**Embraer\_Oracle\_Logical**

Database model documentation

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# 1. Model details

**Model name:** 
Embraer\_Oracle\_Logical

**Version:** 
2.4

**Database engine:** 
Oracle Database

# 2. Tables

## 2.1. Table CHASSI

**Description:** 
Chassi table

2.1.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| chassi\_id | integer | PK | Id chassi |
| chassi\_dtregister | timestamp |  | chassi register date time |
| chassi\_status | integer |  | Chassi status, |
| USER\_user\_id | integer |  | Tables references between Chassi and Service Bulletin |

## 2.2. Table USER

**Description:** 
User table

2.2.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| user\_id | integer | PK | ID table |
| user\_name | varchar2(50) |  | Field to describe user name |
| user\_password | varchar2(50) |  | Field to describe password user, will be used cryptography |
| PERMISSION\_permission\_id | integer |  | Permission ID, Foreign key |

## 2.3. Table PERMISSION

**Description:** 
Permission table

2.3.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| permission\_id | integer | PK | ID permission records |
| permission\_name | varchar2(50) |  | Permission name |

## 2.4. Table SERVICE\_BULLETIN

**Description:** 
Service Bulletin table

2.4.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| sb\_id | integer | PK | Field describe id records. |
| sb\_dtregister | timestamp |  | Field about date time of records |
| sb\_statusservice | varchar2(15) |  | Field describe statuse about Service Bulletin |
| sb\_partservice | varchar2(50) |  | Field describe part service of Service Bulletin |
| USER\_user\_id | integer |  | User ID Foreign Key |

## 2.5. Table CONDITIONAL\_SBITE

**Description:** 
Conditional Service Bulletin Table

2.5.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| condition\_id | integer | PK | Conditionaal\_SBITE ID records. |
| condition\_var | varchar2(50) |  | Conditional SBITE description or notes |
| SERVICE\_BULLETIN\_sb\_id | integer |  | Service Bulletin ID, Foreign Key |
| FORMULA\_formula\_id | integer |  | Formula ID, Foreign Key |
| ITEM\_item\_id | integer |  | Item ID, Foreign Key |

## 2.6. Table FORMULA

**Description:** 
Formula table

2.6.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| formula\_id | integer | PK | Formula ID records |
| formula\_desc | varchar2(250) |  | Field description about Formula |

## 2.7. Table ITEM

**Description:** 
ITEM table

2.7.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| item\_id | integer | PK | Item ID record |
| item\_name | varchar2(250) |  | Describe name of item |
| item\_dtregister | timestamp |  | Item record date time |

## 2.8. Table CHASSI\_SB

**Description:** 
Relationship between Chassi and Service Bulletin

2.8.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| CHASSI\_chassi\_id | integer |  | Chassi ID, Foreign Key |
| SERVICE\_BULLETIN\_sb\_id | integer |  | Service Bulletin ID, Foreign Key |
| chassi\_sb\_id | integer | PK | Chassi\_SB ID records. |

## 2.9. Table CHASSI\_USER

**Description:** 
Relationship between User and Chassi

2.9.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| CHASSI\_cassi\_id | integer |  | Foreign key, relationship between User and Chassi |
| USER\_user\_id | integer |  | Foreign key, relationship between User and Chassi |
| chassi\_user\_id | integer | PK | Chassi and user, ID table |

## 2.10. Table EDIT\_USER\_SB

**Description:** 
Relationship between User and Service Bulletin

2.10.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| USER\_user\_id | integer |  | User ID, foreign key |
| SERVICE\_BULLETIN\_sb\_id | integer |  | Service Bulletin ID, Foreign Key |
| edit\_user\_sb\_id | integer | PK | ID table records |

## 2.11. Table REGISTER\_USER\_ITEM

**Description:** 
Relationship between User and Item

2.11.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| ITEM\_item\_id | integer |  | Item ID Foreign Key |
| USER\_user\_id | integer |  | User ID Foreign Key |
| register\_user\_item\_id | integer | PK | Register User Item ID records |

# 3. References

## 3.1. Reference USER\_PERMISSION

|  |  |  |
| --- | --- | --- |
| **PERMISSION** | **0..\*** | **USER** |
| permission\_id | <-> | PERMISSION\_permission\_id |

## 3.2. Reference CHASSI\_SB\_CHASSI

|  |  |  |
| --- | --- | --- |
| **CHASSI** | **0..\*** | **CHASSI\_SB** |
| chassi\_id | <-> | CHASSI\_chassi\_id |

## 3.3. Reference CHASSI\_SB\_SERVICE\_BULLETIN

|  |  |  |
| --- | --- | --- |
| **SERVICE\_BULLETIN** | **0..\*** | **CHASSI\_SB** |
| sb\_id | <-> | SERVICE\_BULLETIN\_sb\_id |

## 3.4. Reference CONDITIONAL\_SBITE\_SB

|  |  |  |
| --- | --- | --- |
| **SERVICE\_BULLETIN** | **0..\*** | **CONDITIONAL\_SBITE** |
| sb\_id | <-> | SERVICE\_BULLETIN\_sb\_id |

## 3.5. Reference CONDITIONAL\_SBITE\_FORMULA

|  |  |  |
| --- | --- | --- |
| **FORMULA** | **0..\*** | **CONDITIONAL\_SBITE** |
| formula\_id | <-> | FORMULA\_formula\_id |

## 3.6. Reference CHASSI\_USER\_CHASSI

|  |  |  |
| --- | --- | --- |
| **CHASSI** | **0..\*** | **CHASSI\_USER** |
| chassi\_id | <-> | CHASSI\_cassi\_id |

## 3.7. Reference CHASSI\_USER\_USER

|  |  |  |
| --- | --- | --- |
| **USER** | **0..\*** | **CHASSI\_USER** |
| user\_id | <-> | USER\_user\_id |

## 3.8. Reference CHASSI\_USER

|  |  |  |
| --- | --- | --- |
| **USER** | **0..\*** | **CHASSI** |
| user\_id | <-> | USER\_user\_id |

## 3.9. Reference SERVICE\_BULLETIN\_USER

|  |  |  |
| --- | --- | --- |
| **USER** | **0..\*** | **SERVICE\_BULLETIN** |
| user\_id | <-> | USER\_user\_id |

## 3.10. Reference EDIT\_USER\_SB\_USER

|  |  |  |
| --- | --- | --- |
| **USER** | **0..\*** | **EDIT\_USER\_SB** |
| user\_id | <-> | USER\_user\_id |

## 3.11. Reference EDIT\_USER\_SB\_SERVICE\_BULLETIN

|  |  |  |
| --- | --- | --- |
| **SERVICE\_BULLETIN** | **0..\*** | **EDIT\_USER\_SB** |
| sb\_id | <-> | SERVICE\_BULLETIN\_sb\_id |

## 3.12. Reference CONDITIONAL\_SBITE\_ITEM

|  |  |  |
| --- | --- | --- |
| **ITEM** | **0..\*** | **CONDITIONAL\_SBITE** |
| item\_id | <-> | ITEM\_item\_id |

## 3.13. Reference REGISTER\_USER\_ITEM\_ITEM

|  |  |  |
| --- | --- | --- |
| **ITEM** | **0..\*** | **REGISTER\_USER\_ITEM** |
| item\_id | <-> | ITEM\_item\_id |

## 3.14. Reference REGISTER\_USER\_ITEM\_USER

|  |  |  |
| --- | --- | --- |
| **USER** | **0..\*** | **REGISTER\_USER\_ITEM** |
| user\_id | <-> | USER\_user\_id |