**Cab Company Model**

Database model documentation

Created with Vertabelo.com

# 1. Model details

**Model name:** 
Cab Company Model

**Version:** 
2.4

**Database engine:** 
PostgreSQL

# 2. Tables

## 2.1. Table driver

2.1.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| first\_name | varchar(128) |  |  |
| last\_name | varchar(128) |  |  |
| birth\_date | date |  |  |
| driving\_licence\_number | varchar(128) |  |  |
| expiry\_date | date |  |  |
| working | bool |  | default -> Yes |

2.1.2. Alternate keys

|  |  |  |
| --- | --- | --- |
| **Key name** | **Columns** | **Description** |
| driver\_ak\_1 | driving\_licence\_number |  |

## 2.2. Table cab

2.2.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| license\_plate | varchar(32) |  |  |
| car\_model\_id | int |  |  |
| manufacture\_year | int |  |  |
| owner\_id | int | null |  |
| active | bool |  | default -> Yes |

2.2.2. Alternate keys

|  |  |  |
| --- | --- | --- |
| **Key name** | **Columns** | **Description** |
| cab\_ak\_1 | license\_plate |  |

## 2.3. Table car\_model

2.3.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| model\_name | varchar(64) |  |  |
| model\_descritpion | text |  |  |

2.3.2. Alternate keys

|  |  |  |
| --- | --- | --- |
| **Key name** | **Columns** | **Description** |
| car\_model\_ak\_1 | model\_name |  |

## 2.4. Table shift

2.4.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| driver\_id | int |  |  |
| cab\_id | int |  |  |
| shift\_start\_time | timestamp | null |  |
| shift\_end\_time | timestamp | null |  |
| login\_time | timestamp | null |  |
| logout\_time | timestamp | null |  |

## 2.5. Table cc\_agent

2.5.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| first\_name | varchar(128) |  |  |
| last\_name | varchar(128) |  |  |

## 2.6. Table cab\_ride

2.6.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| shift\_id | int | null |  |
| ride\_start\_time | timestamp | null |  |
| ride\_end\_time | timestamp | null |  |
| address\_starting\_point | text | null |  |
| GPS\_starting\_point | text | null |  |
| address\_destination | text | null |  |
| GPS\_destination | text | null |  |
| canceled | bool |  | default -> No |
| payment\_type\_id | int | null |  |
| price | decimal(10,2) | null |  |

## 2.7. Table status

2.7.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| status\_name | varchar(128) |  |  |

2.7.2. Alternate keys

|  |  |  |
| --- | --- | --- |
| **Key name** | **Columns** | **Description** |
| status\_ak\_1 | status\_name |  |

## 2.8. Table cab\_ride\_status

2.8.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| cab\_ride\_id | int |  |  |
| status\_id | int |  |  |
| status\_time | timestamp |  |  |
| cc\_agent\_id | int | null |  |
| shift\_id | int | null |  |
| status\_details | text | null |  |

## 2.9. Table payment\_type

2.9.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | int | PK |  |
| type\_name | varchar(128) |  |  |

2.9.2. Alternate keys

|  |  |  |
| --- | --- | --- |
| **Key name** | **Columns** | **Description** |
| payment\_type\_ak\_1 | type\_name |  |

# 3. References

## 3.1. Reference cab\_car\_model

|  |  |  |
| --- | --- | --- |
| **car\_model** | **0..\*** | **cab** |
| id | <-> | car\_model\_id |

## 3.2. Reference drives\_driver

|  |  |  |
| --- | --- | --- |
| **driver** | **0..\*** | **shift** |
| id | <-> | driver\_id |

## 3.3. Reference drives\_cab

|  |  |  |
| --- | --- | --- |
| **cab** | **0..\*** | **shift** |
| id | <-> | cab\_id |

## 3.4. Reference cab\_ride\_shift

|  |  |  |
| --- | --- | --- |
| **shift** | **0..\*** | **cab\_ride** |
| id | <-> | shift\_id |

## 3.5. Reference cab\_ride\_status\_cab\_ride

|  |  |  |
| --- | --- | --- |
| **cab\_ride** | **0..\*** | **cab\_ride\_status** |
| id | <-> | cab\_ride\_id |

## 3.6. Reference cab\_ride\_status\_status

|  |  |  |
| --- | --- | --- |
| **status** | **0..\*** | **cab\_ride\_status** |
| id | <-> | status\_id |

## 3.7. Reference cab\_ride\_status\_cc\_agent

|  |  |  |
| --- | --- | --- |
| **cc\_agent** | **0..\*** | **cab\_ride\_status** |
| id | <-> | cc\_agent\_id |

## 3.8. Reference cab\_ride\_status\_shift

|  |  |  |
| --- | --- | --- |
| **shift** | **0..\*** | **cab\_ride\_status** |
| id | <-> | shift\_id |

## 3.9. Reference cab\_ride\_payment\_type

|  |  |  |
| --- | --- | --- |
| **payment\_type** | **0..\*** | **cab\_ride** |
| id | <-> | payment\_type\_id |

## 3.10. Reference cab\_driver

|  |  |  |
| --- | --- | --- |
| **driver** | **0..\*** | **cab** |
| id | <-> | owner\_id |

# 4. Subject areas

## 4.1. Subject area Cabs and drivers

4.1.1. Tables  
 - driver  
 - cab  
 - car\_model  
 - shift

4.1.2. External Tables

4.1.3. Views  
 - driver  
 - cab  
 - car\_model  
 - shift

4.1.4. Materialized Views  
 - driver  
 - cab  
 - car\_model  
 - shift

4.1.5. References  
 - driver  
 - cab  
 - car\_model  
 - shift

## 4.2. Subject area Rides

4.2.1. Tables  
 - cab\_ride  
 - cab\_ride\_status

4.2.2. External Tables

4.2.3. Views  
 - cab\_ride  
 - cab\_ride\_status

4.2.4. Materialized Views  
 - cab\_ride  
 - cab\_ride\_status

4.2.5. References  
 - cab\_ride  
 - cab\_ride\_status