

## Comp 1630

### Relational Database Design & UML

#### EXERCISE 4b - NORMALIZATION

A Microsoft Access database has been created to store employee information by someone unfamiliar with relational database concepts, and it is therefore not normalized. The particulars come from a form that contains employee information such as name and address, department, supervisor, experience, education, references, and union membership.

1. Using the un-normalized database file **Comp1630 Exercise 4b UNF.accdb** to start, develop a database that is in 3NF called **A00123456\_Ex4b.accdb**.
2. Several new entities and relationships will be required to create the normalized database. Make improvements in the way attribute names have been assigned and create the relationships necessary to make the database work. This exercise requires compound keys since there are several identifying relationships formed. Use the 'AutoNumber' feature to generate that part of the primary key of the child table.
3. Submit the PDF image of your work in the D2L Ex4 drop box.