

Core Application

Version 7

ADMINISTRATOR USERGUIDE

Release date: 30.10.2017

Created by: Csörgő Tamás

Core application: v7

IDE: Lazarus 1.6.4 (FPC: 3.0.2)

Database: SQLite3 WAL (3.20.1)

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Please note that some details can be differing from the version you are using.

Created by Tamás CSÖRGŐ

Release date: 30.10.2017

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Introduction

First of all, thank you very much for downloading and using my application.

This is a user guide for Administrators, who use my software built on this core system. Core system contains a default user interface with user authentication, settings and basic modules.

This core application can be used for any application which uses databases. All information is stored in one database which can be used by more users at the same time.

This application is based on the modular core system, which modules can be launched from the dashboard panel.

But, if these functions are not enough for you, please send me your proposal and I will investigate that.

So, let's start.

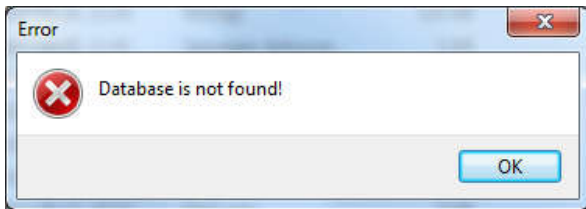
But, the question is how?

See next chapter, called "How to start?"

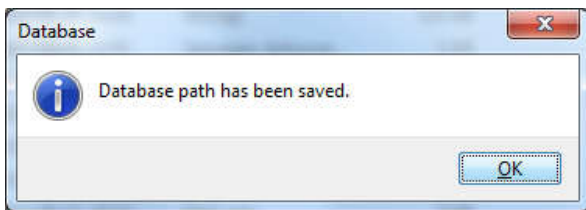
How to start

Application has to be started by xxxxxx.exe. (file name depends on the application name which uses this core system)

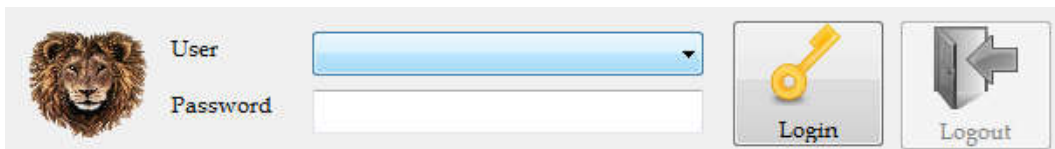
At first start, application will ask you to define the database.



Database = xxxxxx.db3 which is basically located in the “database” folder.



After starting, the login page will be displayed, where the application is waiting for a username and password for that.



Default login settings (username = password)

admin = admin

auto-admin = admin

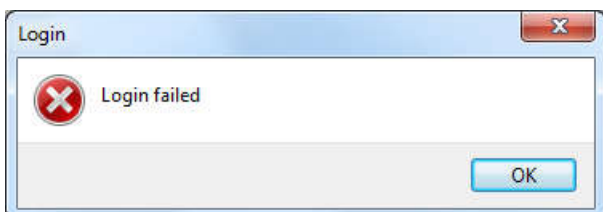
user = user

guest = guest

After choosing a valid username and a password for that, click onto the “Login” button.

Application will log into the Dashboard or About module.

In case of missing or wrong password, following message will be displayed.



🔑 - user's information are stored in the USERS table of the database.

🔑 - user access levels can only be set by administrator. By default, “admin” and “auto-admin” have only administrator right. See ‘Administrator Settings’ section for details.

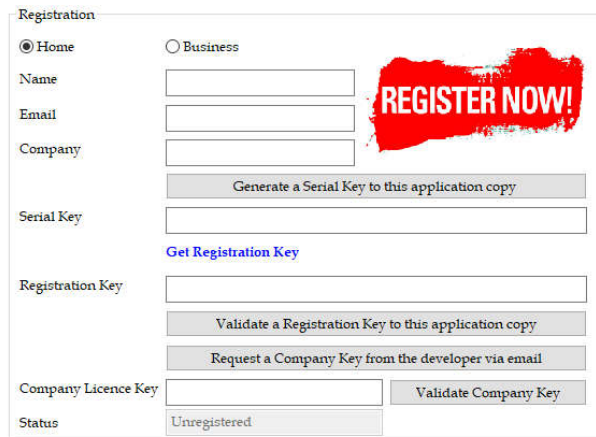
Now, you have started to use the application.

Registration

Why do you need to register?

Registration is only used to see the popularity and distribution of this application. Sorry, if this method disturbs you, but do not forget, this application is completely FREE. Additionally, the registration process is very simple, just takes one minute or less.

Registration can be made on the “About” panel.

A screenshot of a web form titled "Registration". It has two radio buttons: "Home" (selected) and "Business". Below these are input fields for "Name", "Email", and "Company". To the right of these fields is a red stamp that says "REGISTER NOW!". Below the input fields is a button labeled "Generate a Serial Key to this application copy". Below this button is a "Serial Key" input field and a link "Get Registration Key". Below the link is a "Registration Key" input field, followed by buttons "Validate a Registration Key to this application copy" and "Request a Company Key from the developer via email". At the bottom, there is a "Company Licence Key" input field, a "Validate Company Key" button, and a "Status" field showing "Unregistered".

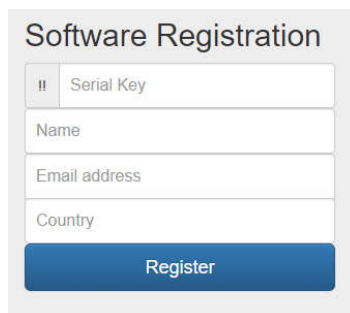
Please choose the registration type, home or business.

🔴 Home registration allows you to use one registered database, while business allows all types.

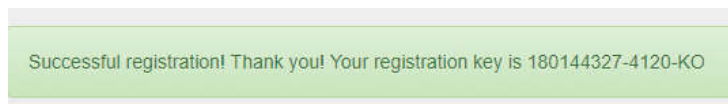
Fill out the “Name”, “Email” and “Company” fields. This is mandatory. After the click on the “Generate ...” button to create a serial key to this copy.

Please click on the “Get Registration Key” link or visit this site to get a registration key to your serial key:

<http://users.atw.hu/tamascsorgo/registration/register.php>

A screenshot of a web form titled "Software Registration". It has a "Serial Key" input field at the top. Below it are input fields for "Name", "Email address", and "Country". At the bottom is a blue button labeled "Register".

Fill out all fields and click on the “Register” button. Your registration key will be displayed at the left top corner.

A screenshot of a green message box with white text that says: "Successful registration! Thank you! Your registration key is 180144327-4120-KO".

Copy this registration key into the correct field and click on the “Validate ...” button.

Company/business registration key can be requested by email only. Click on the “Request ...” button to start this.

🔴 Unregistered version allows only to record 10 records.

At the first start, it is highly recommended to check the settings.

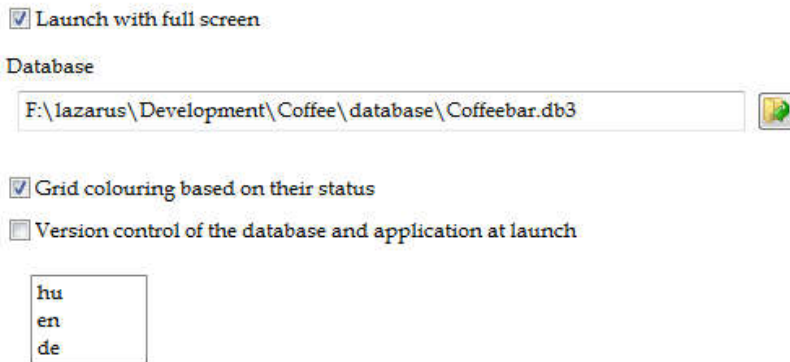
Now, you have an installed and registered application.

Settings

Two types of settings are.

- user settings – on the Settings panel
- administrator settings – on the Administration panel

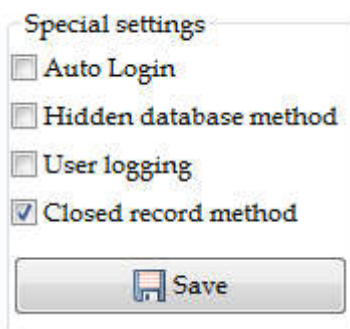
User settings – stored in the xxx.ini file in in the folder where exe file is located



The screenshot shows the 'User Settings' dialog box. It has a title bar 'User Settings'. Inside, there are four checkboxes: 'Launch with full screen' (checked), 'Grid colouring based on their status' (checked), and 'Version control of the database and application at launch' (unchecked). Below these is a text field labeled 'Database' containing the path 'F:\lazarus\Development\Coffee\database\Coffeebar.db3'. To the right of the text field is a small icon of a folder with a green arrow. Below the text field is a small box containing the text 'hu', 'en', and 'de' stacked vertically.

- **Launch with full screen:** application will be started with full display size,
- **Database:** path of the database. Please note, that in case of “Hidden database method” this will be inactive,
- **Grid coloring based on their status:** closed records will be colored with green, while other with red color.
- **Version control of the database and application at launch:** expected version number can be set in the database by the administrator (APPVERSION data). At launch, application can check the versions of the application and from database setting and gives a notification if they differ.

Administrator settings – stored in the database’s SETTINGS table

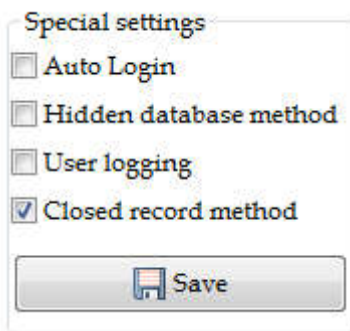


The screenshot shows the 'Administrator Settings' dialog box. It has a title bar 'Administrator Settings'. Inside, there are four checkboxes: 'Auto Login' (unchecked), 'Hidden database method' (unchecked), 'User logging' (unchecked), and 'Closed record method' (checked). At the bottom is a 'Save' button with a floppy disk icon.

Now, the basic settings of the application have been set.

Administrator settings

Application settings can be set by only administrators or users who have access to module no. 4 or 6.




Special settings

☐ Auto Login

☐ Hidden database method

☐ User logging

☒ Closed record method

 Save

Database records in the SETTINGS table

	PARAMETER	VALUE
1	AUTOSTART	0
2	HIDEDBPATH	0
3	USERLOG	0
4	CLOSEDFROZEN	1
5	HIDELOGPANEL	0
6	APPVERSION	0

Administrator settings are

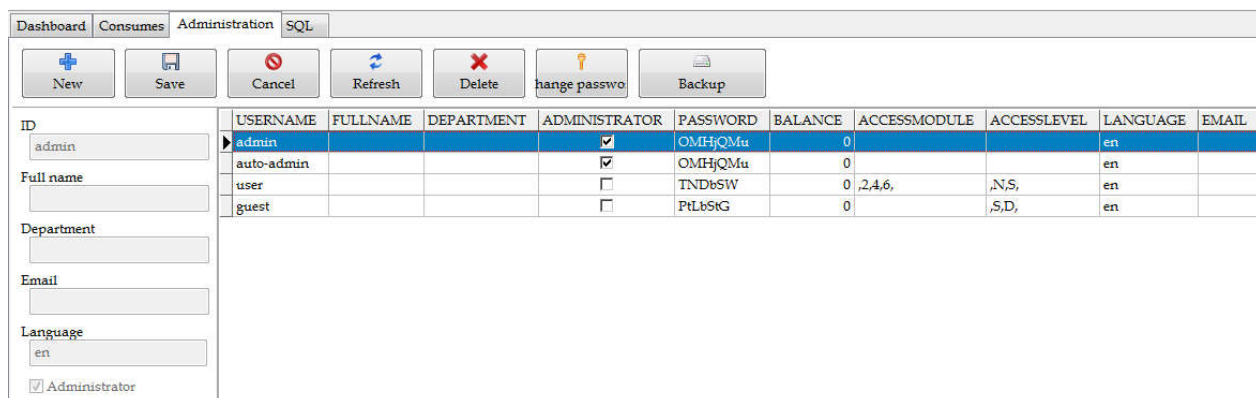
Auto Login: application will be launched automatically in admin mode (“auto-admin”) without user authentication.

Hidden database method: database paths will not be visible within the application.








User logging: user login / logout date and times are logged into the LOG table

Closed record method: closed records cannot be modified after closure.

Basic user administration can be done also on the Administration panel



Dashboard | Consumes | Administration | SQL

 New  Save  Cancel  Refresh  Delete  Change password  Backup

ID	USERNAME	FULLNAME	DEPARTMENT	ADMINISTRATOR	PASSWORD	BALANCE	ACCESSMODULE	ACCESSLEVEL	LANGUAGE	EMAIL
admin	admin			<input checked="" type="checkbox"/>	OMHjQMtu	0			en	
	auto-admin			<input checked="" type="checkbox"/>	OMHjQMtu	0			en	
	user			<input type="checkbox"/>	TNDtSW	0	2,4,6,	N,S,	en	
	guest			<input type="checkbox"/>	PHLbSiG	0		S,D,	en	

Full name

Department

Email

Language

☒ Administrator

⚠ Because of safety reasons, “admin” and “auto-admin” users cannot be modified!

⚠ Application has to be restarted to enable the modified settings!

User information

Username: nick name used by the application for login or logging user related information

Full name: only information

Department: only information

Administrator: yes or no

Password: encrypted password

Balance: used only by the application with which the core system was developed

Access module: see below

Access level: see below

Language: this will be loaded at login

Email: only information

Access modules:

You can specify the modules which are allowed for the user to use.

Specification: comma and module number and comma – e.g.: ,1,2,4,5,

Buttons on the “Dashboard” are enabled or disabled according to the access module settings.

Access level

You can specify the different access rights for the users.

🔴⚠️ Access levels must be between commas, like this: ,S,

- N – add new record
- S – save record
- D – delete record

Please note that “N” status has to set with “S” status, because “S” (Save) is necessary to save the new record.

Specification: comma and right identifier letter and comma – e.g.: ,1,2,4,5,

🔴⚠️ All settings can be set via SQL module as well, but it must be done with attention. Database can be destroyed by wrong usage of SQL module.

DashboardConsumesAdministrationSQL

Run

Clear command

Run and Refresh

Save

Delete Row

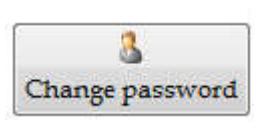
select * from users

USERNAME	FULLNAME	DEPARTMENT	ADMINISTRATOR	PASSWORD	BALANCE	ACCESSMODULE	ACCESSLEVEL	LANGUAGE	EMAIL
admin			<input checked="" type="checkbox"/>	OMHjQMtu	0			en	
auto-admin			<input checked="" type="checkbox"/>	OMHjQMtu	0			en	
user			<input type="checkbox"/>	TNDb5W	0	,2,4,6,	,N,S,	en	
guest			<input type="checkbox"/>	PtLbStG	0		,S,D,	en	

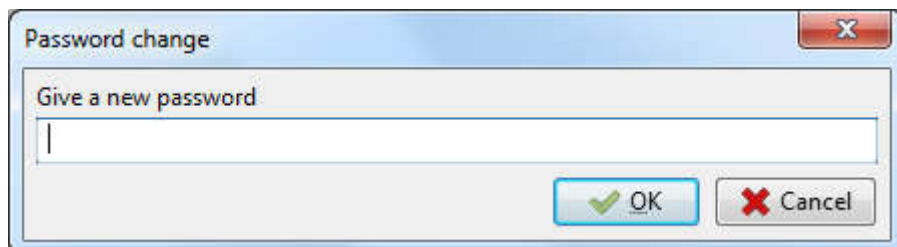
Now, the all settings of the application have been set.

Change Password

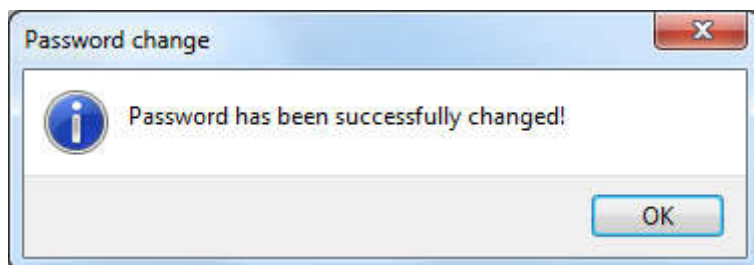
After successful login, user can change his/her password by Settings/Change Password.



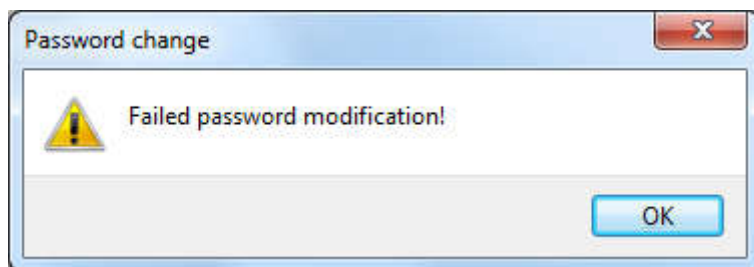
Password is requested by this input box

A dialog box titled "Password change" with a red close button (X) in the top right corner. The main area contains the text "Give a new password" above a single-line text input field. At the bottom right, there are two buttons: "OK" with a green checkmark icon and "Cancel" with a red X icon.

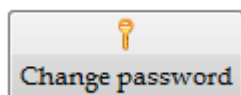
Confirmation of the successful change



Warning message about unsuccessful change



Passwords can be changed by administrator on the "Administrator" panel as well.



Now, users and their authentication data have been set.

Message Module

Core application is able to manage simple messages between the users. Messages are stored in the “Message” table.

💡 Messages are not encrypted, so confidential information should not be sent by this system.

Rules:

- message can only be sent to one receiver,
- sent message can only be deleted till receiver does not read that, so read message cannot be deleted by the sender,
- outgoing messages can be visible until receiver does not delete that,

Incoming message module:

Incoming

Outcoming

Sending

Sender

Receiver

Sending time

Subject

Message

✕

Delete

SENDER	RECEIVER	DATE	SUBJECT	TEXT	ATTACHMENT	READDATE	STATUS

Outcoming message module:

Incoming

Outcoming

Sending

Sender

Receiver

Sending time

Subject

Message

✕

Delete

SENDER	RECEIVER	DATE	SUBJECT	TEXT	ATTACHMENT	READDATE	STATUS

Message sending module:

Incoming

Outcoming

Sending

+

New

✉

Send

⌛

Cancel

Receiver

Subject

Message

Important: messages are not encrypted, so sending of confidential information are not recommended!

Now, users can communicate with each other.

SQL module

In “ADMIN” mode or when access is granted to this module (ACCESSMODULE) an SQL module is available where database specific activities can be done.

💣 **Be careful! Using this module, you can destroy the database!**

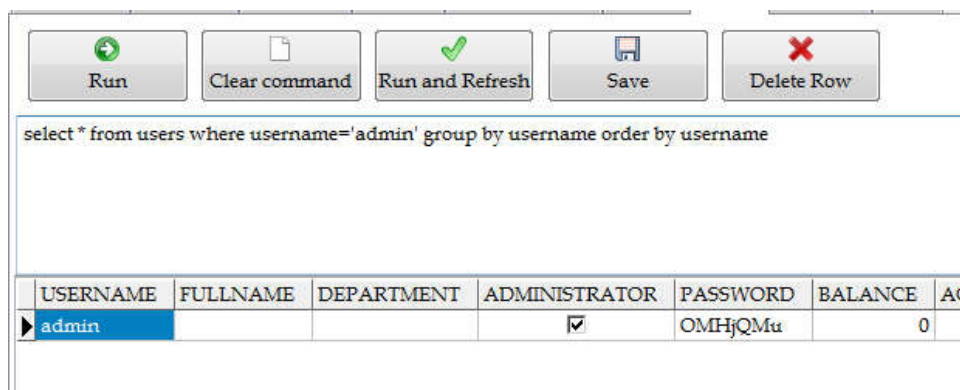
With this module you can use most of them SQL commands on the database.

Basic commands:

select * from table – select all data from a table

select * from table where X='Y' - select all data from a table where condition is meet

select * from table where X='Y' group by column - select all data from a table where condition is meet and group by the data of the given column



The screenshot shows a web-based SQL interface. At the top, there are five buttons: 'Run' (with a green circular arrow icon), 'Clear command' (with a document icon), 'Run and Refresh' (with a green checkmark icon), 'Save' (with a floppy disk icon), and 'Delete Row' (with a red X icon). Below these buttons is a text input field containing the SQL command: `select * from users where username='admin' group by username order by username`. Below the command field is a table with the following data:

	USERNAME	FULLNAME	DEPARTMENT	ADMINISTRATOR	PASSWORD	BALANCE	AC
▶	admin			<input checked="" type="checkbox"/>	OMHjQMtu	0	

Buttons:

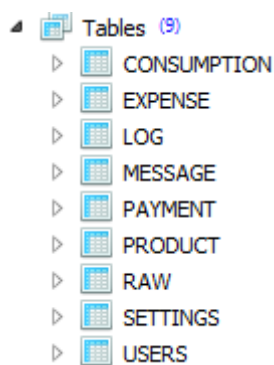
- **Run:** run the command
- **Clear command:** clear the command area
- **Run and Refresh:** run the command and refresh the table
- **Save:** after modification, you can save data into the table
- **Delete row:** delete the selected row from the database

Now, administrator has full control over the application.

Database specific information

Basic tables:

- LOG: user logging data
- MESSAGE: user message system data
- SETTINGS: administrator settings
- USERS: user data



Core application uses SQLite 3 database in WAL mode. WAL mode means a multi user system, which allows the users to modify the database at the same time by more users. Modifications are stored in temporary files and finally written into the database.

Database and temporary database files:

.db3
.db3-shm
.db3-wal

Core application is able to detect and notify when the database was modified by other user during the usage.

Green lamp means: no modification



Red lamp means: modification was/were done by other user(s).



By clicking on the Refresh button, modifications can be taken over into the actual database view and lamp will change to green.

💡 Modules save for all records the name and time of the creator/creation and modifier/modification.

CREATEDBY	CREATEDON	MODIFIEDBY	MODIFIEDON
admin	2017.09.05. 13:30:59	admin	2017.09.16. 11:47:27
auto-admin	2017.09.18. 19:31:04	admin	2017.09.23. 19:44:04
auto-admin	2017.09.19. 14:47:46	auto-admin	2017.09.19. 14:47:46
auto-admin	2017.09.19. 14:47:53	auto-admin	2017.09.19. 14:47:53

Information about table details

Table name: LOG ☐ WITHOUT ROWID

	Name	Data type	Primary Key	Foreign Key	Unique	Check	Not NULL	Collate	
1	ID	INTEGER							NULL
2	USER	VARCHAR							NULL
3	LOGINDATE	DATETIME							NULL
4	LOGOUTDATE	DATETIME							NULL

Table name: MESSAGE ☐ WITHOUT ROWID











	Name	Data type	Primary Key	Foreign Key	Unique	Check	Not NULL	Collate	
1	SENDER	VARCHAR							NULL
2	RECEIVER	VARCHAR							NULL
3	DATE	DATETIME							NULL
4	SUBJECT	VARCHAR							NULL
5	TEXT	TEXT							NULL
6	ATTACHMENT	BLOB							NULL
7	READDATE	DATETIME							NULL
8	STATUS	BOOLEAN							0

Table name: SETTINGS ☐ WITHOUT ROWID

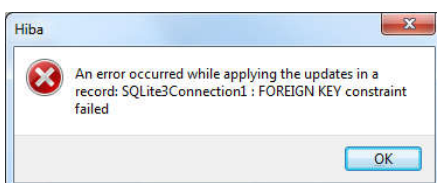
	Name	Data type	Primary Key	Foreign Key	Unique	Check	Not NULL	Collate	
1	PARAMETER	VARCHAR							NULL
2	VALUE	VARCHAR							NULL

Table name: USERS ☐ WITHOUT ROWID

	Name	Data type	Primary Key	Foreign Key	Unique	Check	Not NULL	Collate	
1	USERNAME	VARCHAR							NULL
2	FULLNAME	VARCHAR							NULL
3	DEPARTMENT	VARCHAR							NULL
4	ADMINISTRATOR	BOOLEAN							0
5	PASSWORD	VARCHAR							NULL
6	BALANCE	DOUBLE							0
7	ACCESSMODULE	VARCHAR							NULL
8	ACCESSLEVEL	VARCHAR							NULL
9	LANGUAGE	VARCHAR							NULL
10	EMAIL	VARCHAR							NULL
11	CREATEDBY	VARCHAR							NULL
12	CREATEDON	DATETIME							NULL
13	MODIFIEDBY	VARCHAR							NULL
14	MODIFIEDON	DATETIME							NULL

 In case of foreign Key columns, the data are connected, so some special rules are used:

- original record cannot be deleted if the data of that is used in other table
 - o e.g.: message is sent to XY person. The XY person name cannot be deleted from USERS table, because that is used somewhere. Error message will be generated in this case:



In this case, Cancel command has to be used to set the database back.

- if original data is modified, then consequent record(s) will be changed accordingly.

Now, administrator has all knowledge about the database.

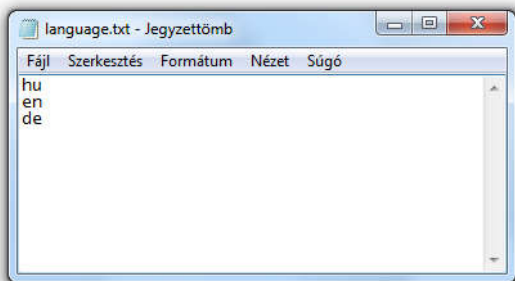
Translations

CORE application is able to manage more languages and set the displayed text according to the selected one.

Files which are used for translations and the method how to make a new one:

- translate the original translation file: xxxx.po
 - o translations can be done by PO editor software, like POEdit or with online solutions
- translated file has to be named like xxxx.yy.po where yy means the abbreviation of the given language
- “yy” has to added to language.txt

Coffee_bar.de.mo	2017.09.16. 20:46	MO fájl	4 KB
Coffee_bar.de.po	2017.09.25. 15:40	PO fordítás	16 KB
Coffee_bar.en.mo	2017.09.24. 17:32	MO fájl	12 KB
Coffee_bar.en.po	2017.09.25. 15:40	PO fordítás	17 KB
Coffee_bar.hu.mo	2017.09.24. 17:11	MO fájl	12 KB
Coffee_bar.hu.po	2017.09.25. 15:40	PO fordítás	18 KB
Coffee_bar.mo	2017.09.23. 17:24	MO fájl	1 KB
Coffee_bar.po	2017.09.25. 15:40	PO fordítás	15 KB
language.txt	2017.09.08. 20:25	Szöveges dokume...	1 KB



☛ *If you have a new language file, please send to me and I will include into the next release. Thanks!*

Now, you are ready to use the CORE system. Application specific guide can be found in the application user guide.

*Thank
you*

