**SafeCity**

Database model documentation

Created with Vertabelo.com

# 1. Model details

**Model name:**  SafeCity

**Version:**  2.3

**Database engine:**  MongoDB

# 2. Tables

## 2.1. Table country

2.1.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | ObjectId | PK |  |
| country\_name | String |  |  |

## 2.2. Table city

2.2.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | ObjectId | PK |  |
| city\_name | String |  |  |
| country\_id | ObjectId |  |  |

## 2.3. Table client

2.3.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | ObjectId | PK |  |
| first\_name | String |  |  |
| last\_name | String |  |  |
| client\_address | String |  |  |
| email | String |  |  |
| password | String |  |  |
| city\_id | ObjectId |  |  |

## 2.4. Table report

2.4.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | ObjectId | PK |  |
| lat | Number |  |  |
| lng | Number |  |  |
| time\_created | Date |  |  |
| report\_type\_id | ObjectId |  |  |
| client\_id | ObjectId |  |  |
| zone\_id | ObjectId |  |  |

## 2.5. Table report\_type

2.5.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | ObjectId | PK |  |
| type\_name | String |  |  |

## 2.6. Table zone

2.6.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | ObjectId | PK |  |
| insecurity\_level | Number |  |  |
| lat | Number |  |  |
| lng | Number |  |  |

## 2.7. Table comments

2.7.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | ObjectId | PK |  |
| title | String |  |  |
| message | String |  |  |
| likes | Number |  |  |
| dislikes | Number |  |  |
| voted\_by | [ObjectId] |  |  |
| time\_created | Date |  |  |
| client\_id | ObjectId |  |  |
| zone\_id | ObjectId |  |  |

## 2.8. Table Reply

2.8.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | ObjectId | PK |  |
| message | String |  |  |
| time\_created | Date |  |  |
| client\_id | ObjectId |  |  |
| comments\_id | ObjectId |  |  |

## 2.9. Table zone\_status

2.9.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | ObjectId | PK |  |
| status\_name | String |  |  |

## 2.10. Table zone\_status\_detail

2.10.1. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | ObjectId | PK |  |
| weekday | String |  |  |
| time | Date |  |  |
| zone\_status\_id | ObjectId |  |  |
| zone\_id | ObjectId |  |  |

# 3. Subject areas

## 3.1. Subject area Client

3.1.1. Tables  
 - country  
 - city  
 - client

3.1.2. Views  
 - country  
 - city  
 - client

3.1.3. References  
 - country  
 - city  
 - client

## 3.2. Subject area Zone

3.2.1. Tables  
 - zone  
 - zone\_status  
 - zone\_status\_detail

3.2.2. Views  
 - zone  
 - zone\_status  
 - zone\_status\_detail

3.2.3. References  
 - zone  
 - zone\_status  
 - zone\_status\_detail

## 3.3. Subject area Report

3.3.1. Tables  
 - report  
 - report\_type

3.3.2. Views  
 - report  
 - report\_type

3.3.3. References  
 - report  
 - report\_type

## 3.4. Subject area Comment

3.4.1. Tables  
 - comments  
 - Reply

3.4.2. Views  
 - comments  
 - Reply

3.4.3. References  
 - comments  
 - Reply