimum itni memory ho gy software execute kre ga customer in software Data Integrity Protection: It construction. checks up data which user Feel Good functionality: entered in system must be interface should be easy logically correct is for room observation Esteem functionality: For user, Response-time functionality: The it should be previliged activity which is appear after a time. This time is called response-time ie For convert image into text On-upmanship functionality: Your which take 2 min this 2 min software have competitive + is called response-time, points against un competitive points agains ur competitive Fault-Toleraine: Software must edge. not be crash but give user on alert msg. It Usability : its not vinterface provides an atternative path when a reached one point Reliability: Able to save data for used veached easily ie after PC power off, on that point. data must be safe. niceday

	Date:
Projection limited time	Based on CMM
Productivi Overall scope, time	Level 1:
limit as such not present	
and then maintain.	
> Software houses work	
one of them(prod, proj)	level 2:
Requirement Process	
Tree Delettera Livers	
Process Isevies of action to	level 3: standard boiler plate
T Clara manifyproperate V	of activities are documented,
inpout project is output	701-501-50
A LONDON LANCE L	
· Quality of Process -> Quality of prod	Requirements LifeCycle
Garbage int Gorbage out	Stakeholder Testing is with Acceptance
so get right requirements.	vegy Testing
O Requirement Elicitation	
@ " Negotiation	System System
Specification	the same of the sa
- Walidation	Subsystem Integration 1
1 Rea discovered through cosult	
with stakeholders	Component Component vea testing
@ Rea are analysed and	The backers of the same of the
conflicts resolved through negoti	The total of the state of the
3 A rea document is requir	3
a mament is checked for	niceday —
consistency and completeness.	

Ch #5 (carl & Join) Establishes business reay	odels Date:
Business Requirement	
a Deline projectic business	1.1 Background
need as well as criteria of its	Describe history or situation
success.	provide information to previous proj
• If customer satisfaction 1,	
business automatically 1.	1.2 Business Opportunity
most of business req is	comparative evaluation of exist proj
financial.	
It must be resolved before	
functional and non-funct require.	13 Business Objectives
It comes from funding	It is quantitative
sponsors, corporate executeves,	should be measurable way
sponsors, corporate executeves, marketing managers Success criteria (If financial	1-4 Vision Statement
Success criteria (If financial	concise vision stakment.
should be comp on time!	For (larget customer)
*	Who statement of need or opportuti
Product Vision	The product name
1.0000	is product category
Project Scope	that major capabilities, key benefits
for release 1.0 for release 1.2 2.0 form	
V and S document	Our product
	Success Metrices
owner of document is	Evaluating the business obje
project sponser	u measure objective if
The state of the s	they are quantitive.
Template for Document	Business visks
Business requirements	Risks one competitors,
2. Scope and Limitation	navigation skatetegy
3. Business context	niceday

		Date:	
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In scope, system in and	AVVALOR	External sys	
system out are seen-	1770005	5	- 4
	Context	F	cosystem.
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Contact. Diagram (O Level Dia)		real of	100 140
define external entities (called			E
terminators		4-90 9	
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Materiana			
Circle -> entire system	100	de els s	1
			17 36
Rectangle > external entities (AND	- Bartin W
user classes, organizations,			
other system, hardware devices			
Arrows -> How of data.	1 10		
ase Study:		100	
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Classify	Human being software, hardware
Every test races as accornect	raise 3 possibilities of use case
on every requirements.	1 use case - multiple actors
	· Active verb present in use case
ritialis in Keauivements	· Artor - Noun Use case - Verb
- Don't tocks on solution	Pro-user do every work which
Just say tocus on requireme	base user do and some
> feasible features compulsory	additional works.
> Focus on time & budget during	convert (mel 1) (Authority (check by)
the process of requirements	(pof show) (update)
> Not preparing well when	And con (And con)
→ Not preparing well when beginning post interviewers → Prejudices	convert (inclus (Authorit) check by convert tal poff short pro-user User pro-user pro-user
Prejudices	Extend . Rode Continue
> Untrained person as bus analyst	forther add arrow head towards
	base use-case.
Super Case	Include: - Such use cose which
It is used in require	use must ho, pre-requisite ho
elicitation Digess.	Arrow towards adden
How per focus nahi hota.	repsobility ke case me ack hi
	functionality different jagha me
System level use case level 0	use ho.
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do testing	tabular form - downent
	Discriptive form
Sub-system level use case.	
In regression, integration Testing	
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