**EAL**

Database model documentation

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# 1. Model details

**Model name:** 
EAL

**Version:** 
2.4

**Database engine:** 
Microsoft SQL Server

# 2. Tables

## 2.1. Table customer

2.1.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| name | varchar(150) |  |  |
| cpf | char(11) |  |  |
| birth\_date | date |  |  |
| phone | char(11) |  |  |
| email | varchar(200) |  |  |
| adress\_id | int |  |  |

## 2.2. Table purchase

2.2.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| customer\_id | int |  |  |
| package\_id | int |  |  |
| date | date |  |  |
| time | time |  |  |

## 2.3. Table package

2.3.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| title | varchar(100) |  |  |
| description | varchar(300) |  |  |
| cost | decimal(9,2) |  |  |
| start\_date | date |  |  |
| total\_classes | int |  |  |

## 2.4. Table class

2.4.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| title | varchar(100) |  |  |
| staff\_id | int |  |  |
| package\_id | int |  |  |
| date | date |  |  |
| time | time |  |  |
| class\_type\_id | int |  |  |
| duration | time |  |  |

## 2.5. Table reservation

2.5.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| staff\_id | int |  |  |
| vehicles\_id | int | null |  |
| rooms\_id | int | null |  |
| date | date |  |  |
| start\_time | time |  |  |
| devolution | datetime | null |  |
| class\_id | int |  |  |

## 2.6. Table vehicles

2.6.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| model | varchar(100) |  |  |
| type | varchar(50) |  |  |

## 2.7. Table staff

2.7.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| name | varchar(150) |  |  |
| cpf | char(11) |  |  |
| job\_title\_id | int |  |  |
| email | varchar(200) |  |  |
| phone | char(11) |  |  |
| birth\_date | date |  |  |
| adress\_id | int |  |  |

## 2.8. Table rooms

2.8.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| tag | varchar(50) |  |  |
| size | int |  |  |

## 2.9. Table job\_title

2.9.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| title | varchar(100) |  |  |
| specialty | varchar(100) | null |  |
| salary | decimal(9,2) |  |  |

## 2.10. Table adress

2.10.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| street | varchar(150) |  |  |
| city | varchar(150) |  |  |
| state | varchar(150) |  |  |
| zipcode | char(9) |  |  |

## 2.11. Table class\_type

2.11.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| title | varchar(150) |  |  |
| specialty | varchar(100) | null |  |

## 2.12. Table registration

2.12.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| date | date |  |  |
| time | time |  |  |
| customer\_id | int |  |  |
| class\_id | int |  |  |

# 3. References

## 3.1. Reference purchase\_customer

|  |  |  |
| --- | --- | --- |
| **customer** | **0..\*** | **purchase** |
| id | <-> | customer\_id |

## 3.2. Reference purchase\_package

|  |  |  |
| --- | --- | --- |
| **package** | **0..1** | **purchase** |
| id | <-> | package\_id |

## 3.3. Reference vehicle\_reserv\_vehicles

|  |  |  |
| --- | --- | --- |
| **vehicles** | **0..\*** | **reservation** |
| id | <-> | vehicles\_id |

## 3.4. Reference vehicle\_reserv\_staff

|  |  |  |
| --- | --- | --- |
| **staff** | **0..\*** | **reservation** |
| id | <-> | staff\_id |

## 3.5. Reference staff\_job\_title

|  |  |  |
| --- | --- | --- |
| **job\_title** | **0..\*** | **staff** |
| id | <-> | job\_title\_id |

## 3.6. Reference customer\_adress

|  |  |  |
| --- | --- | --- |
| **adress** | **0..\*** | **customer** |
| id | <-> | adress\_id |

## 3.7. Reference staff\_adress

|  |  |  |
| --- | --- | --- |
| **adress** | **0..\*** | **staff** |
| id | <-> | adress\_id |

## 3.8. Reference lesson\_staff

|  |  |  |
| --- | --- | --- |
| **staff** | **0..\*** | **class** |
| id | <-> | staff\_id |

## 3.9. Reference lesson\_package

|  |  |  |
| --- | --- | --- |
| **package** | **0..\*** | **class** |
| id | <-> | package\_id |

## 3.10. Reference reservation\_rooms

|  |  |  |
| --- | --- | --- |
| **rooms** | **0..\*** | **reservation** |
| id | <-> | rooms\_id |

## 3.11. Reference class\_class\_type

|  |  |  |
| --- | --- | --- |
| **class\_type** | **0..\*** | **class** |
| id | <-> | class\_type\_id |

## 3.12. Reference registration\_customer

|  |  |  |
| --- | --- | --- |
| **customer** | **0..\*** | **registration** |
| id | <-> | customer\_id |

## 3.13. Reference registration\_class

|  |  |  |
| --- | --- | --- |
| **class** | **0..\*** | **registration** |
| id | <-> | class\_id |

## 3.14. Reference reservation\_class

|  |  |  |
| --- | --- | --- |
| **class** | **0..\*** | **reservation** |
| id | <-> | class\_id |