

# Exercise #5 (2016Z)

**Due: Sec1: Oct 11 (Tu) & Sec2: Oct 13 (Thurs)**

**Points: 10 points**

**Pratt & Last (8<sup>th</sup> ed.): TAL Distributors [TAL] Database; Transform to Data Warehouses**

- 1. Assignments must have cover sheet (scoring form with your name) and table of contents (Table of contents should include page numbers). Use ACCESS, with the TAL database.**
- 2. Redesign the TAL database as a data warehouse as described in Adamson & Venerable [Chapters 1 & 2] and Jukic [Chapter 7]. Use the Star diagram as the basis for their design. Be sure to include a meaningful Time dimension table. See website.**
- 3. Turn-in printouts of the REVISED Star Diagrams for the database.**
- 4. On a separate page(s), clearly identify for each database:**
  - 1. Fact tables, dimension tables, primary keys, foreign keys, alternate keys, etc. Use the Relationship Report feature in Access to Print out the ERD.**
  - 2. Use Relational Notation from Pratt & Last, which I stressed in class.**
- 5. Identify the correct Normal Form [1NF, 2NF, 3NF, etc.] of each table.**

**•NOTE: You should use the ORIGINAL Access copy of the TAL database for this assignment.**

Name: \_\_\_\_\_ Day / Eve Score: \_\_\_\_\_/10

# Homework #5 Scoresheet

## BCIS 4660 Database Warehouse Concepts

(10 Points)

### Homework Assignment #5 Score sheet

| Assignment Appearance | ScoreSheet<br>Table of Contents     | $\pm \frac{1}{2}$<br>$\pm \frac{1}{2}$ | SCORE<br>/-1 |
|-----------------------|-------------------------------------|--|--------------|
| Problem No.           | SQL or ERD and/or<br>Relation lists | Datasheet<br>View                      |              |
| TAL                   | Star Diagram                        |  |              |
| TAL                   | OrderDetail                         |  | /2           |
| TAL                   | Time2015                            |  | /2           |
| TAL                   | Rep                                 |  | /1           |
| TAL                   | Item                                |  | /1           |
| TAL                   | Customer                            |  | /1           |
| TAL                   | SUBTOTAL                            |  | /7           |
|                       |                                     |  |              |
| TAL                   | Relation List                       |  | /1           |
|                       | Keys                                |  | /1           |
| TAL                   | Normal Forms                        |  | /1           |
| TAL                   | SUBTOTAL                            | Maximum                                | /3           |
|                       |                                     |  |              |
| TAL                   | MAXIMUM TOTAL                       |  | /10          |

Comments: