Fabric Store Database Design
CS 6360 – 002
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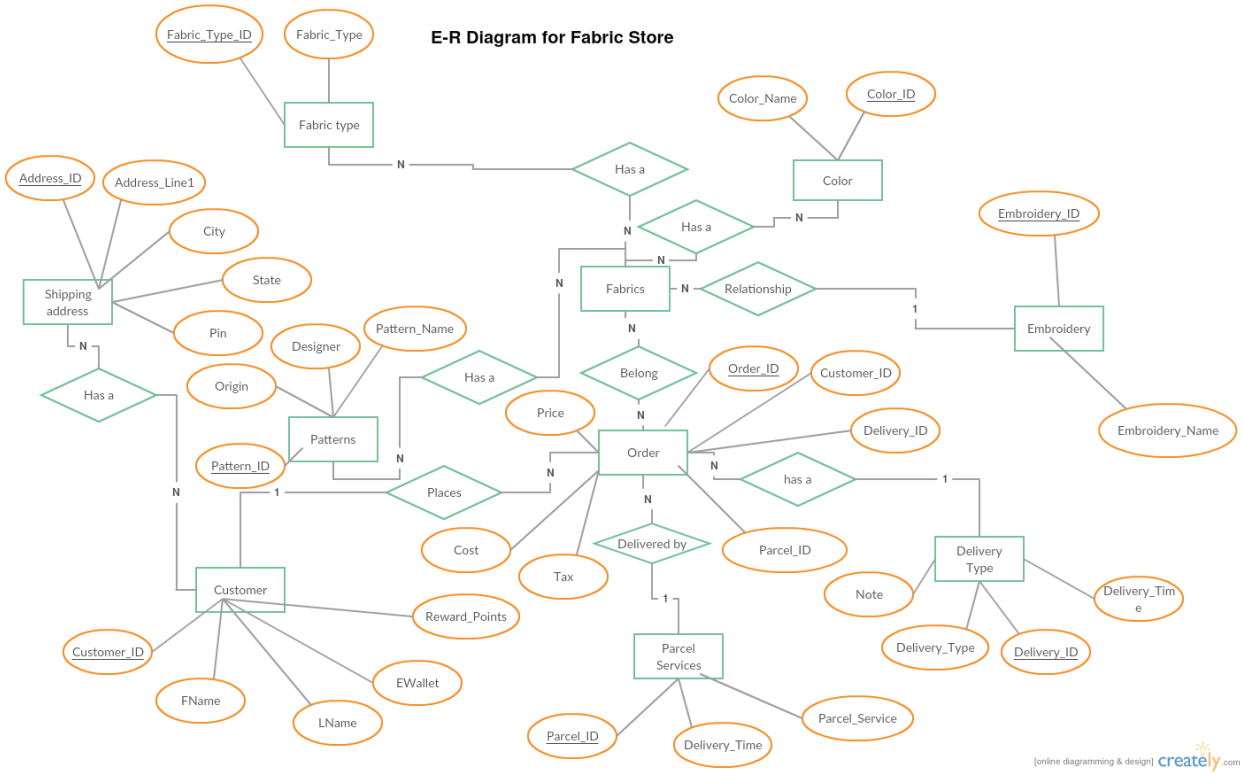
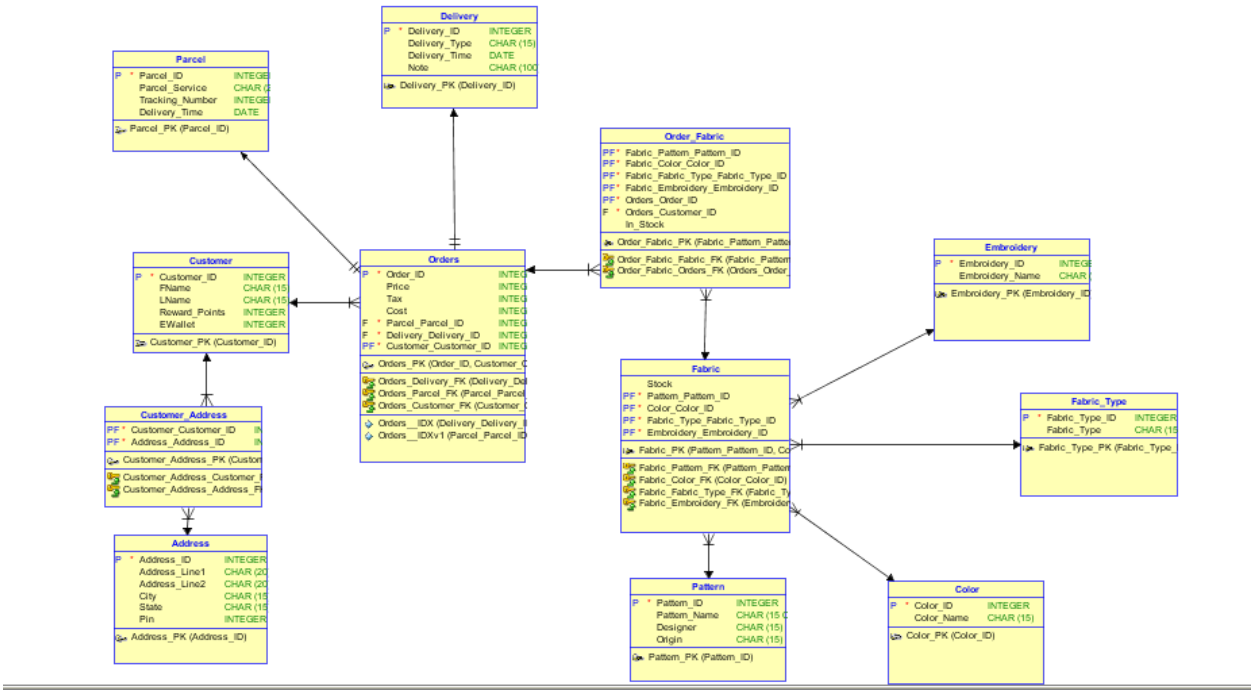
PROJECT REQUIREMENTS:

1. The user should be able to search for an order
2. The user should be able to update his orders
3. The user should be able to cancel his orders
4. The user should be able to place an order
5. The fabrics should be assigned patterns
6. The fabrics should be assigned colors
7. The fabrics should have the option of being embroidered
8. The orders should be delivered by parcel services
9. The orders should have a delivery speed
10. The orders should have shipping information
11. The orders should have fabric information

ENTITY RELATIONSHIP DIAGRAM:



RELATIONAL MODEL:



PL/SQL:

Triggers:

```
-- Triggers `order_fabric`
--
DELIMITER $$
CREATE TRIGGER `parcelinsert` AFTER INSERT ON `order_fabric`
 FOR EACH ROW insert into parcel(
   parcel.Parcel_ID,
   parcel.Parcel_Service,
   parcel.Tracking_Number,
   parcel.Delivery_Time)
VALUES
(
   new.Order_ID,
   "",
   1,
   NOW()
 )
$$
DELIMITER ;
```

This trigger inserts a parcel in the parcel table upon creation of an order

-- Triggers `orders`

```
--
DELIMITER $$
CREATE TRIGGER `Deliveryupdate` BEFORE INSERT ON `orders`
 FOR EACH ROW insert into delivery(
   delivery.Delivery_ID,
   delivery.Delivery_Type,
   delivery.Delivery_Time,
   delivery.Note)
VALUES
(
   New.Order_ID,
   "",
   NOW(),
   ""
 )
$$
DELIMITER ;
```

This trigger initiates a delivery upon creation of an order.

Procedures:

```
DELIMITER $$
--
-- Procedures
--
CREATE DEFINER=`root`@`localhost` PROCEDURE `addressInsert`(IN p_ID INT(11), IN p_A1
CHAR(15), IN p_A2 CHAR(15), IN p_city CHAR(15), IN p_state CHAR(15), IN p_p INT(11))
BEGIN INSERT INTO address ( address.Address_ID, address.Address_Line1, address.Address_Line2,
address.City, address.State,address.Pin ) VALUES ( p_ID, p_A1, p_A2, p_city, p_state ) ; END$$
```

This procedure takes parameters and inserts a row in the customer address table

```
CREATE DEFINER=`root`@`localhost` PROCEDURE `customerInsert`(IN  p_ID   INT(11),
                      IN p_FName CHAR(15),
                      IN p_LName CHAR(15),
                      IN p_p INT(11),
                      IN p_W INT(11))
BEGIN
   INSERT INTO customer
      (
         customer.Customer_ID,
         customer.FName,
         customer.LName,
         customer.Reward_Points,
```

```
        customer.EWallet
    )
  VALUES
    (
     p_ID,
     p_FName,
     p_LName,
     p_p,
     p_W

    ) ;
END$$
```

This procedure takes parameters and inserts a row in the customer table

PROJECT README:
The attached zip has the website code, the database export and the Oracle Data Moadeller's Data Model.

1.Please place the Fabric folder in your htdoc folder run the website.
2.The website will open at localhost/fabric
3.Import the test.sql to your MySql server to import all the triggers, procedures and data and tables and schema in your Mysql database.
4.Please download Oracle SQL data modeler and open the data model using it, to access the logical and relational model.