Database document

Name Project: GPSServer

Version: 1.0.0.0

Kind of Database: MSSQL

Date to create: 08/12/2010

Name files: GPSServer.mdf, GPSServer\_log.ldf

# ERD

Users

Devices

GPS\_Datas

* Relationship description
* Each user has many devices
* Each device has many GPS Data

## Table description

### Users

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Key** | **Type of Data** | **Null** |
| ID\_User | PK | int |  |
| Username |  | varchar(100) |  |
| Password |  | Varchar(100) |  |
| Email |  | Varchar(100) |  |
| Fullname |  | Varchar(100) |  |
| Mobile |  | Int |  |
| Company |  | Text |  |
| Cop\_Phone |  | Int |  |
| Status |  | Int |  |
|  |  |  |  |

### Devices

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Key** | **Type of Data** | **Null** |
| IMED\_Devices | PK | Int |  |
| ID\_User | FK(Users ) | Int |  |
| Status |  | Int |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Status: included 3 state

Activate : 1

Running : 2

Deactivate : 0

### GPS\_Data

|  |  |  |  |
| --- | --- | --- | --- |
| **Field** | **Key** | **Type of Data** | **Null** |
| ID\_Data | PK | Int |  |
| IMED\_Devices | FK(Devices) | Int |  |
| Longitude |  | Float |  |
| Latitude |  | float |  |
| Speed |  | float |  |
| Received\_Date |  | Varchar(datetime) |  |
| Status |  | int |  |
|  |  |  |  |