

Relational model

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Introduction Relational model























Cours	es				
	Code	Name		Teach	erID
	M2170	Informa	ation systems		-
	M4880	Compu	ter Networks		-
	F0410	Databas	ses		-
Teach	ers ID	Name	Department		Phone#
	D101	Green	Computer Engeneerin	ng	123456 -
	D102	White	Telecommunications	(636363 -
		Disels	Computer Engeneratio		11/12/12

















Stude	nts			
StudentID	Name	Surname	BirthDate	EnrollementYear
64655	Mike	Red	4/8/1978	1998
81999	Paul	White	4/8/1978	1999
75222	Marco	Red	8/3/1979	1998
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 The att 	ribute set	
	{StudentID,Name}	
is uniq attribu	Je, but not minimal (the StudentID is unique), thus the teset is a superkey, but it is <i>not</i> a key	
• The att	ribute set	
	{BirthDate, EnrollementYear}	
is uniq	ue and minimal: is it a general property?	
BG		



Primary key • Notation: The attributes that make up the primary key are often highlighted by underlining in the relation schema Phone# Name Department D101 Green Computer Engeneering 123456 D102 White Telecommunications NULL D321 Black 414243 Computer Engeneering DBG 25

Integrity constraints Relational model































