

Assignment 2 – Marking Guide
COMP1140 -2018 S2
School of SEEC, University of Newcastle, Callaghan, Australia

Marks: out of 100

1. Revised content of assignment 1: Requirement Specification, EER Diagram and Data Dictionary, Transaction Requirements, Business Rules (25 marks)
 - * Requirements Specification (Clarity and completeness) 5 marks
 - * EER Diagram and Data Dictionary 15 marks
 - +Rightness & Completeness of EER model
 - +Data dictionary and documentation
 - * Transaction Requirements 2.5 marks
 - * Business Rules 2.5 marks
2. Mapping of the EER model to the relational model in DBDL (50 marks)
 - +Mapping of each relation & attributes
 - +Mapping of each relationship
3. Normalizing the relational schema to Boyce-Codd Normal Form (20 marks)
 - +Discussion of functional dependencies, judgement of what norm form that each relation is in, and process of normalising up to BCNF for all relations (e.g., if a relation is in 2nd normal form, give your reason why it is in 2nd form, then show all the process to normalise it up to BCNF).
 - At least 2 cases of normalisation are shown to demonstrate your understanding of normalisation (The exemplar could be from any norm form up to BCNF, e.g., from first norm form up to BCNF, or from third norm form up to BCNF. In case of not being able to identify lower norm form, some assumption of function dependency is acceptable).
4. Report Writing (5 marks)
 - +style, grammar, etc.