COMM1822

Term 2 2022



Introduction to Databases for Business Analytics

Assignment Project Exam Help

Week 1 Entity Relationship powcoder.com
(ER) Modelling Part 1 Add WeChat powcoder

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Week 1 Welcome Video (Online https://powcoder.com/ Class Manner) dd WeChat powcoder



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Acknowledgement of Country

UNSW Business School acknowledges the Bidjigal (Kensington campus) and Gadigal (City campus) the traditional custodians of the lands where each campus is located.

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We acknowledge all Aboriginal and Torres Straittp Islander Elders, past and present and their communities who have shared and practiced their teachings over thousands of years including downwards of the business practices.

We recognise Aboriginal and Torres Strait Islander people's ongoing leadership and contributions, including to business, education and industry.

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UNSW Business School. (2022, May 7). *Acknowledgement of Country* [online video]. Retrieved from https://vimeo.com/369229957/d995d8087f



Ice Breaker



source: LinkedIn

Things you need to know

Attendance

- Please join your class weekly via Teams few minutes before start.
 For On-Campus classes, please be ready in class to class.
- Attendance will be marked virtually (for online classes), if you exit the classroom or do not participate this will ps: recoder.com
- Please attend the correct virtual workshop.

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Online classes Etiquettes.

- Please have a working headset or microphone for verbal communication.
- Mute your Microphone but have your camera ON.
- Do not talk over others, please use the "Raise the Hand" function.
- Please minimize background disruptions e.g., barking dog, music, television etc.



Things you need to know

You must only attend the tutorial that you have enrolled in.

Assignment Project Exam Help Please be prepared!

• Before class:

- https://powcoder.com
- Do the activities before joining classes.
- During class:
- Add WeChat powcoder
- Weeks 1 2: ER Modelling
 - Apply theory taught in lecture
 - Go through examples and exercises
 - Complete lab exercises on ER modelling
- Week 3 onwards: SQL
 - We will run through activities in class



Clarifying Class Participation and lab requirements

Attendance and Class Participation

- To get full attendance, your huse attend your Hase and fully participate.
- Your tutor would take after dance during lab anytime.
- Business School requires 80% minimum attendance.

If you are sick or unable to attend the lab, you can submit a Special Consideration.

Special consideration: https://student.unsw.edu.au/special-consideration



PASS Class



Assignment Project Exam Help
Friday 10am – 11am (BUS 216 and

PASS Class

https://powcoder.com

Friday 10am – 11am (BUS online) – starting Week 2

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PASS Leader: Srilekha Kolaki

Group Assignment



You need to solve the assignment in a group of 4 (or 5 if needed) students. Assignment Project Exam Help





Assign one member of the team as team leader



Submit a signed group cover sheet and enroll in the correct Moodle group by the end of Week 2



Things to consider when choosing group members

□ Do they have the same outcome
expectation as you (e.g., are all team
members aiming for Attractive oject Exam Help
□ Time schedule – is everyone available
for a meeting to discuss about the powcoder.com
assignment together at a specified time
every week?

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□ Location – if there are face-to-face
meetings, where is everyone situated?
□ Time Zone – If you are in a different

time zone, please tell your peers.

ER Modelling Exercises

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https://powcoder.com

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Employee Entity

EmpNo	Name	StartDate	Scale	DeptNo	ExtNo	OfficeNo
200	M. Cobby	12/04/96	S1	42	2345	663
267	S. Bedbrook	01/06/92	ASOS	signme	n#2Pro	ie663 F
296	D. Hawkins	01/09/02	P2	16	4364	382
281	B. Watts	23/10/01	P3	21	,9478	251
341	I. Oxford	07/10/99	GS2	https:	//pow	coder.
367	A. Varty	10/09/90	D4	33	3216	338

xam Help a. What is the PK in Employee?

com What is the PK in Department?

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C. What is the FK?

Department Entity

DeptNo	DeptName	HeadOfDept
16	English	A. C. Taylor
21	French	G. F. A. Andrews
33	Comp Sc	M. H. Martin
42	Maths	J. F. Smith

- What is the name of Head of Computer Science?
- List the names of people who work for J. F. Smith.
- f. Draw your first ER diagram!

TUTORIAL_CLASS

CourseID	TutID	Day	Time	ClassID	TutName
INFS1602	01A	Mon	09:00-10:00 Assignme	EE 221 nt Projec	Dr Hood t Exam Help
INFS1602	02A	Mon	09:00-10:00	Quad1045	Mr. Parkin
INFS1603	01A	Tue	https: 10:00-11:00	//powcod As G01	Dr Aurum

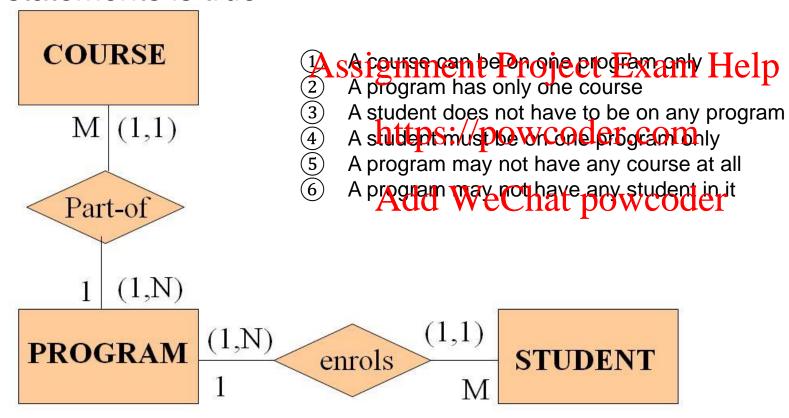
LOCATION

F	Y d	d	N	W	e e	\mathbb{C}^{1}	ha	ıt	po)	W	'C	O	d	e	r

ClassID	Capacity	Video	Computer		
EE221	100	No	Yes		
Quad G052	2 30	No	No		
Quad 1045	30	No	No		
AS G01	25	Yes	No		

- a) What is the PK for TUTORIAL_CLASS?
- b) What is the PK for LOCATION?
- c) Can Mr. Parkin use Video and Computer in his class?

Examine the ER diagram in this figure and state which of the following statements is true.



- I Create an ER model in Chen's Notation for each of the following descriptions:

 a) Each company operates our departments, and each department belongs to one
 - company.
 - b) Each department in part (a) employee democre employees, and each employee works for one department.
 - c) Each of the employees in part (b) enable in a pa and each dependent belongs to one employee.
 - d) Each employee in part (c) may or may not have an employment history.
 - e) Represent all the ER models described in (a), (b), (c), and (d) as a single ER model

Create an ER model for the following requirements:

- ☐ UNSW Fitness Club Assignment Project Exam Help
 - The club offers a number of exercise classes (described by exercise number, exercise type, exercise level) for its members i.e. staff and students.../powcoder.com

 • A member can participate in several exercise classes or none at all.

 - Each exercise class has one employee assigned as its instructor.
 Each instructor (described by instructor id, name, address) teaches at least one class and may teach up to 5 classes.
 - Each exercise class is taught in a specified room, on a specified date and time.
 - Rooms can be used for different classes.

Do not use composite entities for now.

Create the ER diagram (entities, relationship, and key attributes) appropriate to the following description of a university program structure:

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Business Rules:	https://powcoder.com
☐ A program contains many co	ourses.
☐ A course can be part of man	Add We Chat powcoder
Students enrol in many cour	ses.
☐ Students may enrol in more	than one program.

Do not use composite entities for now.

Next week Activities

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Please check-Moodele





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Course Outline

https://www.business.unsw.edu.au/degrees-

courses/course-

outlines/archives/COMM1822-2022-72

If there are any other questions, please post your questions on Moodle.



Source: tryinteract.com

