**DATABASE SCHEMA**

|  |
| --- |
| **CUSTOMER** |
| id |
| name |
| phone |
| id\_company |

|  |
| --- |
| **INFORMATION** |
| id |
| date |
| time |
| latitude |
| longitude |
| address |
| id\_customer |

|  |
| --- |
| **COMPANY** |
| id |
| name |
| license\_key |
| isActivated |

|  |
| --- |
| **USER** |
| id |
| login |
| password |
| id\_company |

**SQL script**

**create** **table** company (

id **int** (10) **AUTO\_INCREMENT**,

name **varchar**(15) **NOT** **NULL**,

license\_key **varchar**(20) **NOT** **NULL**,

is\_activated **TINYINT**(1) **NOT** **NULL** **DEFAULT** '0',

**UNIQUE** **INDEX** license\_key (license\_key),

**PRIMARY** **KEY** (id)

);

**create** **table** customer (

id **int** (10) **AUTO\_INCREMENT**,

name **varchar**(15) **NOT** **NULL**,

phone **varchar**(15) **NOT** **NULL**,

id\_company **int**(10) **NOT** **NULL**,

**UNIQUE** **INDEX** phone (phone),

**PRIMARY** **KEY** (id),

**FOREIGN** **KEY** (id\_company) **REFERENCES** company(id)

);

**create** **table** information (

id **int** (10) **AUTO\_INCREMENT**,

**date** **date** **NOT** **NULL**,

**time** **time** **NOT** **NULL**,

latitude **varchar**(10) **NOT** **NULL**,

longitude **varchar**(15) **NOT** **NULL**,

address **varchar**(70) **NOT** **NULL**,

id\_customer **int** (10) **NOT** **NULL**,

**PRIMARY** **KEY** (id),

**FOREIGN** **KEY** (id\_customer) **REFERENCES** customer(id)

);

**create** **table** user (

id **int** (10) **AUTO\_INCREMENT**,

login **varchar**(20) **NOT** **NULL**,

password **varchar**(20) **NOT** **NULL**,

id\_company **int**(10) **NOT** **NULL**,

**UNIQUE** **INDEX** login (login),

**PRIMARY** **KEY** (id),

**FOREIGN** **KEY** (id\_company) **REFERENCES** company(id)

);

**Requests for Android application**

|  |  |  |
| --- | --- | --- |
| **Link** | **Entry data** | **Result** |
| http://test.ggcom.it/addData/ | Data, time, latitude, longitude, id\_customer | 1 - success |
| http://test.ggcom.it/getCustomerIdCompanyName / | Phone | Id\_customer, Name |
| <http://test.ggcom.it/checkLicense>/ | Key | 0 – key is used  1 - activated |

Example:

<http://test.ggcom.it/addData/?date=2015:5:2&time=17:37:11&latitude=50.4586457&longitude=30.609417&id_customer=1>

<http://test.ggcom.it/getCustomerIdCompanyName/?phone=+393200554747>

<http://test.ggcom.it/checkLicense>?key=fda775df3ebe87b