# COMM1822

Term 2 2022

Introduction to Databases for Business Analytics

Assignment Project Exam Help

Week 2 Entity Relationship Powcoder.com
(ER) Modelling Part 2 Add WeChat powcoder

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# Assignment Project Exam Help Week 2 Welcome Video (Online https://powcoder.com Class Manner Add 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 downward 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 <a href="https://vimeo.com/369229957/d995d8087f">https://vimeo.com/369229957/d995d8087f</a>



## Agenda

□ Admin

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□ Exercises

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☐ Group forming



## **PASS Class**

| Day/Time          | Name                                      | Location            |
|-------------------|---|---------------------|
| Friday 10 – 11 am | Assignment Project Exa<br>Srilekha Kolaki | On-campus BUS 216   |
|                   | s.kolaki@student.unsw.edu.au.co           | Online via MS Teams |

Starts this week! (Week 2) dd WeChat powcoder

### Admin

- ☐ Groups must be formed by the end of this session.
- At the end of this session you need to fill-in and sign the form (on Moodle under Team Assignment Section) and only the Team Leader (of each group) should email the form to your tutor. If you do not send the form, we will assume that you do not have a group and we will assign you to a group.

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- ☐ We will start SQL in Week 3 Tutorial.
- ☐ You will receive an email with your login details and how to access it in UNSW myAccess (or install SQL Developer on your device for Windows 64-bit OS).



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# ER Modelling Guideline (Lecture Recap)

- □ Ask yourself the following questions:
  - What are the relevant entities here?
  - What are the relevant relationships there? Help
  - Can I generalize some entities?
- □ Document your assumptions as you go.com
- □ Leave cardinalities until the venetinal powcoder

Draw ERD in an iterative way (draft, review, revise, review...,finalise).

Even experienced designers may need 5-7 drafts before finalising the solution.

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 ma   | ny courses.               |
| ☐ A course can be part of | Anady Woed Glampsow coder |
| ☐ Students enrol in many  | courses.                  |
| ☐ Students may enrol in r | more than one program.    |

Do NOT use composite entities for now.

Now, break the ternary relationship from Exercise 1 up symusing composite entities.

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## Break

#### ■Online Safety

- Rest Breaks: <a href="https://safety.unsw.edu.au/office-safety-toolkit/office-workstations/rest-breaks">https://safety.unsw.edu.au/office-safety-toolkit/office-workstations/rest-breaks</a>
   Assignment Project Exam Help
- WorkRave at UNSW:
   <a href="https://safety.unsw.edu.au/https://defeor/wideclerocoments/UNSW\_WorkRave\_V1.0.pdf">https://safety.unsw.edu.au/https://defeor/wideclerocoments/UNSW\_WorkRave\_V1.0.pdf</a>
- Guide to Office Workstation Set-up
   <a href="https://safety.unsw.edu.au/sides/weeulh@idespotowumoeles/HS705\_Guide\_to\_setting\_up\_your\_workstation\_0.pdf">https://safety.unsw.edu.au/sides/weeulh@idespotowumoeles/HS705\_Guide\_to\_setting\_up\_your\_workstation\_0.pdf</a>
- Online Safety and Wellbeing Tutorial: <a href="https://student.unsw.edu.au/safety">https://student.unsw.edu.au/safety</a>
- SafeWork 6 Simple stretches: <a href="https://www.safework.nsw.gov.au/resource-library/six-simple-stretches">https://www.safework.nsw.gov.au/resource-library/six-simple-stretches</a>

The entity type PERSON has three subtypes: CAMPER, BIKER and RUNNER. Draw a separate ER diagram segment for each of the following situations:

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- a) A person must be exactly one of these subtypes. https://powcoder.com
- b) A person may or may not be one of these subtypes. A person who is one of these subtypes cannot all the Same be one of the other subtypes.
- c) A person may or may not be one of these subtypes. A person could be any two (or even three) of these subtypes at the same time.
- d) A person must be at least one of these subtypes.

**Create an ER diagram for the following entities:** 

- □ REGULAR\_PHONE\_CALL (Source\_No, Destination\_No, Time\_Of\_Day, Duration, Customer\_ID)

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- □ LONG\_DISTANCE\_CALL (Source No, Destination No, Time Of Day, Duration, Long\_Distance\_Carrier, Customentons://powcoder.com
- □ CELL\_PHONE\_CALL (Source\_No, destination hat, the provided provi
- ☐ CUSTOMER (Customer ID, Name, Address)
  - ----- Indicating foreign key

    Indicating PK

# Group Formingsignment Project Exam Help

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#### **Assignment Groups**

- Form your groups
- Fill in the form
- The Team Leader should amail the form to tutor
- The First name on the from will be the Team Leader <a href="https://powcoder.com">https://powcoder.com</a>
   Each group will be allocated a Group-ID by the tutor.
- - e.g. T10A-99 T10A is the Autorial session Pant 99 for group number.

### To do for Week 3

- ☐ Week 3 Course Preparation
- Assignment Project Exam Help

  You will receive an email with your login details and how to access it in
- UNSW myAccess (or in the Section of the section of

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☐ SQL credentials are NOT the same as UNSW credentials