Shubham P. Patil (Page No.

Assignment No-2

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Think of different users for the database of 01 Fig. 12. What type of applications would each user need? To which user category would each belong and what type of interface would they need? users for database Applications. interfe St. No - list of international stat parametric Internation Advising - Minimum credits interface. eligibility MIST of student Under probation - OPT application would depend on section -New admissions each Admission office From-based semester. parametri - list of student who interface. got accepted - application for branch change. - visa enquim students center -To provide transcript 3. parametric of the current & interface alumni student

91. No.	users for database	Applications	Interface.
å	Foculty members	- Manage record of our state - Advise students on course - Add/Modify grades	From based parametric interface.
		- Track performance. - conduct exam bases on their ownse. - onduct meeting	
5	Students	- Whik on solling classy in a new sew - Track their performance - descide on course - darp / add course - request transcript	

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2.	IF you were designing a Web-based system		
	to make ovirline reservations & to sal dirline		
	tickets. which DBMS architecture would you		
	choose from rection 2.5? Why? Why would the		
	other arabitectures not be a good choice.		
	the best architecture.		
	- The best architecture will be a three-		
	tier client/server architecture beaute		
	- The web use interface is placed in the		
	client system		
	- the database senier contains DBMS		
	- web server will hardle the application		
	logic of system.		
	- Webserver can handle those transcorting		
	Validate the data on manipulate database		
	accordingly.		
	Architecture that is not scritable		
-	- In a centralized DDMS architectre, DBMs		
	functionality a user interface and boths		
	performed on subject syste. Hence, not appropriate		
	- In a fire-Tier client I server archi.		
	can burden it buishess 1998		
	is placed in dotations server		

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Q3.	consider Fig. 2.1. In addition to constrainty
	relating the value of columns in one
1	table to wigner in another table, there
-	are also constraints that impose restrictions
- 3	on value in a colymn. One such constrain
- pu	dictates that a columnmut be unique
	across out nous in table.
	For eq - inthe student table, the student-
	number colymn must be unique.
	Henrify the column or group of column
	in the other tables that Must be Unique across
	all rows in the table.
	a FREEZONSTE MEGNOTIEM . There are unique

SINO	table	colyn	4)	constrains
	Master of All	course san		7
1.	STODENT	student.	number	It should be unique
	al brogg	s Laston .	imbi anii	acress on rows
	HUM 202	lope, you so		in table to axoid
		to sold the st		overlapping of
	Wash as I had	posto n		table if any ha
	HIGHWAY STAT	has sale to		student have some
		habber		names in sugar
	his should be	to tobote.	61.11111	CABURE TOLORI
		Subus		

	1300000	10 1 11 11 11 11	
SI. No	Table	codymn	constraint.
	and the same	Man at	GASTIN OF MINDS
2	COURSE	Course rumber	- No two course number
100 100 0			can be same, ourse numbe
			determine the appt & course
		260	nome itself.
1.300	107 DE	NO 13439	- IF any new boydy
		pin of the	added in the contabeque then
- Alex	ula se elu	1956 10 0	it must be assigned a
6030	or lielide	TO THE STATE OF	a unique no.
			nt of a rim to
3.	PREREADLITE	Prorequititing	- there are unique
	La 12 a a	, who	because they dependen
			course section in table
4.4	3047 31	edMater	POSSESS SESSESS F
4.	SECTION	section_identi	. Sections offered in
1 300	01 MR 01 0	fice	a paricular sem must
100	Salah loko		be diff-event
1000	Land Control		- It also depends on year
			if the comme is newly
			acce.
5	GRADE-REPORT	styden_ro	- student number should be unique
	Para To	Section_identif	the - section itentifica is

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24	What is the diffe	latabase	
	scheria & database	state	
	*		
	Database Schema	portubare	State
-	It responses ent oxerall		
	design of dotabase	stark of data	
-	It Changed occassion	- 1+ is chan	gra frequent
	ally		
	1 de la		
-	Initially when depinity	- Initilly dot	abase
	a dotabase, only	skete is en	1pty,
,	schenn is specified		,
•			
		T.K.	I.E.T., Warananagar.