Consider This: Your Turn 1-2

Creating the Mums Landscaping 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 should be two tables: Customer and Supervisor. Students could use different names for the tables. | 35 |  |
| 1. Determine the primary keys for each of the tables | Customer Number is the primary key for the Customer table and Supervisor Number is the primary key for the Supervisor table. | 5 |  |
| 1. Determine the additional fields that should be included in each of the tables. | The Customer table includes: Customer Number, Customer Name, Address, Postal Code, Telephone Number, Amount Paid, Balance, and Supervisor Number.  The Supervisor table includes: Supervisor Number, Last Name, First Name, Address, City, Postal Code, Hourly Rate, and Start Date | 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 Supervisor table is the one table and the Customer table is the many table. | 5 |  |
| 1. Determine data types for the fields in the tables | In the Customer table, all fields except Amount Paid and Balance are Short Text fields. Amount Paid and Balance are Currency data types.  In the Supervisor table, all fields except Hourly Rate and Start Date are Short Text fields. Hourly rate is a currency data type and Start Date is a Date/Time field. | 15 |  |
| 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 | While these are not required, captions for Customer Number and Supervisor Number would be appropriate. Also, using correct field sizes for postal codes and telephone number helps improve data accuracy. Currency should display 2 decimal places. | 5 |  |
| 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 |  |  |
|  | The Customer table should have 15 records and the Supervisor table should have 3 records. | 5 |  |
|  | The sample solution file includes a query, form, and report. You could require your students to create these. |  |  |

Part 2: Critical Thinking Decisions

This assignment requires students to explain why they made these decisions in creating the 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 field they decided to use for the primary key and why.

* Customer Number is the primary key for the Customer table because it uniquely identifies each customer.
* Supervisor Number is the primary key for the Supervisor table because it uniquely identifies each supervisor.