



#### Required Actions:

##### ☐ Normalisation

- ☐ Normalises two forms ("Training course attendance details" *and* "Clinic visit invoice"). The normalisation must be carried out form by form (i.e. **one form at a time**) from UNF to 3NF
- ☐ Includes all attributes shown in the reports unless indicated otherwise (check A1B forum)
- ☐ Does not add extra attributes which are not on the forms
- ☐ Does not add surrogate keys in normalisation
- ☐ Does show dependencies at each step (i.e. partial dependencies in 1NF, transitive dependencies in 2NF, full dependencies in 3NF)
- ☐ Clearly shows all candidate keys for each relation in 1NF
- ☐ Clearly indicates PK's using underline
- ☐ Carries out attribute synthesis

##### ☐ Logical Model

- ☐ Draws a logical model based on:
  - ☐ assignment 1A conceptual model
  - ☐ your marker's feedback
  - ☐ your reading of A1A and A1B case study
  - ☐ the normalisations result (Final 3NF relations)
- ☐ Checks that normalisation attribute names are identical to logical model attribute names

- ☐ Follows FIT9132 logical model notation (see your "Week 6 Applied Class document):
  - ☐ Uses Crow's foot/Information Engineering notation for the logical model
  - ☐ Does **not** show data types and sizes on the logical model
  - ☐ Does show legend on logical model (change the name shown to your group name)
  - ☐ Does show a label for each relationship
    - ☐ Adds a *common* prefix for all attributes in each relation based on the relation name (e.g. emp\_no, emp\_name)
  - ☐ Adds at least one surrogate key to the logical model
  - ☐ Adds comments for all attributes (uses comment in RDBMS)
  - ☐ Includes all required check clauses and lookup tables
- ☐ Schema File
  - ☐ Schema file has extension .sql
  - ☐ Includes DROP table commands at head of schema file
  - ☐ Captures run of schema file via SPOOL/ECHO commands
- ☐ Self and Peer Review
  - ☐ Complete and submit Self and Peer Review on Feedback Fruit

### **Required files present in your groups private channel:**

- ☐ pf\_normalisation MS Word document (all normalisation must be carried out within this document, it MUST NOT be simply the final result)
- ☐ pf\_group##\_Ass1B\_diary eg. pf\_A01-Group001\_Ass1B\_diary for group001 MS Word Group Diary (filled in following each meeting)
- ☐ pf\_assumptions MS Word document

### **Required files have been pushed to FIT GitLab server (*at least 9 pushes of the model evenly spread across the group*):**

- ☐ pf\_logical.pdf
- ☐ pf\_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 on SQL Developer Data Modeler***

- ❑ pf\_schema.sql
- ❑ pf\_schema\_output.txt

**Seven required files have been submitted to Moodle and pushed to FIT GitLab server:**

- ❑ pf\_normalisation.pdf
- ❑ pf\_logical.pdf
- ❑ pf\_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)**

- ❑ pf\_schema.sql
- ❑ pf\_schema\_output.txt
- ❑ pf\_assumptions.pdf
- ❑ pf\_##\_Ass1B\_diary.pdf (replace ## with your group number)

Note: The Normalisation document (pf\_normalisation.pdf), group diary (pf\_##\_Ass1B\_diary.pdf with ## renamed) and the assumptions document (pf\_assumptions.pdf) only need to be pushed to GitLab once, as their final version, just before you submit to Moodle. The history for these documents is maintained in MS Teams.