# **L****ogical Model**

*Package in package 'MySQL'*

Logical Model

Version 1.0 Phase 1.0 Proposed

EA created on 7/6/2023. Last modified 7/6/2023

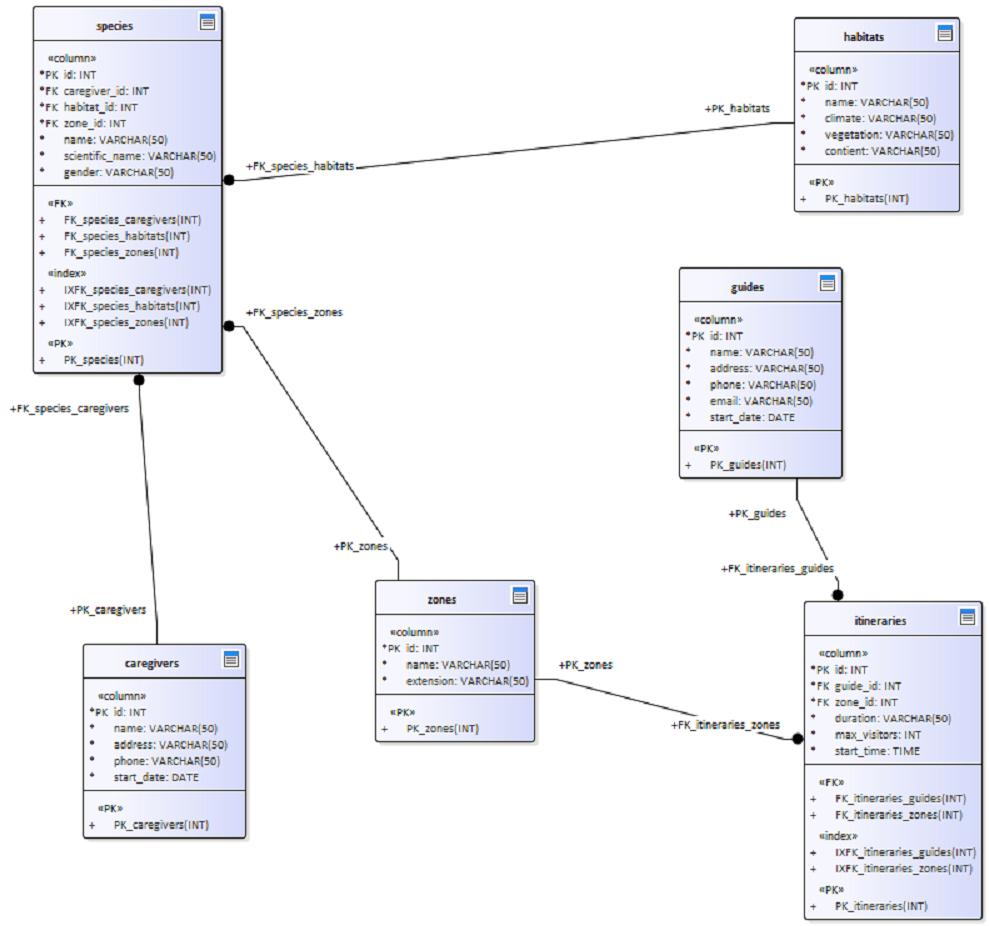
## **Logical Model diagram**

*Data Modeling diagram in package 'Logical Model'*

Logical Model

Version 1.0

Dannyel created on 7/6/2023. Last modified 7/6/2023



Logical Model

## **caregivers**

*Database table in package 'Logical Model'*

caregivers

Version 1.0 Phase 1.0 Proposed

Dannyel created on 7/6/2023. Last modified 7/6/2023

DBMS MySql

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = True  property = AutoNum=True; |

|  |  |  |  |
| --- | --- | --- | --- |
| name | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| address | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| phone | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| start\_date | DATE | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_caregivers | id |  |

## **guides**

*Database table in package 'Logical Model'*

guides

Version 1.0 Phase 1.0 Proposed

Dannyel created on 7/6/2023. Last modified 7/6/2023

DBMS MySql

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = True  property = AutoNum=True; |

|  |  |  |  |
| --- | --- | --- | --- |
| name | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| address | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| phone | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| email | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| start\_date | DATE | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_guides | id |  |

## **habitats**

*Database table in package 'Logical Model'*

habitats

Version 1.0 Phase 1.0 Proposed

Dannyel created on 7/6/2023. Last modified 7/6/2023

DBMS MySql

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = True  property = AutoNum=True; |

|  |  |  |  |
| --- | --- | --- | --- |
| name | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| climate | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| vegetation | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| contient | VARCHAR(50) | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_habitats | id |  |

## **itineraries**

*Database table in package 'Logical Model'*

itineraries

Version 1.0 Phase 1.0 Proposed

Dannyel created on 7/6/2023. Last modified 7/6/2023

DBMS MySql

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = True  property = AutoNum=True; |

|  |  |  |  |
| --- | --- | --- | --- |
| guide\_id | INT | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| zone\_id | INT | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| duration | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| max\_visitors | INT | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| start\_time | TIME | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_itineraries | id |  |

|  |  |  |
| --- | --- | --- |
| **TYPE / NAME** | **COLUMNS** | **COMMENTS** |
| «index» IXFK\_itineraries\_guides | guide\_id |  |

|  |  |  |
| --- | --- | --- |
| «index» IXFK\_itineraries\_zones | zone\_id |  |

|  |  |  |
| --- | --- | --- |
| **FOREIGN KEY NAME** | **COLUMNS** | **REFERENCES** |
| FK\_itineraries\_zones | zone\_id | zones(id) |

|  |  |  |
| --- | --- | --- |
| FK\_itineraries\_guides | guide\_id | guides(id) |

## **species**

*Database table in package 'Logical Model'*

species

Version 1.0 Phase 1.0 Proposed

Dannyel created on 7/6/2023. Last modified 7/6/2023

DBMS MySql

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = True  property = AutoNum=True; |

|  |  |  |  |
| --- | --- | --- | --- |
| caregiver\_id | INT | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| habitat\_id | INT | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| zone\_id | INT | True | Properties:  AutoNum = True  property = AutoNum=True; |

|  |  |  |  |
| --- | --- | --- | --- |
| name | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| scientific\_name | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| gender | VARCHAR(50) | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_species | id |  |

|  |  |  |
| --- | --- | --- |
| **TYPE / NAME** | **COLUMNS** | **COMMENTS** |
| «index» IXFK\_species\_caregivers | caregiver\_id |  |

|  |  |  |
| --- | --- | --- |
| «index» IXFK\_species\_habitats | habitat\_id |  |

|  |  |  |
| --- | --- | --- |
| «index» IXFK\_species\_zones | zone\_id |  |

|  |  |  |
| --- | --- | --- |
| **FOREIGN KEY NAME** | **COLUMNS** | **REFERENCES** |
| FK\_species\_caregivers | caregiver\_id | caregivers(id) |

|  |  |  |
| --- | --- | --- |
| FK\_species\_habitats | habitat\_id | habitats(id) |

|  |  |  |
| --- | --- | --- |
| FK\_species\_zones | zone\_id | zones(id) |

## **zones**

*Database table in package 'Logical Model'*

zones

Version 1.0 Phase 1.0 Proposed

Dannyel created on 7/6/2023. Last modified 7/6/2023

DBMS MySql

| **COLUMN NAME** | **DATATYPE** | **NOT NULL** | **COMMENTS** |
| --- | --- | --- | --- |
| id | INT | True | Properties:  AutoNum = True  property = AutoNum=True; |

|  |  |  |  |
| --- | --- | --- | --- |
| name | VARCHAR(50) | True |  |

|  |  |  |  |
| --- | --- | --- | --- |
| extension | VARCHAR(50) | True |  |

|  |  |  |
| --- | --- | --- |
| **PRIMARY KEY NAME** | **COLUMNS** | **COMMENTS** |
| PK\_zones | id |  |