

Inventory Management System

Relational Database Design



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GitHub Link: https://github.com/aravind8838/Database\_Project.git

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For my system following are the entities:

1. Customer – this entity shows the user who will buy products, the personal details of customer will be stored in this table.
2. Employee – this entity shows the employee working in company. All personal details like name, address, contact, position and salary will be stored in it.
3. Supplier – the details regarding supplier id, name, address, contact will be stored, the brand of product will serve as foreign key in this table which is an attribute of product table.
4. Product – this table will store information regarding products including id, brand id, brand name, model, serial number, availability, date of receiving, sold date. The customer id will serve as foreign key in it. The availability will tell about quantity of product.
5. Order- this table will store information regarding order. Customer and employee id will serve as foreign key in it. It will include invoice number, total price, date of order, quantity and brand id which will serve as foreign key.

**Details of entities with data types**

**Customer**

|  |  |
| --- | --- |
| Customer\_id | Integer |
| Name | varChar[20] |
| Gender | varChar[20] |
| Address | varChar[50] |
| Contact number | Integer |

**Employee**

|  |  |
| --- | --- |
| Employee\_id | Integer |
| Name | varChar[20] |
| Gender | varChar[20] |
| Address | varChar[50] |
| Contact number | Integer |
| Position | varChar[50] |
| Salary | Float |

**Product**

|  |  |
| --- | --- |
| Product\_id | Integer |
| Date\_received | date |
| Brand\_id | Integer |
| Brand\_name | varChar[50] |
| Model | varChar[50] |
| Serial\_no | Integer |
| Availability | Integer |
| Sold\_date | date |
| Customer\_id | Integer |

**Supplier**

|  |  |
| --- | --- |
| Supplier\_id | Integer |
| Name | varChar[20] |
| Gender | varChar[20] |
| Address | varChar[50] |
| Contact number | Integer |
| Brand\_id | Integer |

**Order**

|  |  |
| --- | --- |
| Order\_id | Integer |
| Customer\_id | Integer |
| Employee\_id | Integer |
| Invoice\_no | Integer |
| Total\_price | Float |
| Date\_order | date |
| Brand\_id | Integer |