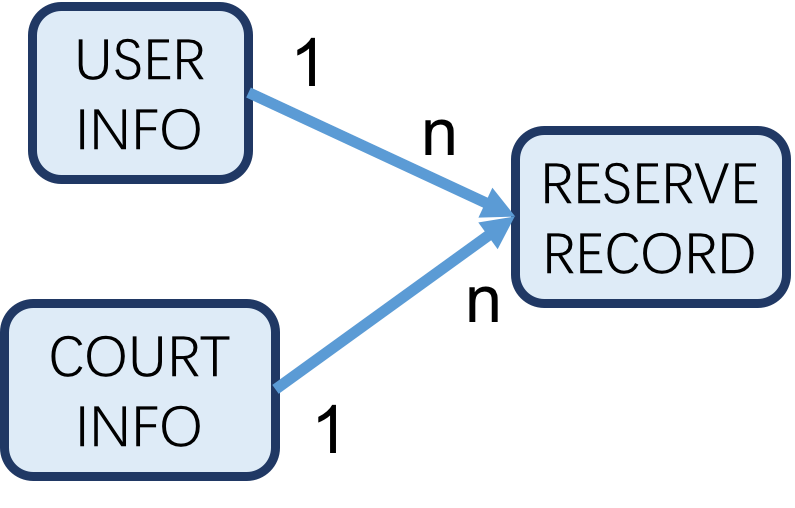
1. **场馆场地个数：**

|  |  |  |  |
| --- | --- | --- | --- |
|  | 篮球 | 乒乓球 | 羽毛球 |
| 光体 | 4 | 0 | 0 |
| 南体 | 2 | 6 | 2 |
| 新体 | 1 | 0 | 4 |
| 光标楼 | 0 | 2 | 0 |

1. **场馆开放时间：16:00-21:00**
2. **E-R图：**

****

1. **数据库设计**

* **USER：**

**- user\_id**

**- name**

**- username**

**- password**

**- phone**

* **COURT：**

**- court\_id**

**- court\_category**

**- stadium**

**- court\_no**

* **RESERVE：**

**- reserve\_id**

**- court\_id**

**- start\_date**

**- start\_hour**

**- user\_id**

**- status (1: success, 2: cancel, 3: fail)**

1. **用户注册：**

**register (username, password, name, telephone)**

**return True/False**

1. **用户登录：**

**login (username, password)**

**return True/False**

1. **用户信息查看：**

**user\_info (user\_id)**

**return [USER]**

1. **用户信息修改：**

**modify (username, new\_password, new\_phone)**

**return True/False**

1. **场馆名称id映射：**

**map\_court\_name\_id ()**

**return [COURT]s**

1. **场地查询：**

**query\_by\_category (category)**

**return [COURT]s**

**query\_by\_time (start\_time, hour)**

**return [COURT]s**

**query\_by\_category\_and\_time (category, start\_time, hour)**

**return [COURT]s**

1. **预约场地：**

**reserve\_court (court\_id, start\_time, hour)**

**return True/False**

1. **取消预约：**

**cancel reserve (reserve\_id)**

**return True/False**

1. **用户查看所有预约记录：**

**reserve\_info (user\_id)**

**return [RESERVE]**