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| DBDD Database Project |
| Ege Bulut - ID: 2309773 |
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| **22-Mar-17** |

# Establish Requirements

# Database Analysis

Name of company and description of the business

Description of interview 10

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Database design

Entity Relationship Diagram (PK and FK and all fields) 15

Table design details (one for each table. Example here) 10

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field name | Data type | Key | Required | Notes/Indexed/Default value |
| Customer ID | CHAR(6) | PK | Yes | Indexed |
| Last Name | VARCHAR(45) |  | Yes |  |
| FirstName | VARCHAR(45) |  | Yes |  |
| Address1 | VARCHAR(45) |  |  |  |
| Town | VARCHAR(20) |  |  | Brighton |
| BankCode | CHAR(6) |  | Yes | Indexed |

Create tables SQL statements 5

Insert data SQL statements 5

DML queries: 25

Here are some generic examples

1. list the ItemNumber and Description for all items that cost more than a given amount.
2. list the ItemNumber and Description for all items that cost more than a given amount and were produced by an artist with a surname beginning with a user entered letter.
3. list the LastName and FirstName of customers who have made at least one purchase with PreTaxAmount greater than a given value.
4. list the LastName and FirstName of customers who have purchased items that costs more than a given value.
5. list the LastName and FirstName of customers who have purchased an item that was created by an artist with a name that begins with a letter entered by the user.
6. show the full name, number of purchases and total purchase amount for each customer.
7. show the Artist ID, the name and total commission either needed to be paid or already paid. Sort the results by Artist Name.
8. *calculate the total value of all Purchases. Each record will show the Purchase ID, the data and the total value*
9. *count the number of items purchased by a given customer..*
10. *Write an Update query to add 10% to all Agreed Prices.*
11. *Write an Insert query to add all sold items from the ITEM to a new table called SOLD\_ITEMS. (First make copies of your tables!!)*
12. *Write a DELETE query to delete sold items from the ITEM table.*

(Attached mwb files for me to test)

Total 70 marks