Project Guidelines

Project Guidelines

▶ Project Requirements

    ▶ Fact Table

        ▶ At least 20,000 records

        ▶ Try to keep below 1,000,000 records for ease of use

        ▶ At least 2 measures

    ▶ Dimension Tables

        ▶ Must have a DATE dimension

        ▶ At least 4 total dimensions (including DATE)

Project Guidelines

▶ SCD2 Requirements

  ▶ At least 2 dimensions must have SCD2 fields

  ▶ At least 1 dimension must have changed SCD2 fields

    ▶ Changed data can be created, but must be processed as load.

  ▶ The SCD2 changes must also appear in Fact data (old and new values).

  ▶ Should have at least 2 Fact table loads processed

Project Guidelines

▶ Report Requirements
  ▶ At least 4 business driven reports
    ▶ 1 standard report
    ▶ 1 report with aggregation (avg. sum, min, etc) employing windowing
    ▶ 1 report with analytical windowning (rank, lead, lag,etc)
    ▶ 1 report showing hierarchical results
  ▶ At least 2 additional business questions generated from the above reports. Reports do not have to be generated, but can be for extra credit consideration
  ▶ Discuss one additional data source that if available would allow you to further analyze your business. (Can be included in above business questions)

Presentation Guidelines

▶ Presentation Topics
  ▶ Business overview,
    ▶ Problem being solved,
    ▶ Data source(s) used
  ▶ Answers to 4 design questions
  ▶ Data Model Overview
    ▶ Schema
    ▶ Dimensions / attributes and why?
    ▶ Facts / measures and why?
    ▶ Tables row numbers and size

Presentation Guidelines

▶ Presentation Requirements

    ▶ 10 – 12 minutes long with Q & A

    ▶ Presentation should stand on its own.

        ▶ Can be reviewed after presentation completed

Presentation Guidelines

▶ Presentation Topics (cont)

- ▶ ETL Overview
    - ▶ Source File Discussion
    - ▶ SCD2 Discussion
    - ▶ ETL Tips / Lessons Learned
- ▶ Report discussion (show at least 2)
- ▶ Additional business question discussion
- ▶ Lessons learned / What you would do different