Consider This: Your Turn 1-1

Creating the Craft Database

Sample Grading Rubric

Part 1:

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| **Consider This: Plan Ahead Guidelines** | **Grading Notes** | **Suggested**  **Percent** | **Score** |
| 1. Identify the tables that will be included in the database. | There are two tables: Student and Product in the database. Students could assign different names to the tables | 35 |  |
| 1. Determine the primary keys for each of the tables | Student Code and Product Code are the primary keys. | 5 |  |
| 1. Determine the additional fields that should be included in each of the tables. | Product table includes: Product Code, Description, Price, On Hand, and Student Code.  Student table includes: Student Code, Last Name, First Name, Street City, State, Postal Code, and Phone Number. | 30 |  |
| 1. Determine relationships between the tables a. Identify the “one” table b. Identify the “many” table c. Include the primary key of the “one” table as a field in the “many” table. | The one table is the Student table and the Product table is the many table. | 5 |  |
| 1. Determine data types for the fields in the tables | All fields except Price and On Hand should be Short Text fields. Price is a Currency field. On Hand is a number field and it should be an integer. | 10 |  |
| 1. Determine additional properties for fields a. Determine if a special caption is warranted b. Determine if a special description is warrented c. Determine field sizes d. Determine formats | These properties are optional for this database. |  |  |
| 1. Identify and remove any unwanted redundancy | N/A |  |  |
| 1. Determine a storage location for the database | N/A |  |  |
| 1. Determine the best method for distributing database objects | N/A. |  |  |
|  | Students should have created a Wood Crafts for Sale report | 10 |  |
|  | There should be 16 records in the Product/Item table and 4 records in the Student table | 5 |  |

Part 2: Critical Thinking Decisions

This assignment requires students to explain why they made these decisions in creating their databases:

* Identify tables in the database
* Determine primary keys
* Determine additional fields
* Determine data types
* Determine field sizes
* Determine captions
* Determine how to add records

Students also should explain what method they used to add data to each table. They also should identify other methods that could have worked.

Possible Answers:

The method that each student used will differ.

Students could have imported the data from the Excel workbook to each table. One way to do this would be to create two workbooks: one with data for the Product table and one with data for the Student table. They could change field sizes, formats, and data types after importing the data.

Other methods include:

* Entering the data for each table manually
* Entering the data for the Product table by importing the workbook and entering the data for the Student table manually.