|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table** | **Column** | **PK/FK** | **Null?** | **Data Type** | **Description** |
| EMPLOYEE |  |  |  |  | Has information regarding employees. |
|  | empId | PK | N | integer | Uniquely identifies employee. |
|  | empLast |  | N | varchar(15) | Last name. |
|  | empFirst |  | N | varchar(15) | First name. |
|  | empMiddle |  | Y | char(1) | Middle initial (if any). |
|  | empEmail |  | Y | varchar(50) | Email address. |
|  | empPhone |  | N | char(10) | Phone number (area code included). |
|  | empAddress |  | N | varchar(255) | Mailing address. |
|  | empZip |  | N | char(5) | ZIP code. |
|  | empBirth |  | Y | date | Birth date. |
|  | empHire |  | N | date | Hire date. |
| PRODUCT |  |  |  |  | Information about products. |
|  | productId | PK | N | integer | Uniquely identifies product. |
|  | productName |  | N | varchar(255) | Name of product. |
|  | productNew |  | N | integer | New products in stock. |
|  | prodctUsed |  | N | integer | Used products in stock. |
|  | productRepair |  | N | integer | Products that will be moved to used stock when repaired. |
|  | productPriceN |  | Y | numeric(8, 2) | New product price. |
|  | productPriceU |  | Y | numeric(8, 2) | Used product price. |
| CUSTOMER |  |  |  |  | Information about customers. |
|  | customterId | PK | N | integer | Uniquely identifies customer. |
|  | customerLast |  | N | varchar(15) | Last name. |
|  | customerFirst |  | N | varchar(15) | First name. |
|  | customerMiddle |  | Y | char(1) | Middle initial (if any). |
|  | customerEmail |  | Y | varchar(50) | Email address. |
|  | customerPhone |  | Y | char(10) | Phone number (area code included). |
| TRADEIN |  |  |  |  | Information about trade-ins. |
|  | tradeId | PK | N | integer | Uniquely identifies trade-in. |
|  | customerId | FK | Y | integer | References CUSTOMER. |
|  | productId | FK | N | integer | References PRODUCT. |
|  | tradeRep |  | N | tinyint | 1 if product needed repair; 0 otherwise. |
|  | tradePay |  | N | numeric(9, 2) | Money paid to customer for product. |
| ORDERS |  |  |  |  | Information about orders. |
|  | orderId | PK | N | integer | Uniquely identifies order. |
|  | empId | FK | N | integer | References EMPLOYEE. |
|  | customerId | FK | Y | integer | References CUSTOMER. |
|  | orderDate |  | N | date | Date of transaction. |
| SCHEDULE |  |  |  |  | Information about employee shifts. |
|  | empId | PK FK | N | integer | References EMPLOYEE. |
|  | shiftDay |  | N | integer | Day of week (1 = Monday, 5 = Friday). |
|  | shiftStart |  | N | integer | Starting hour (24 hour time scale). |
|  | shiftEnd |  | N | integer | Ending hour (24 hour time scale). |
| LINE |  |  |  |  | Products purchased in orders. |
|  | orderId | PK FK | N | integer | References ORDERS. |
|  | productId | FK | N | integer | References PRODUCT. |
|  | lineCon |  | N | char(1) | Product condition (N=New, U=Used). |
|  | lineRes |  | Y | tinyint | 1 if order is a reservation; 0 otherwise. |
|  | lineRep |  | Y | tinyint | 1 if order is repair request; 0 otherwise. |
|  | linePrice |  | Y | numeric(9, 2) | Money paid by customer for order. |