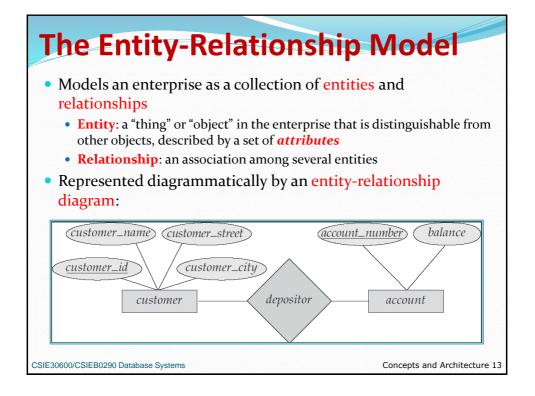
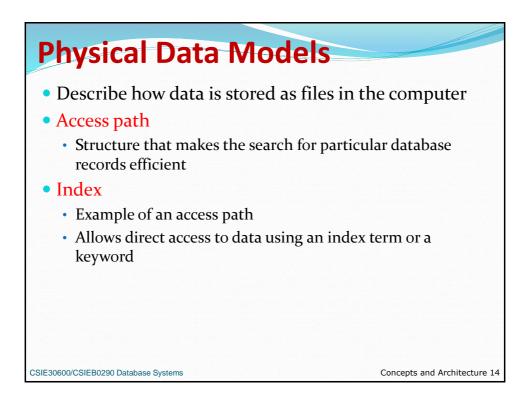
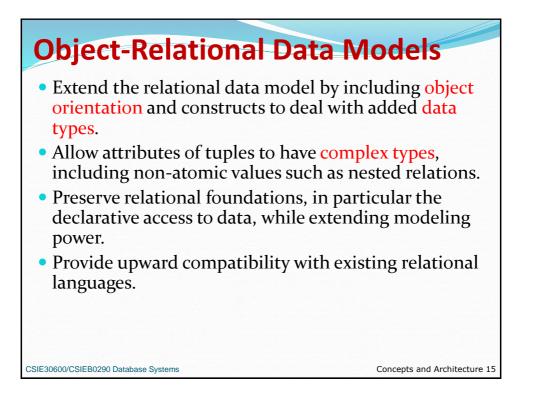


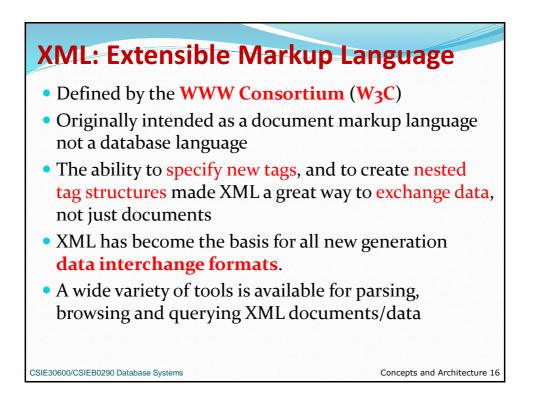
<b>Example of tabular data in the relational model</b>							
Attributes							
customer_id	customer_name	customer_street	customer_city	account_number			
192-83-7465	Johnson	12 Alma St.	Palo Alto	A-101			
192-83-7465	Johnson	12 Alma St.	Palo Alto	A-201			
677-89-9011	Hayes	3 Main St.	Harrison	A-102			
182-73-6091	Turner	123 Putnam St.	Stamford	A-305			
321-12-3123	Jones	100 Main St.	Harrison	A-217			
	Lindsay	175 Park Ave.	Pittsfield	A-222			
336-66-9999			Rye	A-201			

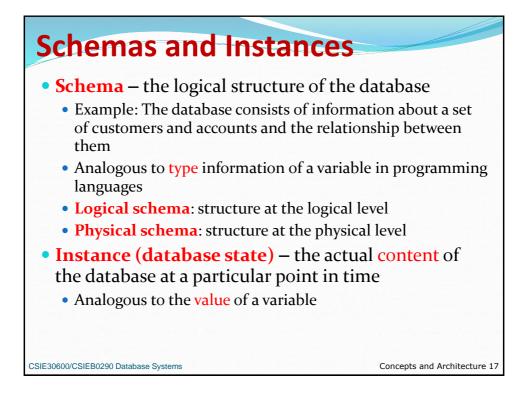
Sampl	e RDB			
customer-id	customer-name	customer-stree	et	customer-city
192-83-7465	Iohnson	12 Alma St.	Palo Alto	
019-28-3746 Smith		4 North St.		Rye
677-89-9011	Hayes	3 Main St.		Harrison
182-73-6091	Turner	123 Putnam Ave.		Stamford
321-12-3123	Jones	100 Main St.		Harrison
336-66-9999	Lindsay	175 Park Ave.		Pittsfield
019-28-3746	Smith	72 North St.		Rye
	(a) The	customer table		
	]			
account-numb	per balance	customer-id	ассо	ount-number
A-101	500	192-83-7465		A-101
A-215	700	192-83-7465		A-201
A-102	400	019-28-3746		A-215
A-305	350	677-89-9011		A-102
A-201	900	182-73-6091		A-305
A-217	750	321-12-3123		A-217
A-222	700	336-66-9999		A-222
(b) The <i>account</i> table		019-28-3746		A-201
		(c) The da	eposite	or table
		·		

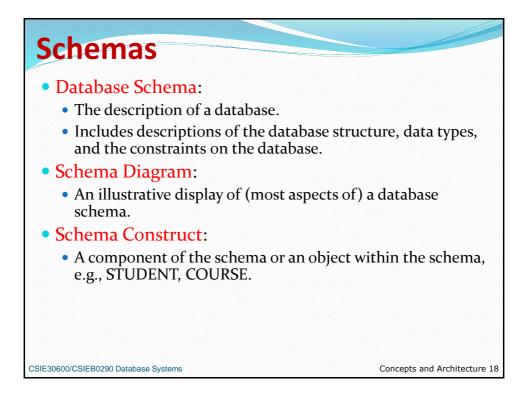


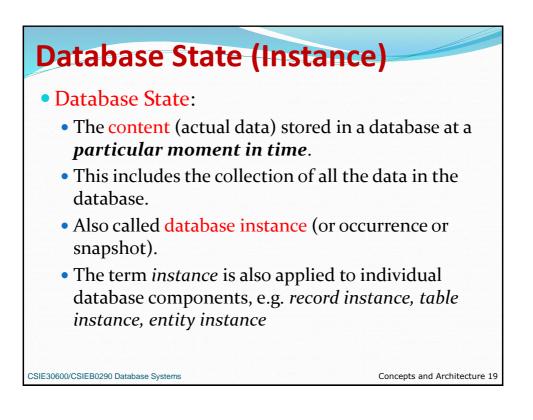


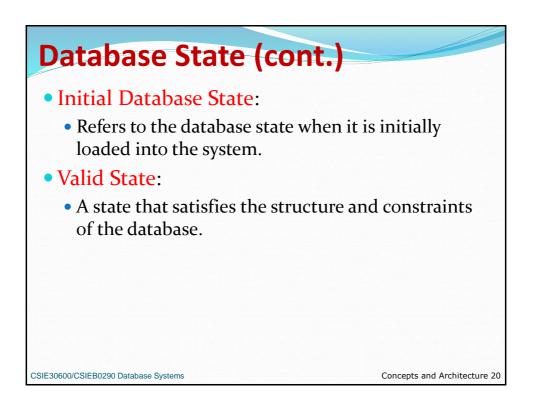


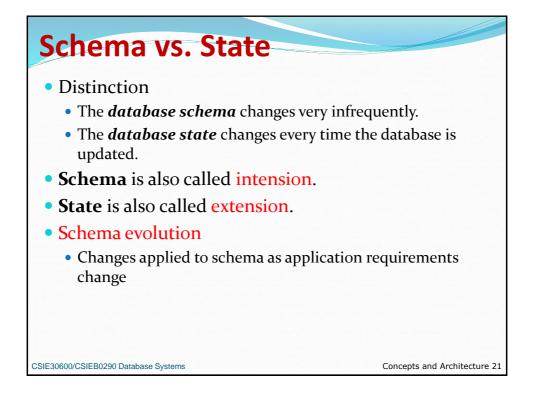












Exa	mp	le: D	ata	base	Sc	he	ma
STUDEN	IT						Figure 2.1
Name	Studen	t_number 0	Class	Major			Schema diagram for the database in Figure 1.2.
COURS	E						
Course.	_name	Course_num	iber C	redit_hours	Depart	ment	
PREREC Course	<b>UISITE</b> _numbe		te_numt	Der			
SECTIO	N						
Section	_identifi	er Course_n	umber	Semester	Year	Instru	ictor
GRADE_	REPOR	т					
Student	t_numbe	r Section_i	dentifier	Grade			
CSIE30600/CS	IEB0290 Da	tabase Systems					Concepts and Architecture 22

	Course_nam	ne	Course_number		Credit_hours		Department
	Intro to Computer \$	Science	CS1310		4		CS
	Data Structures		CS3320		4		CS
	Discrete Mathemat	ics	MATH2410		3		MATH
	Database		CS3380		З		CS
	SECTION						
	Section_identifier Course_			Semes	ter	Year	Instructor
		85 MATH		Fall		04	King
	92	CS1310		Fall		04	Anderson
		102 CS33		Spring		05	Knuth
	112 MATH			Fall		05	Chang
	119 CS13 135 CS33			Fall		05	Anderson Stone
	GRADE_REPORT						
	Student_number	Section_identifie				>	
	17	112		В			
	17	119		C			
	8	85		A			
	8	102		А В			
	8	102		B			
	8		135 A		A		
	PREREQUISITE						
	Course_number	Prere	quisite_n	umber			
Figure 1.2	CS3380 C		083320				
A database that stores	CS3380	MATH241		D			
student and course	CS3320		CS1310				

