MONASH University
Information Technology

FIT2094-FIT3171 Databases

2021 Semester 2

Assignment 1B Checklist

Required Actions:

- ❏ Carefully checked the Marking Rubric in the assignment document so you are aware of the mark allocation
- ❏ Normalisation
  - ❏ Normalised two forms (Staffing and Class Attendance [for attendance, two samples provided but only normalise attendance once]). Normalised each from UNF to 3NF showing all stages and dependencies at each step (i.e. partial dependencies in 1NF, transitive dependencies in 2NF, full dependencies in 3NF)
  - ❏ Included all attributes shown on the forms
  - ❏ Did *not* add any surrogate keys in normalisation
  - ❏ Clearly indicated PK's using underline
  - ❏ Completed attribute synthesis
- ❏ Logical Model
  - ❏ Followed FIT2094-FIT3171 logical model notation/requirements:
    - ❏ Used Crow's foot/Information Engineering notation for the logical model
    - ❏ Does *not* show data types and sizes
    - ❏ Does show legend on logical model
    - ❏ Does show a label for each relationship
    - ❏ Added common prefix for all attributes in each relation (e.g. emp_no, emp_name)
    - ❏ Added comments for all attributes (used comments in RDBMS)
  - ❏ Added at least one surrogate key to the logical model
  - ❏ Included required check clauses and lookup tables
  - ❏ Included FULL normalisation results (final 3NF) in the logical model
  - ❏ Checked that normalisation attribute names are identical to logical model attribute names
  - ❏ For each relation, all attributes are shown on the diagram (no downward pointing diamond displayed to show some attributes are hidden)
  - ❏ Made sure there are no data anomalies in the final logical model (ie. all relations are in 3NF)

- ❏ Schema File
  - ❏ Schema file has extension .sql
  - ❏ Included DROP table commands at head of schema file
  - ❏ Has not been edited other than to add header (student details) and SPOOL/ECHO commands
  - ❏ Captured run of schema file via SPOOL/ECHO commands

Required files have been pushed to FIT GitLab server (at least 3 pushes of the model):

- ❏ mm_normalisation source file (e.g. docx) and pdf
- ❏ mm_logical.pdf (check this is your final model and produced via File - Data Modeler - Print Diagram - To PDF File from within SQL Developer, do not use screen capture)
- ❏ mm_oraclemodel project folder which includes:
  - ❏ the .dmd file,
  - ❏ and the folder of the same name

  You must push this project folder while you are drawing the model with the SQL Developer Data Modeler
- ❏ mm_schema.sql
- ❏ mm_schema_output.txt
- ❏ mm_assumptions source file (e.g. docx) and pdf

Finally, 6 individual files have been submitted to Moodle:

- ❏ mm_normalisation.pdf
- ❏ mm_logical.pdf
- ❏ mm_oraclemodel.zip which includes:
  - ❏ the .dmd file,
  - ❏ and the folder of the same name.

  You MUST ensure that the zip archive of the model is tested for completeness (i.e. unzipped and opened in a new location - see video: Preparing Files for Submission in week 6)
- ❏ mm_schema.sql
- ❏ mm_schema_output.txt
- ❏ mm_assumptions.pdf