**关系模式**

**学生S：**

|  |  |  |
| --- | --- | --- |
| **属性** | **Sno**  **学号** | **Spassword**  **统一密码** |
| **数据类型** | **CHAR(8)** | **VARCHAR(12)** |
| **完整性约束条件** | **PRIMARY KEY** | **NOT NULL** |

**用户U1：**

|  |  |  |
| --- | --- | --- |
| **属性** | **Uname**  **用户名** | **Sno**  **学号** |
| **数据类型** | **VARCHAR(40)** | **CHAR(8)** |
| **完整性约束条件** | **PRIMARY KEY** | **FOREIGN KEY REFERENCES S(Sno)**  **UNIQUE** |

**用户U2：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Uname**  **用户名** | **Usexy**  **性别** | **Ucredit**  **信用值** |
| **数据类型** | **VARCHAR(40)** | **INT** | **INT** |
| **完整性约束条件** | **PRIMARY KEY** | **NOT NULL** | **NOT NULL** |
| **属性** | **Uimageaddress**  **头像地址** | **Utimestamp**  **时间戳** |  |
| **数据类型** | **VARCHAR(40)** | **TIMESTAMP** |  |
| **完整性约束条件** | **UNIQUE** | **NOT NULL** |  |

**用户U3：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Uname**  **用户名** | **Upassword**  **密码** | **Uphone**  **联系方式** |
| **数据类型** | **VARCHAR(40)** | **VARCHAR(12)** | **CHAR(11)** |
| **完整性约束条件** | **PRIMARY KEY** | **NOT NULL** |  |
| **属性** | **Uemail**  **邮箱** | **Utimestamp**  **时间戳** |  |
| **数据类型** | **VARCHAR(40)** | **TIMESTAMP** |  |
| **完整性约束条件** |  | **NOT NULL** |  |

**信用度C：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Clevel**  **信用等级** | **Cleft**  **信用值左闭** | **Cright**  **信用值右闭** |
| **数据类型** | **INT** | **INT** | **INT** |
| **完整性约束条件** | **PRIMARY KEY** | **UNIQUE** | **UNIQUE** |

**管理员A：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Ano**  **工号** | **Aname**  **姓名** | **Apassword**  **密码** |
| **数据类型** | **CHAR(8)** | **VARCHAR(40)** | **VARCHAR(12)** |
| **完整性约束条件** | **PRIMARY KEY** | **NOT NULL** | **NOT NULL** |
| **属性** | **Asexy**  **性别** | **Aphone**  **联系方式** | **Aemail**  **邮箱** |
| **数据类型** | **INT** | **CHAR(11)** | **VARCHAR(40)** |
| **完整性约束条件** | **NOT NULL** | **UNIQUE** | **UNIQUE** |
| **属性** | **Atimestamp**  **时间戳** |  |  |
| **数据类型** | **TIMESTAMP** |  |  |
| **完整性约束条件** | **NOT NULL** |  |  |

**权限R：**

|  |  |  |
| --- | --- | --- |
| **属性** | **Rno**  **权限编号** | **Rcontent**  **权限内容** |
| **数据类型** | **INT** | **VARCHAR(400)** |
| **完整性约束条件** | **PRIMARY KEY** | **UNIQUE** |

**物品G1：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Gno**  **物品编号** | **Gname**  **名称** | **Uname**  **用户名** |
| **数据类型** | **INT** | **VARCHAR(40)** | **VARCHAR(40)** |
| **完整性约束条件** | **PRIMARY KEY** | **NOT NULL** | **FOREIGN KEY REFERENCES U1(Uname)**  **NOT NULL** |
| **属性** | **Gtype**  **类型** | **Gstate**  **状态** | **Gtimestamp**  **时间戳** |
| **数据类型** | **VARCHAR(40)** | **INT** | **TIMESTAMP** |
| **完整性约束条件** | **NOT NULL** | **NOT NULL** | **NOT NULL** |

**物品G2：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Gno**  **物品编号** | **Ano**  **管理员编号** | **Gcheck**  **检验结果** |
| **数据类型** | **INT** | **CHAR(8)** | **INT** |
| **完整性约束条件** | **PRIMARY KEY** | **FOREIGN KEY REFERENCES A(Ano)**  **NOT NULL** | **NOT NULL** |
| **属性** | **Gtimestamp**  **时间戳** |  |  |
| **数据类型** | **TIMESTAMP** |  |  |
| **完整性约束条件** | **NOT NULL** |  |  |

**物品G3：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Gno**  **物品编号** | **Ginstruction**  **简介** | **Gparameter**  **参数** |
| **数据类型** | **INT** | **VARCHAR(400)** | **VARCHAR(400)** |
| **完整性约束条件** | **PRIMARY KEY** |  |  |
| **属性** | **Gtime**  **使用时间/月** | **Gprice**  **估计价格/元** | **Gtimestamp**  **时间戳** |
| **数据类型** | **INT** | **INT** | **TIMESTAMP** |
| **完整性约束条件** |  |  | **NOT NULL** |

**标签T：**

|  |  |  |
| --- | --- | --- |
| **属性** | **Tno**  **标签编号** | **Tcontent**  **标签内容** |
| **数据类型** | **INT** | **VARCHAR(40)** |
| **完整性约束条件** | **PRIMARY KEY** | **UNIQUE** |

**图片I：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Ino**  **图片编号** | **Iaddress**  **图片地址** | **Gno**  **物品编号** |
| **数据类型** | **INT** | **VARCHAR(40)** | **INT** |
| **完整性约束条件** | **PRIMARY KEY** | **UNIQUE** | **FOREIGN KEY REFERENCES G1(Gno)**  **NOT NULL** |

**信件M：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Mno**  **信件编号** | **Maddress**  **信件地址** | **Mdate**  **信件日期** |
| **数据类型** | **INT** | **VARCHAR(40)** | **DATE** |
| **完整性约束条件** | **PRIMARY KEY** | **UNIQUE** | **NOT NULL** |
| **属性** | **Mtime**  **信件时间** |  |  |
| **数据类型** | **TIME** |  |  |
| **完整性约束条件** | **NOT NULL** |  |  |

**用户限制URE：**

|  |  |  |
| --- | --- | --- |
| **属性** | **Uname**  **用户名** | **Rno**  **权限编号** |
| **数据类型** | **VARCHAR(40)** | **INT** |
| **完整性约束条件** | **PRIMARY KEY** | |
| **FOREIGN KEY REFERENCES U1(Uname)** | **FOREIGN KEY REFERENCES R(Rno)** |

**管理员限制ARE：**

|  |  |  |
| --- | --- | --- |
| **属性** | **Ano**  **工号** | **Rno**  **权限编号** |
| **数据类型** | **CHAR(8)** | **INT** |
| **完整性约束条件** | **PRIMARY KEY** | |
| **FOREIGN KEY REFERENCES A(Ano)** | **FOREIGN KEY REFERENCES R(Rno)** |

**描述DES：**

|  |  |  |
| --- | --- | --- |
| **属性** | **Gno**  **物品编号** | **Tno**  **标签编号** |
| **数据类型** | **INT** | **INT** |
| **完整性约束条件** | **PRIMARY KEY** | |
| **FOREIGN KEY REFERENCES G1(Gno)** | **FOREIGN KEY REFERENCES T(Tno)** |

**浏览BRO：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Uname**  **用户名** | **Gno**  **物品编号** | **BROdate**  **浏览日期** |
| **数据类型** | **VARCHAR(40)** | **INT** | **DATE** |
| **完整性约束条件** | **PRIMARY KEY** | | **NOT NULL** |
| **FOREIGN KEY REFERENCES U1(Uname)** | **FOREIGN KEY REFERENCES G1(Gno)** |

**提案PLA：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Gnoplan**  **物品编号\_提案方** | **Gnoadopt**  **物品编号\_采纳方** | **PLAmoney**  **附加现金/元** |
| **数据类型** | **INT** | **INT** | **INT** |
| **完整性约束条件** | **PRIMARY KEY** | |  |
| **FOREIGN KEY REFERENCES G1(Gno)** | **FOREIGN KEY REFERENCES G1(Gno)** |
| **属性** | **PLAstate**  **提案状态** |  |  |
| **数据类型** | **INT** |  |  |
| **完整性约束条件** | **NOT NULL** |  |  |

**交易CHA：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Gnoplan**  **物品编号\_提案方** | **Gnoadopt**  **物品编号\_采纳方** | **CHAmoney**  **附加现金** |
| **数据类型** | **INT** | **INT** | **INT** |
| **完整性约束条件** | **PRIMARY KEY** | **FOREIGN KEY REFERENCES G1(Gno)**  **UNIQUE** |  |
| **属性** | **CHAstate**  **交易状态** |  |  |
| **数据类型** | **INT** |  |  |
| **完整性约束条件** | **NOT NULL** |  |  |

**通信COM：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Mno**  **信件编号** | **Unamesend**  **用户名\_发件人** | **Unamereceive**  **用户名\_收件人** |
| **数据类型** | **INT** | **VARCHAR(40)** | **VARCHAR(40)** |
| **完整性约束条件** | **PRIMARY KEY** | **FOREIGN KEY REFERENCES U1(Uname)**  **NOT NULL** | **FOREIGN KEY REFERENCES U1(Uname)**  **NOT NULL** |

**通知NOT：**

|  |  |  |  |
| --- | --- | --- | --- |
| **属性** | **Mno**  **信件编号** | **Ano**  **工号** | **Uname**  **用户名** |
| **数据类型** | **INT** | **CHAR(8)** | **VARCHAR(40)** |
| **完整性约束条件** | **PRIMARY KEY** | **FOREIGN KEY REFERENCES A(Ano)**  **NOT NULL** | **FOREIGN KEY REFERENCES U1(Uname)**  **NOT NULL** |