TOPIC NAME :

DAY:

DATE: /

Software Anchitecture

How a system should be designed How components are programized communicate constraints

+ input of der phase of SDLC

Advantage:

+ communication bridge between statutolders

2. Easy analysis of non-functional aequinants

3. Revse the diagram in diffrent model.

Design:

1. comporants — de compose into subcomponents

Login — web login

phone sms login

code

GOOD LUCK

TOPIC NAME :	DAY:	DAY:					
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- 2. structure of system
- 3. Distrubution across diffront hardware Lerice compostibility
- 4. Strategy of operations
 4 communication of components
- 5. structure for non func ruoruinments

 bank app secruinity

 L game fast load priority

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Drayfra Lopes + 3 min point

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Each diagram		1
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1 diagram can't	10 3 17 VIN	MEN 3
1. Logical view:	it.	
How classes	interact is	7. 3m
1 da	us diagram	
2. process view:	Cadivity Liagra	m)
Flow chart (P	rocess activity) me e
3. Developmed v	tank investigation	nt diagram)
3. Developming is	decomposed in	to component
9. physical view	t Hordware co	Ne
	+ Hordware Go	mpdistn' butin
	commeding p	De s

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ayereo	1 Anchitecture		
System layers:	dove stive	Sur(S	
1. presentation:	VI	not.	
2. Busnis: Data vo	soyeen, inp		
2. Busnin: , Data vo	alidation	W.)	
Localcu	lations	٨	
3. persistanci: -R/	n Lata	1.41-	
5. Database: I locat	ion > datale	n Co	
Monolithic software : +	waterfall m	odel	
The above layer cons	end var at gets it	the end	
	lo separation	comp	
problemi + No seperation	n comp so	changing	one
torresses &	and her	W/ AM	
#2. Willshad at ch	NOW.		
borroged I was	ring love	JA PA	

DATE: Layered Anch' organize system into seperate layers = separate changes within Diffrunt layer diffrunt functions A layers can provide service to ordabne ! closed layer: Only the above layer can access it. Isolated -If buiness sometimes goto : New layer: open (can be bypomed)

the of hat district state	
TOPIC NAME :	DAY:
Advantage: (D) Easy add / Remove layer (D)	one laver to another somany) mens

data distributed to diff DATE: Repository

Repository

Astronomy

Start Juda in a central repo Laccesable to all components of system components interact through repo Use: 1. large data generated 2. Store Lata for long time 1. Components can be independent 2. Manage all Lata consistently at the same time 3. changes can be shared to all company 1. Single point failure (and at one place) 2. Distributing to several computers is difficult. > one computer fail - problem

TOPIC NAME :	DAY:
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- Provide service to e	run service to server x: 9 near a page ingragle
Use & ex: email, doc s	have banking video library
Anyanton :	to acomodate more people across a network accessable
Dis: performance dependent	rd on nework y lift organization-prob
3. singk point ful	uve-each server.

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CK	Dis 1 formal of Later tra	seorupation or concurrent (parallel) s to be isome for	
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Charles or annual or an annual			