

## Comp 1630

### Relational Database Design & UML


#### EXERCISE 4a - NORMALIZATION

A Microsoft Access database has been created to store purchase orders by someone unfamiliar with relational database concepts, and it is therefore not normalized.

1. To get started, use the database **Comp1630 Exercise 4a UNF.accdb** provided as well as the Purchase Order below, to develop a database in 3NF called **A00123456\_Ex4a.accdb**.
2. Several new entities and relationships will be required to create the database.
3. Submit the PDF image of your work in the D2L Ex4 drop box.

PURCHASE ORDER				P.O. 95005	
<b>VENDOR:</b>		<b>ATL001</b> ATL Tools Ltd. 1234 Main Street Vancouver BC V5R 6J8	<b>DEPT:</b> 1200 Machine Shop		
			<b>BY:</b> 1757 George Jones		
			<b>JOB:</b> J15766		
<b>CONTACT:</b>		John Smith	604-123-4567		

LINE	PART	DESCRIPTION	QTY	PRICE	AMOUNT
1	ABC-5998	Wrench	1	45.00	45.00
2	XHN-6683	Hammer	3	18.00	54.00
3	BBR-5531	Socket	20	4.50	90.00
4	ESA-6028	Saw	2	58.00	116.00
				<b>TOTAL</b>	<b>305.00</b>

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