整体的思路是先定义每个事物的基本属性，然后将这些基本事物的一些信息做关联，写到关系表里面。

role 角色表，系统中的角色信息，role\_name可以有客户、供应商、销售等。

|  |  |
| --- | --- |
| id | role\_name |

group 组别，可以有系统组、非系统组

|  |  |
| --- | --- |
| id | description |

purchase\_cargo 订单货物关联表

|  |  |  |  |
| --- | --- | --- | --- |
| id | cargo\_id | amount | total\_cost |

warehouse\_warrant入库单，订单进入了哪个仓库中，同时也给出了货物的数量

|  |  |  |  |
| --- | --- | --- | --- |
| id | purchase\_id | warehouse\_id | cargo\_amount |

sales\_return退货单，哪个订单进行退货，退了什么货物，退货的数量是多少

|  |  |  |  |
| --- | --- | --- | --- |
| id | cargo\_id | purchase\_id | return\_amount |

role\_group 角色和组关联表，将角色和组关联，为了方便管理

|  |  |  |
| --- | --- | --- |
| id | role\_id | group\_id |

person 人员信息表，有关人的信息都存在这个表里面

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id | person\_name | gender | day\_of\_brith | address | cellphone |

person\_role 人员角色关联表，每个人可以扮演不同的角色

|  |  |  |
| --- | --- | --- |
| id | person\_id | role\_id |

priviledge 权限管理表，权限可以是系统管理员、访客等

|  |  |
| --- | --- |
| id | description |

group\_priviledge 组与权限关联表，类似于linux系统，只有组有相应的权限

|  |  |  |
| --- | --- | --- |
| id | group\_id | priviledge\_id |

geo\_position 地理位置信息表(待补充)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id |  |  |  |  |

warehouse 仓库信息表，有仓库地址、总容量、已使用空间、租约到期时间

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id | detail\_address | capacity | room\_used | rent\_expire\_date |

warehouse\_person 仓库人员关联表，每个仓库有一个仓库管理员

|  |  |  |
| --- | --- | --- |
| id | warehouse\_id | person\_id |

capital 资金表(待补充)

|  |  |  |
| --- | --- | --- |
| id |  |  |

indent 订货单，订货单的一些信息，目前只想到了订货单下单的时间

|  |  |
| --- | --- |
| id | generate\_time |

cargo 货物表，货物的基本信息，包括描述、原产地、单价、价格是单位(USD还是CNY)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id | description | original\_site | price | unit |

cargo\_person 货物人员关联表，每个货物会关联到供应商、销售、客户这些人员

|  |  |  |
| --- | --- | --- |
| id | cargo\_id | person\_id |

cargo\_geo 货物地理位置关联表，表明这个货物来着哪里的

|  |  |  |
| --- | --- | --- |
| id | cargo\_id | geo\_id |