Project Submission

**Course Title: Management Information Systems**

**Course Code: MIS 442**

**Section: 5**

**Project Title: Creation Of Database**

**Company Name: Ford Motor Company**

**Submitted By**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **Student ID** | **Student Name** | **Position** | **Marks** |
| 1 | 1930580 | Syed Ali Redwanul Haider | Group Leader |  |
| 2 | 1931051 | Adiba Haque | Member |  |
| 3 | 2021294 | Tafeem Kamal | Member |  |
| 4 | 1910843 | A B M Mashrur Zaman | Member |  |

**Submitted To:**

**Md. Aminul Islam, CSCA**

Lecturer

Department of Management Information Systems (MIS)

School of Business and Entrepreneurship (SBE)

Independent University, Bangladesh

Letter of Transmittal

3rd December, 2022

To,

Md. Aminul Islam, CSCA

Lecturer

Department of Management Information Systems

School of Business and Entrepreneurship

Independent University, Bangladesh

Subject: Submission of the “Group Project”

Dear Sir,

We are delighted to submit the “Group Project” which you had authorized us to prepare as MIS442 course requirement. We have enjoyed preparing the report, though it was challenging to finish within the given time. To prepare this report, we have tried our level best to include all the relevant information.

So, we, therefore, hope that you will find it in order and if you have any query, please do not hesitate to contact us.

Thanking You,

Group 9

Acknowledgement

We convey our sincere gratitude to our honorable faculty, Md. Aminul Islam, our course supervisor, Independent University, Bangladesh. Without his kind direction and proper guidance this project would have been a little successful. In every phase of the project his supervision and guidance shaped this report to be completed perfectly. He had also supported us by showing different methods and strategies to make this project fruitful. He never gets tired of helping us when we needed the most and gave the right direction toward completion. Thank you, Sir, we are forever grateful to you.

We are also grateful to our friends and well-wishers who helped us preparing the project by their valuable assistance, support, and information. Your effort inspired us to improve our plan in a sustainable way. You inspired us to be better.

Thank you.

ERD:

![Diagram

Description automatically generated]()

1. The most expensive product

SELECT max(vehicle\_price)

From vehicle;

![Graphical user interface, table

Description automatically generated with medium confidence]()

1. Average price of the product.

SELECT avg(vehicle\_price)

From vehicle;

![Graphical user interface, application, table, Excel

Description automatically generated]()

1. List of their products and price in ascending form

SELECT model\_name, vehicle\_price

From vehicle

ORDER BY model\_name ASC;

![Table

Description automatically generated]()

1. Total number of car sold and total earned amount

SELECT Count(sales\_id) AS Sold\_Numer, Sum(sales\_price) AS Amount\_sold

From sales

![Table, Excel

Description automatically generated]()

1. Minimum price of their product

SELECT Min(vehicle\_price)

From vehicle;



6.Name of the customer where the vehicle id is 15 or 16

select customer\_name

From customer

where vehicle\_id= 15 OR vehicle\_id=16;

![Graphical user interface, application, table

Description automatically generated]()

7.Select sales id where the customer has id of 32 and vehicle has id of 15

select sales\_id

From sales

where customer\_id= 32 AND vehicle\_id=15;

![Graphical user interface, application, table

Description automatically generated]()

8. Select the sales id where the customer id’s field is null.

select sales\_id

From sales

where customer\_id=Null;

![Graphical user interface, table, Excel

Description automatically generated]()

9 Select the customer name with more than id of 15

select customer\_name

From customer

where customer\_id>15;

![Table

Description automatically generated]()

10 List the car models order by customer\_id

select customer\_name

From customer

ORDER BY customer\_id;

![Table

Description automatically generated]()

11 The names of the cars who has price more than 200200

select model\_name

From vehicle

Where Vehicle\_price>200200;

![Table

Description automatically generated with medium confidence]()

12 The names of the cars who has price less than 200200

select model\_name

From vehicle

Where Vehicle\_price<200200;

![Graphical user interface, application, table, Excel

Description automatically generated]()

13 The name of the supplier who bough cars from the manufacturer with id more than 26

select supplier\_name

From supplier

Where manufacturer\_id>26;

![Graphical user interface, application, table, Excel

Description automatically generated]()

14. Number of suppliers who has bought cars from manufacturers having id more than 12.

select Count(supplier\_name)

From supplier

Where manufacturer\_id<12;

![Graphical user interface, application, table, Excel

Description automatically generated]()

15 List of manufacturer name and their contact numbers

select manufacturer\_name, manufacturer\_contact

From manufacturer

![Table

Description automatically generated]()

16. The list of showroom and their manager’s name

select showroom\_name, manager\_name

From showroom

![Table

Description automatically generated]()

17 list of vehicle ID which are Station Wagon

select vehicle\_id

From vehicle

Where vehicle\_type ="Station Wagon";

![Table

Description automatically generated]()

18. The max product unit from manufacturer

SELECT Max(unit\_production) AS Expr1

FROM manufacturer;

![Graphical user interface, application, table, Excel

Description automatically generated]()

19

20. Average price of a Minivan of Ford

select avg(vehicle\_price) AS Average\_Price

From vehicle

Where vehicle\_type ="MINIVAN";

![Graphical user interface, application, table, Excel

Description automatically generated]()

21. Select Model name, vehicle price and the vehicle type of the vehicle having price more than 300000 and it shall be a sports car.

Select model\_name, vehicle\_price, vehicle\_type

From vehicle

Where vehicle\_price>300000 AND vehicle\_type="SPORTS CAR"

![Table

Description automatically generated]()

22 list of vehicle ID and name which are sports car

select vehicle\_id, model\_name

From vehicle

Where vehicle\_type ="SPORTS CAR";

![Graphical user interface, application, table, Excel

Description automatically generated]()

23. The id and the name of the customers who bought cars worth more than 350000

Select customer.customer\_id, customer.customer\_name

From sales, customer

Where customer.customer\_id=sales.customer\_id And sales.sales\_price>350000;

![Table

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24. Select the name of the customer who have id of twelve and bought atleast one product.

Select customer.customer\_name

From sales,customer

Where sales.customer\_id= 12 AND sales.customer\_id=customer.customer\_id;

25 Average production from all the Manufacturer

SELECT AVG(unit\_production) AS AVG\_producting

FROM manufacturer;

![Graphical user interface, application, table, Excel

Description automatically generated]()