			Page No	Kouox		
		I I I I I I I I I I I I I I I I I I I	1			
7>	Software David					
	Software Development life Cycle. (SDLC)					
	-> SDLC has two types.	The state of the s	and the state of t			
	SDLC		agency of the course of the contributions			
			I	THE PERSON NAMED IN COLUMN 2 I		
	Life Cycle	LIF	e Cycle			
	Development		esting			
	·		7			
	Developer		ester			
	involved	22427	nvolved			
-	127 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	ales e	1 7.54			
	→ stages in SDLC.					
	1 Information Gathering					
	<b>1</b>					
	@ Analysis					
*	The same of the sa					
	3 Design					
	+					
	(Development)					
	(5) Testing					
	6 maintainance					
	6 maintainance.					
	OInformation Gathering		**			
	Disiness Analyst is responsible for Information cath 2) Info gathering is nothing but requirement					
	gathering from oustomer.					
	3) Information gathering involve business requirem					
	Specification. (BRS).					
	BRS is bridge between client -> Developer, Teste					
	5) Business Analyst prep					
	•			CamScanne		

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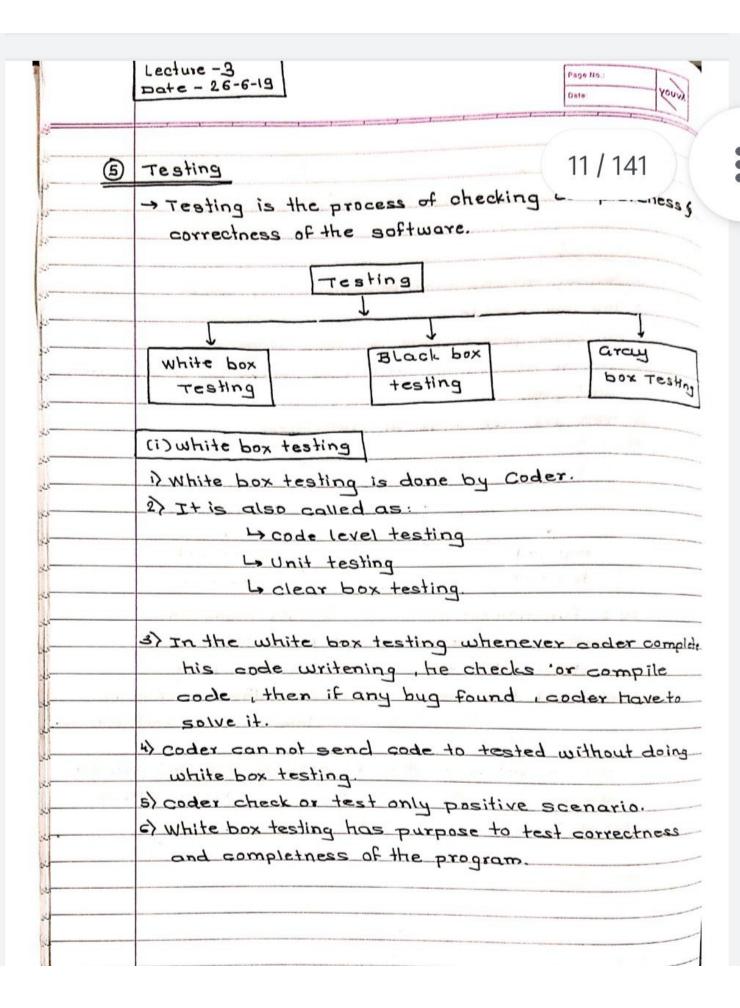
		Page No.:  Date:  Youvi		
	@ Analysis			
	1) Business Analyst involv	re in this process.		
	e) In the analysis phase	SRS is made.		
	3) SRS -> software requ	livement specification.		
	4) SRS document made	after BRS.		
	si sas is detailed docu	imentation.		
	BRS	SRS		
	1 2/2			
	Dather req. Ex. Banking proj	. i) same ex.		
	→ Sign up Page	-> sign up page should		
	→ Home Page	Have Name, nom		
	-> Ace info.	email, passwor		
	- contacts	field.		
	-> links.			
	<b>↓</b>	5 L		
	This is overall .	This is detailed		
	requirement gathering	specification which		
		Shows minor units		
	3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	slw.		
Lecture	e) SRS - Functional require	ment specification.		
2.	7) From BRS documentation SRS document get gener			
25-6-19	8) SRS ducumentation include:			
	(i) Functional flow diagram			
	77			
	(ii) Functional Requirement			
1001	4			
4	(iii) Use cases			
	712			
	(iv) Snop shots.			
1 2 2 2 2 1 2	· Programme and the second			

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 a) Functional flow diagrams	A 200				
 - Functional flow diagram mans	flow of or	ur task.			
 - The flam thous relationship be	etween the	tasks.			
 This flow silver sequence of	→ This flow shows relationship between the tasks.  → This give proper sequence of task.				
 -> Relationship of function mean	s deper	dancy			
 of each function.	THE LANGE	Vier.			
→ Example facebook:					
 Example	11 12 1				
01. 02. 02. 04.					
sign => Log => Home => Request - 11					
 up In page page		. \			
The functional flow diagram	look like -	this.			
→ Overall this functional flow di	iagram is	actually			
a stepwise representation of s	software				
, mr - y = 1 / 1 m - mg ; m	* 7				
(ii) Functional Requirement					
→ Functional Requirement means	attribute	s which			
are required to complete a spec	are required to complete a specific function.				
- Now we have signup function					
	- For sign up, its requirements are;				
First Name;					
Last Name;					
mobile Number;	mobile Number;				
Email ID;					
	Password;				
submit button;					
 > For first Name: O Name should be					
(1) Name do not .					
3 It should not he	THE R. LEWIS CO., LANSING MICH.				
 (1) It should nt ha					
so like this, these all the requirement	115 2110411	१ वल			
fullfil in this phase.					

	(iii) Use Case
	it is the functionality in terms of ilp & olp.
	alliantide example
	3) online shoping has users are costonies
	4) Admin of slw is company person.
	s) Now use case for all shopping is:-
	(1) f (actor) = the person (Group of people /syste
	interact with system.
	III/reide)
	(i) (use case) = It is the functionality or ope
-	(dse edge) - It is the
	Gii) = Link.
	(iv) -> = DGeneralization.
	s) Now generalization is the part.
	s) customer can be of two type
	registered Not registered.  4) so generalization is shown as
	O SHOWN AS
	T
	Customer A P
	Customer
	Tomer 7
_	<del>2</del> <del>2</del>
	Registered Not registered
	Registered Not registered
	Registered Not registered  (v)> = relationship.
	Registered Not registered
	Registered Not registered  (v)> = relationship.

Conclude >> (Exclude >> (Exclude >> (In online shapping of the system.  A) So include relth is the system. (In or not of the online shapping of the order			,		Page No.: Date:	Youvx
in online shopping  process customer  can not order & pay  for things withoud  loged in to the system.  in or not.  2) So include relt is  cinor not.  ((Exclude))  (order)  (view)  product  product  (Exclude)  (order)  (view)  product  (view)  product  (Sevelude)  (View)  (View)  product  (Sevelude)  (View)  (Sevelude)  (Cancel order)  (Cancel order)  (Cancel order)  (Make report)		2 include	<b>&gt;&gt;</b>	<	slude>>	
can not order & pay product it and for things without upon whet 8/141 ge loged in to the system. in or not.  2) So include relth is iso exclude relation is ((Exclude))  Order (View product)  Payment (View product)  Online Shopping  Online Shopping  View product)  View product  Payment ((Exclude))  Online Shopping  Online Shopping  Online Shopping  View product  Payment ((Include))  Cancel order  Ramk  register  Roper  Confirm order	and the same					Hopping
for things without upon what 8/141 ge loged in to the system. In or not.  2) So include relth is 1) So exclude relation is   ((Exclude))  (order) (view) (view)  (payment) (view) (product)  (view product) ((Exclude))  (view product) ((Exclude))  (view product) ((Include))  (view product) ((Include))  (view) (View)  (view) (View) (View)  (view) (View) (View)  (view) (View) (View)  (view) (View) (View)  (view) (View) (View)  (view) (View) (View)  (view) (View) (View)  (view) (View) (View)  (view) (View) (View)  (view) (View) (View)  (view) (View) (View) (View)  (view) (View) (View) (View)  (view) (View) (View) (View) (View)  (view) (View) (View) (View) (View)  (view) (View) (View) (View) (View)  (view) (View) (View) (View) (View) (View)  (view) (View) (View) (View		process c	ustomer	custome	r can v	lew the
loged in to the system. In or not.  2) So include relth is 1) So exclude relation is  - ((includes) (Cexclude>)  Order (product)  Payment (view product) ((exclude>)  View product) ((exclude>)  View product) ((include>)  Order (vinclude>)  View product)  Payment ((include>)  Tegister register  Confirm order)  Mot register  Confirm order		can not ord	erspay			
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Online Shopping  View product  View product  Order  ((include))  Payment  (include))  Tegister  (cancel order)  (make report)	1.08			broduc	+)	
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register confirm order  make report		·	-V-	order		Book
(make report)	register	register				.J.4.m
			Confirm	order		
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è====	
	(iv) snap shot
	is snapshots are visualization of functionalities before development of product.
	3) Business Analyst create snapshot by using IRise
	software.
	4) Snapshot give-idea to developer that how slw
:	suppose to look like.
:	
	/* SRS is sented to the developer as well as coder */
·———	1* When coder is developing the code slw tester
	do [Test case design] & [Test case execution Design
	4
	How to do Testing
<u></u>	
<u></u>	The second secon
	(3) Design
	Teses
-	High Level Design Low Level Design
	. 3.
	it High level design contain it low level design include design of working of main static logic of every sub
	module.
	aeperium
	modules. 3) In sign up page, signut
	3) It include what 6 how is main module 8 Name,
	any module do work number, Email, are the Sub module.
	4/11gil 12:5
	created by design Architecture "> Propes working means in sumber for field should accept all number for field should acce
	Scanned by CamScanner



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## (ii) Black box testing

- 1) Black box testing is also known as system & function testing.
- 2) This testing is done by the Tester.
- 3) Overall functionality get checked in this type.
- 4) Tester check internal functionality depend upon external functionality.
- 5) Ex: Tester check whenever data in Sign module got entered is user press sign up button, this button is process to store entered data. Tester check whether the data is stored correctly or not.

  so here internal functionality is storing of datase external functionality is filling up data in fields submit button's process.
- 6) Tester test the tre as well as -ve scenario.

there is mobile number Let us take same example field, in india mobinum. The number field should are of lodigits, then tester not accept a digit or less check field functionality by smore than lodigits, entering lodigit numbers tester check system by whether it works or not.

The number field should not accept a digit or less system for more than lodigits, then tester check system by entering less than lodigits.

## (iii) Gray box testing

- and black box testing.
- 2) Tester is involve in this testing.
- 3) To do gray box testing , tester need programming knowledge
- handed over to tester is, whenever final slw eis handed over to tester tester chk its functionality & if any fault occure in the olp of function then tester does not

	revert system back to developer, instead of that test himself solve or make changes in the code. So know				
	of coding is required.				
6	maintainance 13/141				
	12 maintainance means provide servi				
	of the project.  2) Companie named as Tech makindra provide support				
	to customer of voctophone 1 10.				
	s) maintainance involve Non technical support as we as technical support.  4) Non technical support is called BPO.				
	5) Technical support is called KPO.				
*1.012	11				
	SDLC.				
	> Requirement Gathering (B.A> BRS)				
4	2) Analysis -> SRS (B.A.)				
	functional Flow diagram  Functional Requirement				
	Use cases				
	Ly snap shots.				
	3) Design - High level 1000 level.				
	(main module) (sub module)				
101 201	(design Arch.) (frontend der)				
	4) coding -> set of program to create slw.				
	front end dev. Back end dev.				
	ur, funct", design data manipulat" site map. Security Galgo.				