IST722: Unit 05 Participation Questions

**This is an individual assignment.**

**Before you begin, please make sure you’ve read and understand 1) our class honor code, 2) course policies on late work and 3) participation policies as posted on the syllabus. “I didn’t know” is not an excuse.**

**You should cite your sources in a standard format like MPA or APA and include a list of works cited.**

|  |  |
| --- | --- |
| Your Name: | Harsh Rajesh Darji |
| Your Email: | hrdarji@syr.edu |

# Instructions

Answer each of the following questions as concisely as possible. More is not necessarily better. Please justify your answer by citing your sources from the assigned readings from our textbooks, our class lectures, or online if directed to do so. Be sure to cite in text and include a list of works cited. Place your answer below each question. When you’re finished, print out this document and bring it to class as part of your participation grade.

# Questions

1. What is the difference between a conformed dimension and a role-play dimension? Please Cite.

Conformed dimension is master or common reference dimension while role playing dimension play more than one logical dimension role. Conformed dimension is shared across business process in the data warehouse. Whereas role-playing dimension are not. In role-playing dimension, we cannot drill across multiple fact tables to produce kind of reports we want. But for a conformed dimension we can drill-across. Also, it’s reusable and takes lower time to develop next start schema.

1. Your professor argues that every fact table should have a degenerate dimension. Why? No need to cite.

Degenerate dimension is rapidly changing dimension. There are too many of the attributes which keep on changing so if we create different dimension for each of them there would be lot of different dimension. So, every fact table should have a degenerate dimension. Specifically, when there’s one -one relationship. Order-> order number, flight-> flight number. This allow us to easily drill through to operational data.

1. Give an example (I can think of 2) of when it would be necessary to snowflake your star schema. No need to cite.

When the sub dimension is used by several dimensions

When the sub dimension is used by both the main dimension and the fact table(s)

To make “base dimension” and “detail dimensions”

To enrich a date attribute

1. DimManufacturer and DimPackaging, used by several product dimensions in a manufacturing data mart, b) DimEmployee in Project data mart, and c) DimCustomer in a CRM data warehouse.

WORKS CITED:

Inmon, W. H.BuildingtheDataWarehouse,FourthEdition. John Wiley & Sons., 2005.

Kimball, Ralph, andMargy Ross.TheDataWarehouseToolkit:TheDefinitiveGuidetoDimensionalModeling,ThirdEdition. John Wiley & Sons. 2013.Books24x7