|  |  |  |  |
| --- | --- | --- | --- |
| **ENTITY** | **RELATIONSHIP** | **RELATED TO…** | **DESCRIPTION** |
| USER | ONE TO MANY (association) | SALE | one USER can make many SALE |
| SALE | ONE TO ONE (association) | CUSTOMER | each CUSTOMER makes one SALE |
| MANY TO ONE (association) | USER | one USER can make many SALE |
| MANY TO MANY (association) | PRODUCT | a SALE can have MANY |
|  | ONE TO ONE (association) | INVOICE | each SALE has one INVOICE |
|  |
| PRODUCT MANAGER | INHERITANCE | USER | both ENTITY inherit USER |
| EMPLOYEE | INHERITANCE | USER |
| LAPTOP | INHERITANCE | PRODUCT | all ENTITY inherit PRODUCT |
| CAMERA | INHERITANCE | PRODUCT |
| MOBILE | INHERITANCE | PRODUCT |
| TELEVISION | INHERITANCE | PRODUCT |
| INVOICE | ONE TO ONE (association) | SALE | One INVOICE for one SALE |
|  | ONE TO ONE (association) | CUSTOMER | One INVOICE for one CUSTOMER |
| CUSTOMER | ONE TO ONE (association) | SALE | one COSTUMER can make none or one SALE |
| ONE TO ONE (association) | INVOICE | one COSTUMER can take none or one INVOICE |
| PRODUCT | MANY TO MANY (association) | SALE | one PRODUCT can be in none or in many SALE |
| ORDER | MANY TO MANY (association) | PRODUCT | one ORDER must have at least one PRODUCT |
| PRODUCT MANAGER | ONE TO MANY (association) | ORDER | one PRODUCT MANAGER can make none or even many ORDER |
| SALES\_LIST | ONE TO ONE (association) | SALE | one SALES\_LIST must be in one SALE |

**DESCRIPTION OF ENTITY RELATIONSHIP DIAGRAM**

**ENTITY RELATIONSHIP DIAGRAM (ERD)**

