

# MySQL demo database model

Database model documentation

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# 1. Model details

**Model name:**

MySQL demo database model

**Version:**

2.3

**Database engine:**

PostgreSQL

**Description:**

## 2. Tables

### 2.1. Table Employee

#### 2.1.1. Columns

Column name	Type	Properties	Description
EmpID	int		
LName	varchar(25)		
SSN	char(9)		
DoH	date		
Address	varchar(50)		
City	varchar(50)		
State	char(2)		
Zip	char(5)		
Email	varchar(50)		
Phone	char(10)		
PayRate	money		

### 2.2. Table Shifts

#### 2.2.1. Columns

Column name	Type	Properties	Description
EmpID	int		
Date	date		
ShiftStart	time		
ShiftEnd	time		
HoursWorked	int		

### 2.3. Table Timesheet

#### Description:

e.g. send after payment, charge after delivery, ...

#### 2.3.1. Columns

Column name	Type	Properties	Description
EmpID	int		

ShiftType	char(2)		
StartDate	Date		
EndDate	Date		
TotalHours	decimal(3,2)		
OTHours	decimal(3,2)		
HolidayHours	decimal(3,2)		
NetPay	money		

## 2.4. Table EmployeeDetail

### 2.4.1. Columns

Column name	Type	Properties	Description
EmpID	int		
EmpCat	int		
PTOHours	decimal(3,2)		
MedInsDeduction	money		
DentInsDeduction	money		

## 3. References

### 3.1. Reference shipment\_details\_shipment

Employee	0..*	Shifts
EmpID	<->	EmpID

### 3.2. Reference shipment\_shipment\_type

Employee	0..*	Timesheet
EmpID	<->	EmpID

### 3.3. Reference shipment\_status\_shipment

Employee	0..*	EmployeeDetail
EmpID	<->	EmpID

## 4. Areas

### 4.1. Payroll subject area

#### 4.1.1. Tables

- Employee
- Shifts
- Timesheet
- EmployeeDetail

#### 4.1.2. References

- shipmet\_details\_shipment
- shipment\_shipment\_type
- shipment\_status\_shipment