IT460 Unit 8 Assignment Rubric

Course: IT460 Systems Analysis and Design

Criterion 1	**Level III Max Points** 12 points	**Level II Max Points** 10 points	**Level I Max Points** 7 points	**Not Present** 0 points	**Criterion Score**

Criterion 1	**Level III Max Points** 12 points	**Level II Max Points** 10 points	**Level I Max Points** 7 points	**Not Present** 0 points	**Criterion Score**
Criterion 1: ERD Construction Based on Normalized Data	Meets all criteria: • ERD reflects a logical relational model derived from the provided data fields. • Diagram demonstrates appropriate normalization concepts in its overall structure. • ERD accurately represents the business scenario and data relationships de-	Meets two criteria: • ERD reflects a logical relational model derived from the provided data fields. • Diagram demonstrates appropriate normalization concepts in its overall structure. • ERD accurately represents the business scenario and data relationships de-	Meets one criterion: • ERD reflects a logical relational model derived from the provided data fields. • Diagram demonstrates appropriate normalization concepts in its overall structure. • ERD accurately represents the business scenario and data relationships de-	Does not meet any criteria.	/ 12

Criterion 1	**Level III Max Points** 12 points	**Level II Max Points** 10 points	**Level I Max Points** 7 points	**Not Present** 0 points	**Criterion Score**
	scribed in the assign-ment.	scribed in the assign-ment.	scribed in the assign-ment.		

Criterion 2	**Level III Max Points** 10 points	**Level II Max Points** 8.5 points	**Level I Max Points** 6 points	**Not Present** 0 points	**Criterion Score**

Criterion 2	**Level III Max Points** 10 points	**Level II Max Points** 8.5 points	**Level I Max Points** 6 points	**Not Present** 0 points	**Criterion Score**
Criterion 2: Entities and Attributes	Meets all criteria: • Entities are appropriately identified based on the provided data fields. • Each entity includes a complete and relevant set of attributes. • Attributes are logically assigned to the correct entities without unnecessary duplication.	Must have: • Entities are appropriately identified based on the provided data fields. And at least one of the following: • Each entity includes a complete and relevant set of attributes. • Attributes are logically assigned to the correct entities without unnecessary duplication.	Required criterion: • Entities are appropriately identified based on the provided data fields.	Does not meet any criteria.	/ 10

Criterion 3	**Level III Max Points** 8 points	**Level II Max Points** 6.5 points	**Level I Max Points** 4 points	**Not Present** 0 points	**Criterion Score**
Criterion 3: Primary and Foreign Keys	Meets all criteria: • Primary keys are clearly identified for each entity and are appropriate unique identifiers. • Foreign keys are correctly identified and placed to support the relationships shown in the ERD. • For any given relationship: Foreign keys are correctly associated	Meets both criteria: • Primary keys are clearly identified for each entity and are appropriate unique identifiers. • Foreign keys are correctly identified and placed to support the relationships shown in the ERD.	Required criterion: • Primary keys are clearly identified for each entity and are appropriate unique identifiers.	Does not meet any criteria.	/ 8

Criterion 3	**Level III Max Points** 8 points	**Level II Max Points** 6.5 points	**Level I Max Points** 4 points	**Not Present** 0 points	**Criterion Score**
	with their corre-spond-ing pri-mary keys				

Criterion 4	**Level III Max Points** 8 points	**Level II Max Points** 6.5 points	**Level I Max Points** 4 points	**Not Present** 0 points	**Criterion Score**

Criterion 4	**Level III Max Points** 8 points	**Level II Max Points** 6.5 points	**Level I Max Points** 4 points	**Not Present** 0 points	**Criterion Score**
Criterion 4: Relationships and Cardinality	Meets all criteria: • Relationships between entities are correctly identified based on the data and business rules provided. • Crow's foot notation is used correctly to represent relationships. • Cardinality (one-to-one, one-to-many, many-to-many) is represented accurately.	Meets two criteria: • Relationships between entities are correctly identified based on the data and business rules provided. • Crow's foot notation is used correctly to represent relationships. • Cardinality (one-to-one, one-to-many, many-to-many) is represented accurately.	Meets one criterion: • Relationships between entities are correctly identified based on the data and business rules provided. • Crow's foot notation is used correctly to represent relationships. • Cardinality (one-to-one, one-to-many, many-to-many) is represented accurately.	Does not meet any criteria.	/ 8

Criterion 5	**Level III Max Points** 7 points	**Level II Max Points** 5.5 points	**Level I Max Points** 3.5 points	**Not Present** 0 points	**Criterion Score**

Criterion 5	**Level III Max Points** 7 points	**Level II Max Points** 5.5 points	**Level I Max Points** 3.5 points	**Not Present** 0 points	**Criterion Score**
Criterion 5: Normalization and Denormalization	Meets all of the following criteria: • Explains the steps and purpose of First, Second, and Third Normal Form (1NF, 2NF, 3NF) accurately and clearly. • Explains the importance of normalization in maintaining data integrity, reducing redundancy, and supporting efficient data retrieval, using relevant examples.	Meets most of the following criteria: • Explains the steps and purpose of First, Second, and Third Normal Form (1NF, 2NF, 3NF) accurately and clearly. • Explains the importance of normalization in maintaining data integrity, reducing redundancy, and supporting efficient data retrieval, using relevant examples.	Meets half or fewer of the following criteria: • Explains the steps and purpose of First, Second, and Third Normal Form (1NF, 2NF, 3NF) accurately and clearly. • Explains the importance of normalization in maintaining data integrity, reducing redundancy, and supporting efficient data retrieval, using relevant examples.	Does not meet any criteria.	/ 7

Criterion 5	**Level III Max Points** 7 points	**Level II Max Points** 5.5 points	**Level I Max Points** 3.5 points	**Not Present** 0 points	**Criterion Score**
	• Accurately describes denormalization and explains appropriate scenarios where denormalization may be beneficial.	• Accurately describes denormalization and explains appropriate scenarios where denormalization may be beneficial.	• Accurately describes denormalization and explains appropriate scenarios where denormalization may be beneficial.		

Criterion 6	**Level III Max Points** 5 points	**Level II Max Points** 4 points	**Level I Max Points** 3 points	**Not Present** 0 points	**Criterion Score**

Criterion 6	**Level III Max Points** 5 points	**Level II Max Points** 4 points	**Level I Max Points** 3 points	**Not Present** 0 points	**Criterion Score**
Criterion 6: Writing Quality, APA Formatting, and Submission Requirements	Meets all of the following criteria: • Writing is clear, professional, and appropriate for an academic audience. • Work is free of significant grammar, spelling, punctuation, and capitalization errors. • APA paragraph formatting is used consistently for all written	Meets most of the following criteria: • Writing is clear, professional, and appropriate for an academic audience. • Work is free of significant grammar, spelling, punctuation, and capitalization errors. • APA paragraph formatting is used consistently for all written	Meets half or fewer of the following criteria: • Writing is clear, professional, and appropriate for an academic audience. • Work is free of significant grammar, spelling, punctuation, and capitalization errors. • APA paragraph formatting is used consistently for all	Does not meet any criteria.	/ 5

Criterion 6	**Level III Max Points** 5 points	**Level II Max Points** 4 points	**Level I Max Points** 3 points	**Not Present** 0 points	**Criterion Score**
	portions of the assignment. • All required documents and diagrams are packaged and submitted according to the assignment instructions (correct file type, naming convention, and inclusion of Visio files).	portions of the assignment. • All required documents and diagrams are packaged and submitted according to the assignment instructions (correct file type, naming convention, and inclusion of Visio files).	written portions of the assignment. • All required documents and diagrams are packaged and submitted according to the assignment instructions (correct file type, naming convention, and inclusion of Visio files).		

Total	/ 50

Overall Score

Level III Max Points	Level II Max Points	Level I Max Points	Not Present
41.01 points minimum	27.51 points minimum	1 point minimum	0 points minimum