

DATABASE MANAGEMENT SYSTEM

Topic : Tables Development

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Course: BSIT (4th Semester)

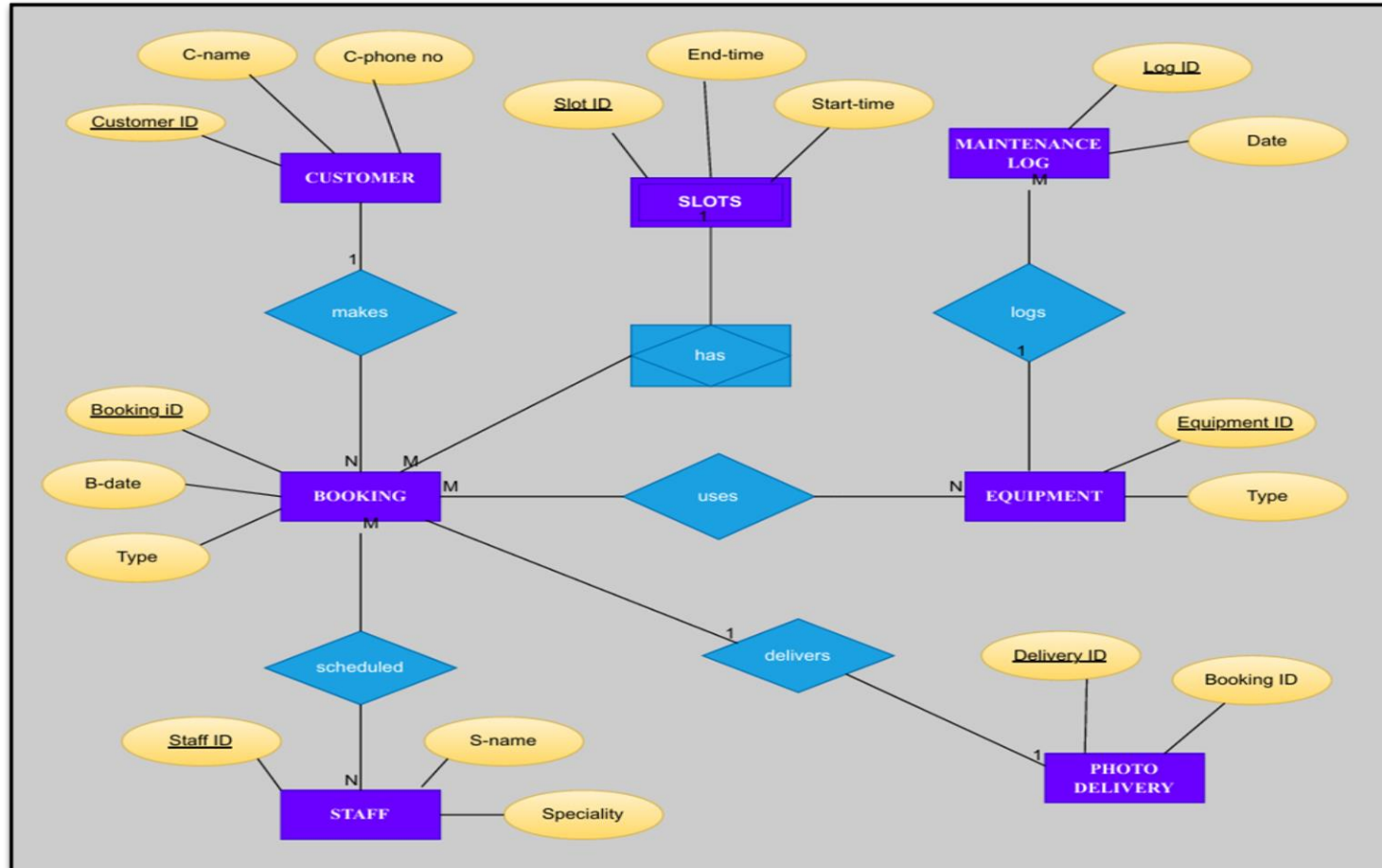
Group No: 13

Subject: Database System

Submitted To: Ma'am Sehrish Khan

ENTITY RELATIONSHIP MODEL

Chen Model



Relational Schema:

- CUSTOMER (Customer_ID, Customer_Name, Customer_Email, Ph_No)
- SLOTS (Slot_ID, Start_Time, End_Time, Customer_ID)
- BOOKING (Booking_ID, Booking_Date, Booking_Type, Customer_ID)
- EQUIPMENT (Equipment_ID, Type)
- MAINTENANCE LOG (Log_ID, Date, Equipment_ID)
- STAFF (Staff_ID, Staff_Name, Speciality)
- PHOTO DELIVERY (Delivery_ID, Delivery_Name, Booking_ID)

IMPLEMENT QUERIES IN MYSQL

Enter password: *****
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.41 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> show databases;
+-----+
| Database |
+-----+
| college |
| information_schema |
| mysql |
| performance_schema |
| psms |
| sakila |
| sys |
| world |
+-----+
8 rows in set (0.00 sec)
```

```
mysql> use PSMS;
Database changed
mysql> show tables;
+-----+
| Tables_in_psms |
+-----+
| booking |
| customer |
| equipment |
| maintenance |
| photo_delivery |
| slot |
| staff |
+-----+
7 rows in set (0.00 sec)
```

```
mysql> describe BOOKING;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| Booking_id | int | NO | PRI | NULL | |
| Booking_date | date | YES | | NULL | |
| Booking_type | varchar(50) | YES | | NULL | |
| Customer_id | int | YES | | NULL | |
+-----+
```

4 rows in set (0.00 sec)

```
mysql> describe CUSTOMER;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| Customer_id | int | NO | PRI | NULL | |
| Customer_name | varchar(25) | YES | | NULL | |
| Customer_email | varchar(100) | YES | | NULL | |
| Ph_No | int | YES | | NULL | |
+-----+
4 rows in set (0.00 sec)
```

```
mysql> describe EQUIPMENT;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| Equipment_id | int | NO | PRI | NULL | |
| Equipment_type | varchar(34) | YES | | NULL | |
+-----+
2 rows in set (0.00 sec)
```

```
mysql> describe MAINTENANCE;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| log_id | int | NO | PRI | NULL | |
| Log_date | date | YES | | NULL | |
+-----+
2 rows in set (0.00 sec)
```

```
mysql> describe Photo_Delivery;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| Delivery_id | int | NO | PRI | NULL | |
| Delivery_name | varchar(50) | YES | | NULL | |
| Booking_id | int | YES | | NULL | |
+-----+
3 rows in set (0.00 sec)
```

```
mysql> describe STAFF;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| staff_id | int | NO | PRI | NULL | |
| staff_name | varchar(25) | YES | | NULL | |
| staff_speciality | varchar(50) | YES | | NULL | |
+-----+
3 rows in set (0.00 sec)
```

```
mysql> describe SLOT;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
```



```
+-----+-----+-----+-----+-----+
| Slot_id | int  | NO   | PRI | NULL |
| Start_time | time | YES  |     | NULL |
| End_time   | time | YES  |     | NULL |
| Customer_id | int  | YES  |     | NULL |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```