Self-Evaluation Rubric for the Module 3 Assignment

Self-evaluation supports an honest assessment of knowledge and skills about a module. You should apply the rubric to assess your performance so that you can learn from your mistakes. An error is an opportunity to correct a misunderstanding about a concept, problem statement, or software/language feature. Learning from mistakes is an important key to success. You should consider mistakes as an essential element of your learning process. If you doubt the importance of learning from mistakes, please search under "learning from mistakes" to read about the benefits of learning from mistakes.

To apply this rubric, you should compare your solution to the solution document. If you have major errors or many medium and minor errors, you should rework problems with errors without seeing the solution and then reassess your revised solutions. You should see improvement on your second attempt along with an understanding of your errors.

Table 1: Rubric for Self-Evaluation of Problem 1

Rubric Element	**Error Type**	**Comments**
Customer dimension	Major	Customer dimension with attributes
Calendar or date dimension	Major	Calendar or date dimension with at least one hierarchy
Franchise dimension	Medium	Franchise dimension with attributes
Item dimension	Major	Can have one dimension for item or two dimensions for service and merchandise with attributes

Table 2: Rubric for Self-Evaluation of Problem 2

Rubric Element	**Error Type**	**Comments**
Quantity measure	Major	Additive measure
Price measure	Medium	One or two non-additive measures for merchandise price and service category price

Table 3: Rubric for Self-Evaluation of Problem 3

Rubric Element	Error Type	Comments
Cardinality specifications	Major	Each dimension should have a cardinality specification.
Sparsity formula	Major	Sparsity estimated using formula from the notes
Sparsity estimation	Minor	Sparsity estimate should be close to solution.

Table 4: Rubric for Self-Evaluation of Problem 4

Rubric Element	Error Type	Comments
Cardinality specifications	Major	ERD should have minimum and maximum cardinality specifications for each relationship.
Cardinality specifications correctness	Medium	Cardinality specifications should match solution or be consistent with solution for a less simplified ERD.
Fact table	Major	Should have at least one fact table
Dimension tables	Major	Should have at least 3 dimension tables
Flatten transformation	Minor	Should indicate a flatten transformation
Merge transformations	Minor	Should indicate at least one merge transformation

Table 5: Rubric for Self-Evaluation of Problem 5

Rubric Element	Error Type	Comments
Summarizability problem identification	Medium	Should identify one or more summarizability problems
Summarizability problem resolution	Minor	Should indicate one or more possible resolutions for each summarizability problem

Table 6: Rubric for Self-Evaluation of Problem 6

Rubric Element	Error Type	Comments
Sample rows for each table	Major	Each table has sample rows.
Primary keys	Minor	New primary key values to identify rows
Foreign keys	Medium	Foreign keys should be valid.

Table 7: Rubric for Self-Evaluation of Solution Quality

Rubric Element	**Error Type**	**Comments**
Schema pattern	Major	Should use a star, snowflake, or constellation schema pattern
Missing data	Minor	Should have all rows from data sources represented in the sample tables
Simplicity	Minor	Should apply the flatten transformation for one fact table. Should apply merge at least one dimension table or fact table.