

Assignment 1 - 20% – groups of 3 students

Your Task

Your task is to complete a database design for the Assignment 1 case study.

Model the system described in the case study by drawing a **physical data model** (ER diagram) using MySQL Workbench. Your ER diagram must conform to the notation used in this subject (object notation = ‘Workbench Simplified’, relationships notation = ‘Crows Foot’, show data types). Your model should be in at least 3rd normal form.

Create also a **data dictionary** which includes short explanations of the purpose and structure of your 3 largest entities (“largest” means having the most columns). Follow the format in the example Data Dictionary provided.

Create also a **work breakdown** which identifies the work performed by each group member. This should take about half a page of text.

If you are uncertain about any detail, seek clarification via LMS or at a Student Consultation.

Assessment

This assignment is worth 20% of your marks in the subject.

Your work will be assessed according to its correctness and completeness. ‘Correctness’ refers to whether your model and data dictionary adhere to the required rules and syntax. ‘Completeness’ refers to whether the model includes all of the required entities and relationships and can handle the data storage problems and business requirements.

Each assignment is marked out of 100: 90 for the ER model and 10 for the data dictionary. The work breakdown is a hurdle. Up to 5 marks will be deducted for poor readability; i.e. clear layout and readable text are required.

Late submissions will be penalized at 10% per day.

The assignment must be completed in groups of 3. Other group sizes will be penalized unless permission is sought for exceptional circumstances.

Submission

Submit your assignment as a **single PDF document** via the LMS by midnight on the due date.

Use Workbench File/Export to create a PNG file of your ER diagram and copy it into your word processor. This will typically work better in Landscape orientation. Under the ER diagram add your data dictionary and team work breakdown. Please ensure that you place the **student number** (not name) of each group member in the header of every page of your assignment. You may use the Word template file on LMS to help you get the format right.

Academic Honesty

Plagiarism - the copying of another's work without proper acknowledgment - is not permitted; nor is allowing another person to copy your work. Work submitted for assessment purposes must be the independent work of the students concerned. Please refer to <http://academichonesty.unimelb.edu.au/> for details about academic honesty.

Academic misconduct occurs when students portray someone else's work as their own. There are many ways in which Academic misconduct can occur. Some of these are:

- *Sham Paraphrasing*: Material copied verbatim but represented as paraphrased.
- *Illicit Paraphrasing*: Material paraphrased without in-line acknowledgement of source.
- *Other Plagiarism*: Material copied from another student with their knowledge.
- *Verbatim Copying*: Material copied verbatim without acknowledgement of source.
- *Recycling*: Same assignment submitted more than once for different subjects.
- *Ghost Writing*: Assignment written by third party and represented as own work.
- *Purloining*: Assignment copied from another student without their knowledge.

The university is committed to graduating students with "a profound respect for truth, and for the ethics of scholarship... we want our graduates to be capable of independent thought, to be able to do their own work, and to know how to acknowledge the work of others" (Prof. Peter McPhee). All students should be aware of the website <http://academichonesty.unimelb.edu.au/advice.html> which provides practical advice to students about how to avoid academic misconduct.

Quick checklist (Reproduced with permission of Dr Stephen Morgan, Faculty of Economics and Commerce)

1. Be certain to acknowledge sources fairly and avoid plagiarising, review this checklist before beginning to write your essay and again after you have completed your first draft.
2. What type of source are you using: your own independent material, common knowledge, or someone else's independent material?
3. If you are quoting someone else's material, is the quotation exact? Have you used quotation marks for quotations run into the text? Have you set off block quotes with an extra space before and after the quote, single spacing within the quote, and left indenting of all lines of the block quote? Are omissions shown with ellipses and additions with square brackets?
4. If you are paraphrasing someone else's material, have you rewritten it in your own words and sentence structures? Does your paraphrase employ quotation marks when you resort to the author's exact language? Have you represented the author's meaning without distortion?
5. Have you acknowledged each use of someone else's material?
6. Do all references contain complete and accurate information on the sources you have cited?