**Member\_booking**

Database model documentation

Created with Vertabelo.com

# 1. Model details

**Model name:** 
Member\_booking

**Version:** 
2.3

**Database engine:** 
oracle

# 2. Tables

## 2.1. Table Member

2.1.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| m\_id | integer |  |  |
| m\_username | varchar2(256) |  |  |
| m\_email | varchar2(256) |  |  |
| m\_password | varchar2(256) |  |  |
| m\_avatar | blob |  |  |
| m\_reg\_date | timestamp |  |  |
| m\_BOD | date |  |  |
| m\_mobile | varchar2(256) |  |  |
| m\_freezed | char(1) |  |  |
| m\_start\_date | date |  |  |
| m\_last\_attend\_date | date |  |  |

## 2.2. Table MemberShip

2.2.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| ms\_id | integer |  |  |
| ms\_date | date |  |  |
| ms\_duration | date |  |  |
| ms\_fee | float(5) |  |  |
| ms\_discount | float(5) |  |  |
| Member\_m\_id | integer |  |  |

## 2.3. Table Member\_booking

2.3.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| mb\_id | integer |  |  |
| mb\_time | timestamp |  |  |
| Member\_m\_id | integer |  |  |
| Facilities\_f\_id | integer |  |  |
| Group\_Course\_gc\_id | integer |  |  |

## 2.4. Table Creadit\_Card

2.4.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| cc\_number | number(0,10) |  |  |
| cc\_name | varchar2(256) |  |  |
| cc\_expired\_date | date |  |  |
| Member\_m\_id | integer |  |  |

## 2.5. Table Facilities

2.5.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| f\_id | integer |  |  |
| f\_name | varchar2(256) |  |  |
| f\_max\_use\_time | number(0,256) |  |  |
| f\_description | number(0,256) |  |  |

## 2.6. Table Group\_Course

2.6.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| gc\_id | integer |  |  |
| gc\_name | varchar2(256) |  |  |
| gc\_room | varchar2(256) |  |  |
| gc\_description | varchar2(256) |  |  |
| Trainer\_t\_id | integer |  |  |

## 2.7. Table Trainer

2.7.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| t\_id | integer |  |  |
| t\_name | integer |  |  |
| t\_profile | integer |  |  |

## 2.8. Table Payment

2.8.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| p\_id | number(0,10) |  |  |
| p\_date | date |  |  |
| p\_type | number(0,10) |  |  |
| p\_amount | float(5) |  |  |
| Creadit\_Card\_cc\_number | number(0,10) |  |  |
| MemberShip\_ms\_id | integer |  |  |

## 2.9. Table Articles

2.9.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| a\_id | integer |  |  |
| a\_title | integer |  |  |
| a\_content | integer |  |  |
| Article\_Group\_ag\_id | integer |  |  |

## 2.10. Table Article\_Group

2.10.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| ag\_id | integer |  |  |
| ag\_name | varchar2(256) |  |  |

## 2.11. Table Attendence

2.11.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| at\_id | integer |  |  |
| at\_start\_datetime | integer |  |  |
| at\_end\_datetime | integer |  |  |
| Member\_m\_id | integer |  |  |

## 2.12. Table Timetable

2.12.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| tt\_id | integer |  |  |
| tt\_startTime | timestamp |  |  |
| Group\_Course\_gc\_id | integer |  |  |
| tt\_endTime | timestamp |  |  |
| Facilities\_f\_id | integer |  |  |

# 3. References

## 3.1. Reference MemberShip\_Member

|  |  |  |
| --- | --- | --- |
| **Member** | **1..\*** | **MemberShip** |
| m\_id | <-> | Member\_m\_id |

## 3.2. Reference Member\_booking\_Member

|  |  |  |
| --- | --- | --- |
| **Member** | **0..\*** | **Member\_booking** |
| m\_id | <-> | Member\_m\_id |

## 3.3. Reference Creadit\_Card\_Member

|  |  |  |
| --- | --- | --- |
| **Member** | **0..\*** | **Creadit\_Card** |
| m\_id | <-> | Member\_m\_id |

## 3.4. Reference Member\_booking\_Facilities

|  |  |  |
| --- | --- | --- |
| **Facilities** | **0..\*** | **Member\_booking** |
| f\_id | <-> | Facilities\_f\_id |

## 3.5. Reference Member\_booking\_Group\_Course

|  |  |  |
| --- | --- | --- |
| **Group\_Course** | **0..\*** | **Member\_booking** |
| gc\_id | <-> | Group\_Course\_gc\_id |

## 3.6. Reference Group\_Course\_Trainer

|  |  |  |
| --- | --- | --- |
| **Trainer** | **1..\*** | **Group\_Course** |
| t\_id | <-> | Trainer\_t\_id |

## 3.7. Reference Payment\_Creadit\_Card

|  |  |  |
| --- | --- | --- |
| **Creadit\_Card** | **0..\*** | **Payment** |
| cc\_number | <-> | Creadit\_Card\_cc\_number |

## 3.8. Reference Payment\_MemberShip

|  |  |  |
| --- | --- | --- |
| **MemberShip** | **0..\*** | **Payment** |
| ms\_id | <-> | MemberShip\_ms\_id |

## 3.9. Reference Articles\_Article\_Group

|  |  |  |
| --- | --- | --- |
| **Article\_Group** | **0..\*** | **Articles** |
| ag\_id | <-> | Article\_Group\_ag\_id |

## 3.10. Reference Attendence\_Member

|  |  |  |
| --- | --- | --- |
| **Member** | **0..\*** | **Attendence** |
| m\_id | <-> | Member\_m\_id |

## 3.11. Reference Course\_Timetable\_Group\_Course

|  |  |  |
| --- | --- | --- |
| **Group\_Course** | **1..\*** | **Timetable** |
| gc\_id | <-> | Group\_Course\_gc\_id |

## 3.12. Reference Timetable\_Facilities

|  |  |  |
| --- | --- | --- |
| **Facilities** | **1..\*** | **Timetable** |
| f\_id | <-> | Facilities\_f\_id |

# 4. Sequences

|  |  |  |
| --- | --- | --- |
| **Sequence name** | **Starts with** | **Description** |
| seq\_primary | 1 |  |

# 5. Subject areas

## 5.1. Subject area Member

5.1.1. Tables  
 - Member  
 - MemberShip  
 - Member\_booking  
 - Creadit\_Card

5.1.2. Views  
 - Member  
 - MemberShip  
 - Member\_booking  
 - Creadit\_Card

5.1.3. References  
 - Member  
 - MemberShip  
 - Member\_booking  
 - Creadit\_Card

## 5.2. Subject area Bookable

5.2.1. Tables  
 - Facilities  
 - Group\_Course  
 - Trainer

5.2.2. Views  
 - Facilities  
 - Group\_Course  
 - Trainer

5.2.3. References  
 - Facilities  
 - Group\_Course  
 - Trainer

## 5.3. Subject area Article

5.3.1. Tables  
 - Articles  
 - Article\_Group

5.3.2. Views  
 - Articles  
 - Article\_Group

5.3.3. References  
 - Articles  
 - Article\_Group

# 6. Notes

Trigger to extend membership
if attendance exceed the threshold