

LABORATORY ACTIVITY 5

Objective:

Upon completion of this exercise, the students gain better insight to Data Warehousing logical design.

Prerequisites:

ERDPlus – ERDPlus is a database modeling tool for creating Entity Relationship Diagrams, Relational Schemas, Star Schemas, and SQL DDL statements. You can gain access to this tool through <https://erdplus.com/#/> by downloading a standalone desktop version or by signing up for an account to use the online version.

Task:

You are to construct a star schema for Simplified Automobile Insurance Company. The relevant dimensions, dimension attributes, and dimension sizes are as follows:

InsuredParty	Attributes: InsuredPartyID and Name.
CoverageItem	Attributes: CoverageKey and Description.
Agent	Attributes: AgentID and AgentName.
Policy	Attributes: PolicyID and Type
Period	Attributes: DateKey and FiscalPeriod

Facts to be recorded for each combination of these dimensions are PolicyPremium, Deductible, and NumberOfTransactions. Design a star schema for this problem.

Files to be submitted:

1. Exported Image (.png file)
2. Exported SQL (.docx or .txt file)