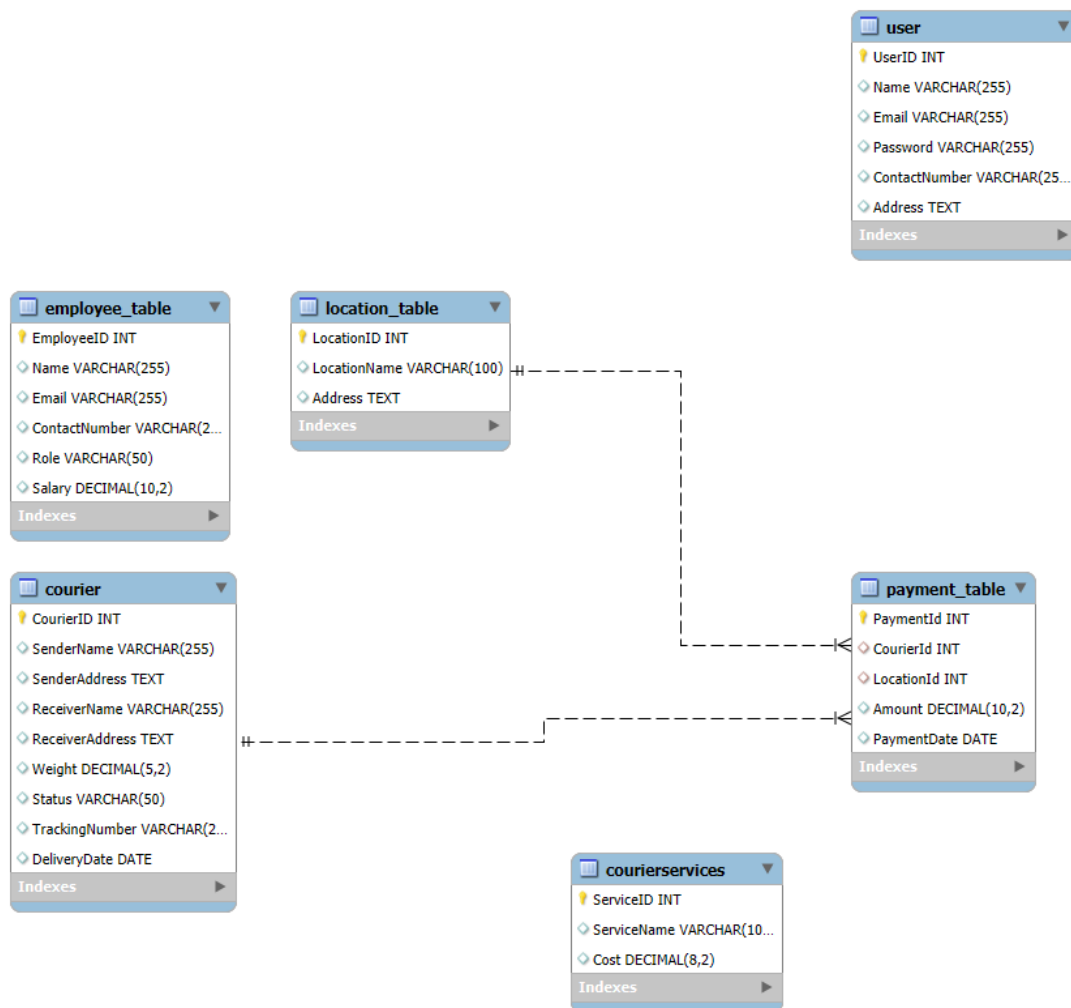# ASSIGNMENT 4- COURIER MANAGEMENT SYSTEM

TASK 1(Part two)

ER DIAGRAMS

INITIAL ER DIAGRAM:

This ER Diagram is according to the table structure given on the Assignment pdf
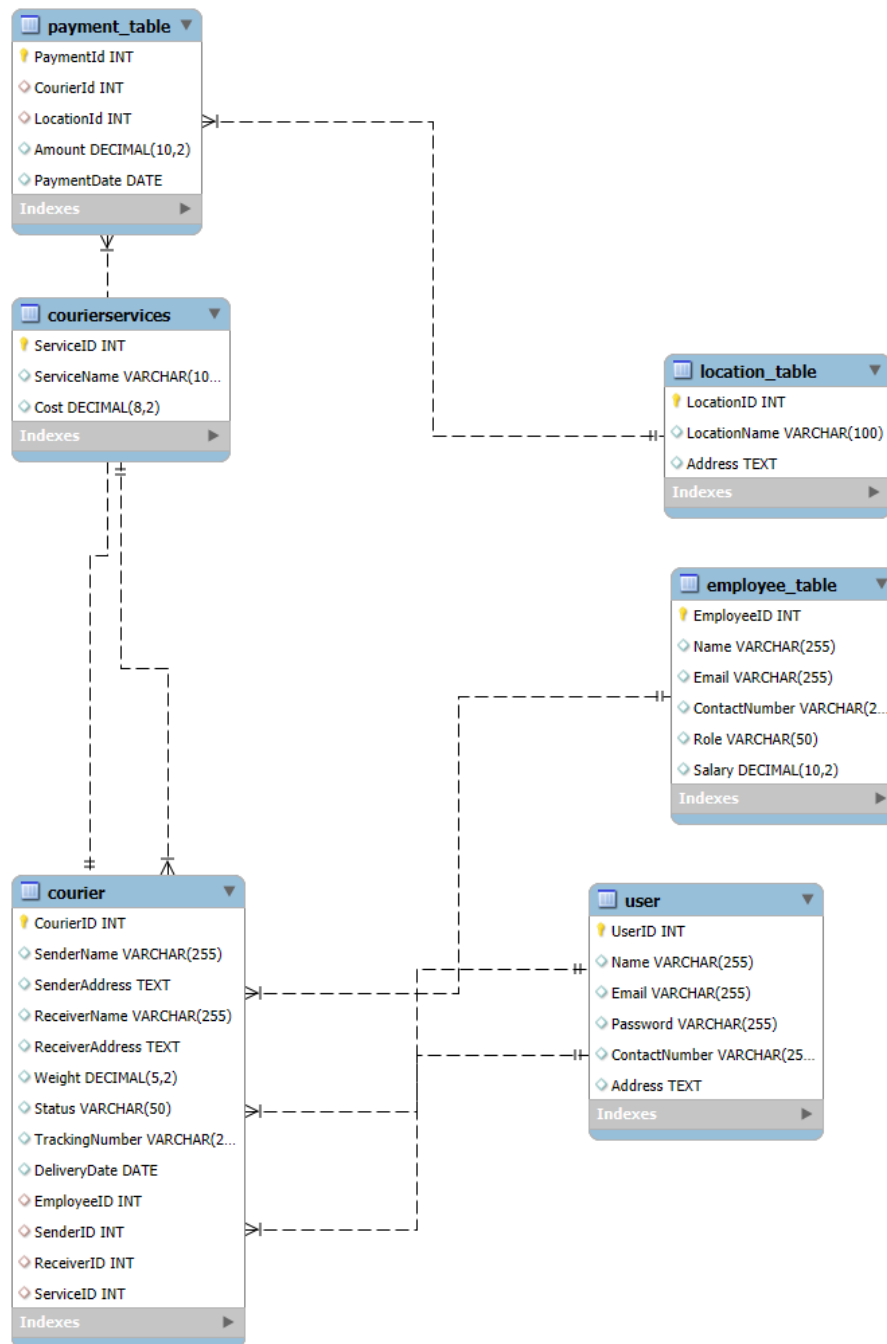

RELATIONSHIP:

- One-to-Many between location_table and payment_table.
- One-to-Many between courier and payment_table.

UPDATED ER DIAGRAM:

To explain all the questions more clearly, I have updated the table structure. The ER diagram for the corresponding table structure is shown below

payment_table
- PaymentId INT
- CourierId INT
- LocationId INT
- Amount DECIMAL(10,2)
- PaymentDate DATE

Indexes

courierservices
- ServiceID INT
- ServiceName VARCHAR(10...
- Cost DECIMAL(8,2)

Indexes

location_table
- LocationID INT
- LocationName VARCHAR(100)
- Address TEXT

Indexes

employee_table
- EmployeeID INT
- Name VARCHAR(255)
- Email VARCHAR(255)
- ContactNumber VARCHAR(2...
- Role VARCHAR(50)
- Salary DECIMAL(10,2)

Indexes

courier
- CourierID INT
- SenderName VARCHAR(255)
- SenderAddress TEXT
- ReceiverName VARCHAR(255)
- ReceiverAddress TEXT
- Weight DECIMAL(5,2)
- Status VARCHAR(50)
- TrackingNumber VARCHAR(2...
- DeliveryDate DATE
- EmployeeID INT
- SenderID INT
- ReceiverID INT
- ServiceID INT

Indexes

user
- UserID INT
- Name VARCHAR(255)
- Email VARCHAR(255)
- Password VARCHAR(255)
- ContactNumber VARCHAR(25...
- Address TEXT

Indexes

RELATIONSHIP:

- One-to-Many: User → Courier
- One-to-Many: Employee → Courier
- One-to-Many: Location → Courier
- One-to-Many: Courier → Payment
- One-to-Many: Location → Payment
- Many-to-One: Courier → CourierServices