

# Assignment 4 – ETL for Simple Enterprise Data Warehouse

## Spring 2022

The due date for the assignment 4 is **2/18/2022 (midnight)**. It must be submitted through the “Assignment 4 – ETL for Simple Enterprise Data Warehouse” in Assignment Submission Folder provided in the D2L. It is important that you specify your name in the SQL Server Integration Service DTSX file and Word document. The attachment name should follow the following convention:

BUSA532\_ASSIGNMENT4\_FIRSTNAME\_LASTNAME.DTSX.

BUSA532\_ASSIGNMENT4\_FIRSTNAME\_LASTNAME.DOCX.

### Overview:

Now that we have learned to load data into Date dimension in assignment 3. In assignment 4, we are going to repeat the ETL process for other dimension and fact tables. In this assignment, **you goal is to load data from OLTP database to create dimension and fact table using SSIS.**

### Business scenario:

Please install AdventureWorks database, read the AdventureWorks case study, and analyze the ERD OLTP schema before starting this assignment.

The CEO of Adventure Work Inc. wants a data warehouse to keep track of sales’ performance. The figure below shows tables of Adventure Work Inc.’s OLAP. Three fact metrics that he wants to have for his data warehouse: TotalTaxAmount, TotalSubTotal, and HighestTaxAmountForOrder. **Create SSIS package solution that can perform ETL process to load data into OLAP database (8 points), and submit the mapping document in Word file in D2L (2 points). Please note that SalesPersonDim should handle Slowly Changing Dimension issues.**

The following criteria will be used to grade the assignment:

- Codes are run with detail comment, accurate, and answers are correct.

\*\*\*\*\*NOTE \*\*\*\*\*

Please feel free to consult your instructor by email or phone, if you have questions or need assistance!!



