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Description

     You don't need to keep in memory dozens of passwords for credit cards, bank accounts, web accounts and others any more, you can simply store them in your PDA using **PearPrivacy**. The only thing you have to memorize now is the password for this application. **PearPrivacy** is the best way to keep your personal information safe. The application uses safe and fast cryptography algorithm in combination with easy to use interface.

Features

- Cryptography algorithm **Blowfish**
- Hashing algorithm **Sha-1**
- **CBC** (Cipher Block Chaining) support
- All records are always codified and ordered
- Password generator
- **Quick Search** feature
- Creating templates for different types of data
- Each record can be bind with an icon or note
- Unlimited amount of records, data templates, fields
- Auto lock when the device goes to the sleep mode
- Unique collection of icons
- Useful and user friendly interface

System requirements

- Supports all handhelds running Palm OS 4.0 or later.
- Supports Hi-Res (320x320), Hi-Res Plus Portrait (320x480) and Landscape (480x320) mode displays.
- Supports 1/2/4/8/16-bit displays.

Installation

     If you have PearPrivacy 1.0 installed, you would only synchronize "PearPrivacy.prc" file to your device (be careful, don't install other files with .pdb extension because it will remove all data which you created using the previous version of the program).

     If you don't have PearPrivacy 1.0 on your device you have to install version 1.1 with sample databases. For this purpose synchronize "PearPrivacy.prc", "PearPrivacyTemplates.pdb", "PearPrivacyFields.pdb", "PearPrivacyData.pdb". If it is the first launch of the application with sample databases don't forget to set up the password: **1111**. Later you may change it to the other one.

Attention!!! Don't delete or replace these three files from your device: "PearPrivacyTemplates.pdb", "PearPrivacyFields.pdb", "PearPrivacyData.pdb".

PearPrivacy was created to keep your personal information safe. In general our program can help you to save/edit/view your personal information like the passwords for the credit cards and web accounts, registration codes for the programs, notes and all other information you want to keep beyond the reach of others.

Program based on two algorithms, the first one is a cryptography algorithm **Blowfish** and the second one is a hashing algorithm **Sha-1**. **PearPrivacy** uses a special way for storing you data which makes impossible to get access to it for unauthorized persons: floating size of the data fields in the database table, prohibition of saving not codified data. Besides your data is decoded only when your need it to give faster performance.

PearPrivacy based on the basic principles of databases. Relations between the elements you can see below:

Database structure in the case of one record   Database structure in general case
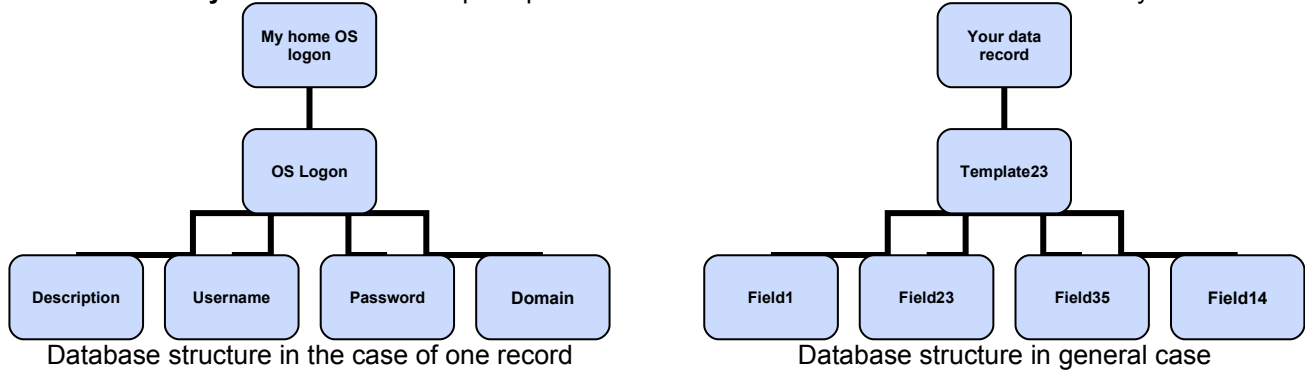
So changing the template will cause changes in all the records of this template. For example we removed the field "Domain" from the template "OS logon" as a result the field "Domain" was removed not only from the record "My home OS logon" but also from all the records related to the template "OS logon":
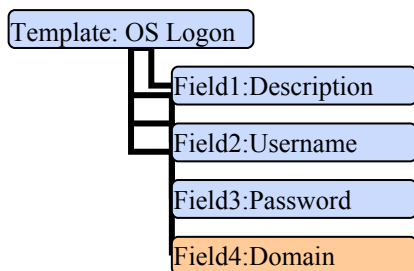
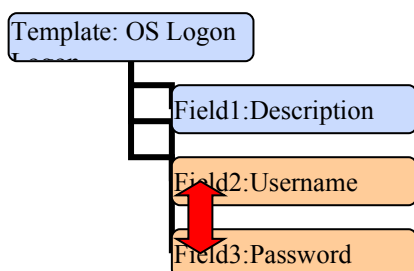Removing the field "Domain" from   Removing the field "Domain" will cause that it will be removed from all the
the template "OS logon"   records which are related to the template "OS logon"
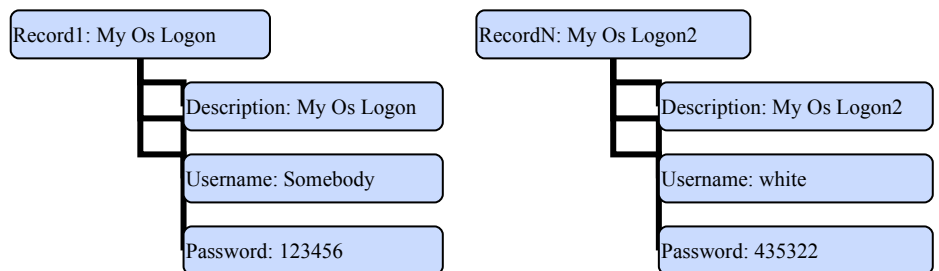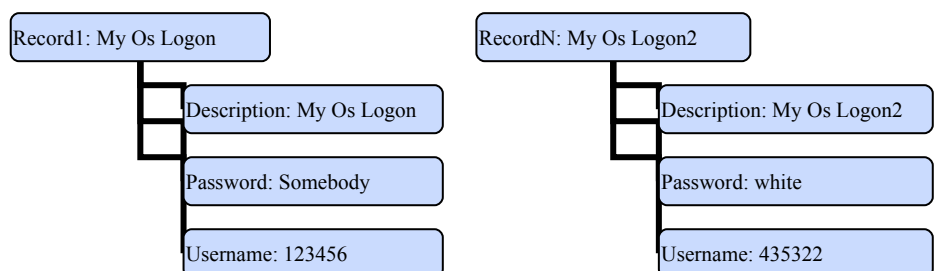
Let's make an example of replacing the fields in the template "OS logon" (let's replace the fields "username" and "password"):
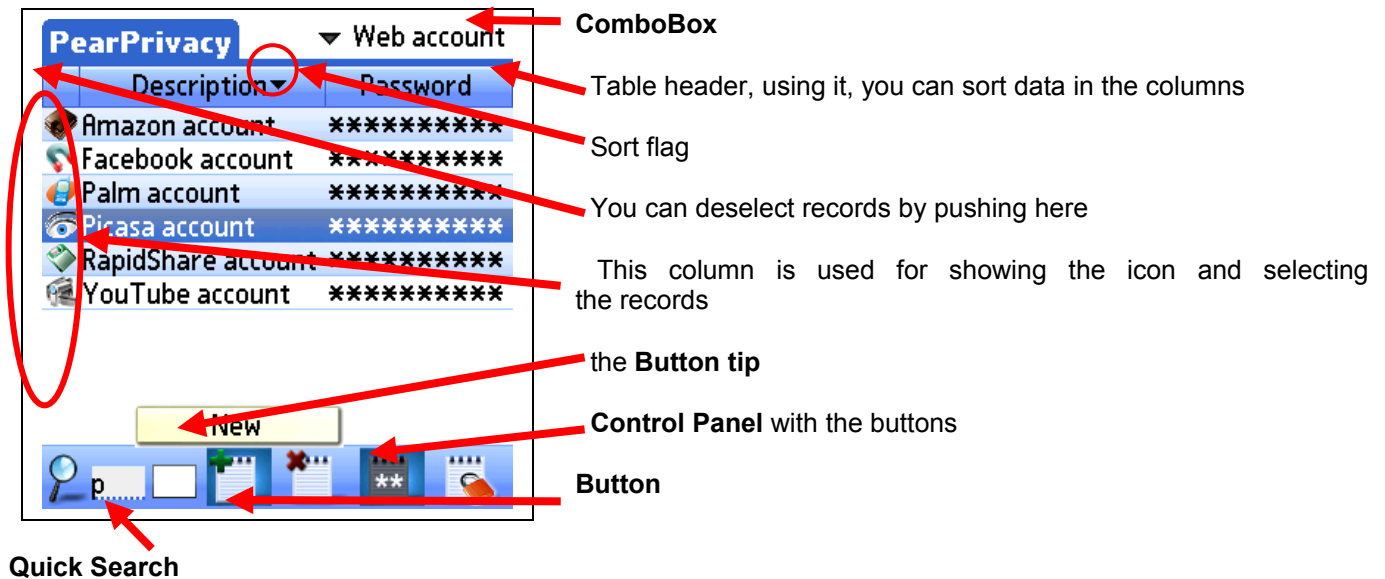
Replacing the fields   Removing the field 'Domain' from the records which are related to the
                                          template 'OS logon'

Interface

The application was created for the fast and comfortable work. So let's take a look at the main control elements.

ComboBox

Table header, using it, you can sort data in the columns

Sort flag

You can deselect records by pushing here

This column is used for showing the icon and selecting the records

the **Button tip**

Control Panel with the buttons

Button

Quick Search

 - this color means that the record was selected

First launch

At the first launch you have to input the password, you may do it using **Graffiti** or key input. The best way for creating a strong password is using symbols in uppercase and lowercase, numbers, special symbols. Such password will be very safe and hard to break (for example: e_f4G!8g^t). Don't create weak passwords (for example: the date of your birth, your telephone number, the name of your pet and so on). The passwords like these '1111, 1234, qwerty, asdf' are easy to break too. The most strong password consists of random symbols of different types.
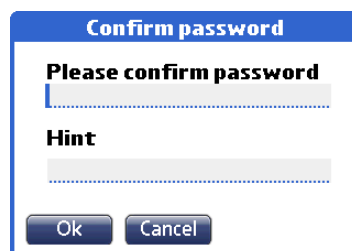
This window can be shown in two ways:

Number view

Symbol view

Then you have to confirm the password.
Attention! *Minimum password length – 4 symbols.*

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Entering the program you see the information window which tells when the trial period will be finished. If the trial period ends you will have to buy the application or exit. After program purchase this window will never appear again.

When you enter the application you always have to input your password and then push "Enter". For changing the views you can use special buttons.

Number view   Symbol view

 , - to change the window views

 - to erase the previous symbol

 - to erase all symbols

 - to hide the text

 - to enter the application

 - hint to remember the password

Using Main Window

At the top right corner you can see **ComboBox**, it shows the name of the active template, there is a table with the records which belong to this template below.

If you want to edit the record, tap it and *New/Edit/View* **record** window will appear.

 - to add a new record

 - to delete the selected record (the group of the records)

 - to hide the contents of the second field

 - to lock program

 - to find record

Note: you can find record using **Quick search**, simply input the previous symbols of the record name

To show the records of the another template or all records or to go to the **Edit** window of the templates you have to use **Combo Box** at the top right corner of the window. After pushing it the popup list will appear, there you can make a selection.

Popup list
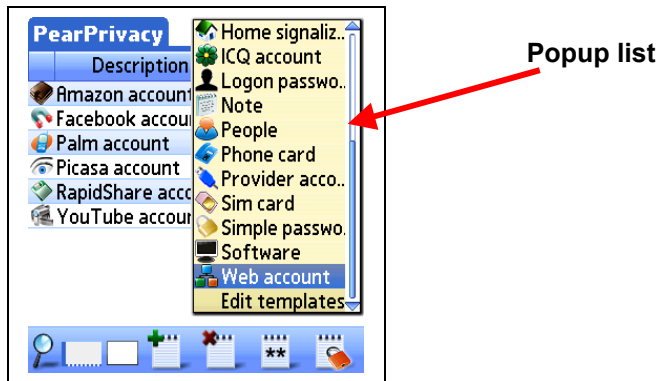
Note: you can quickly find template using **Quick search**

Main Form menu
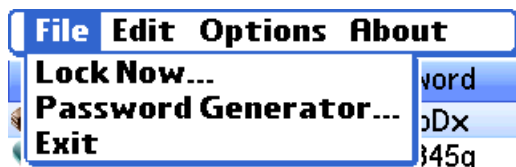
Lock now – to go to the password input window
Password Generator – to go to the window for generating password
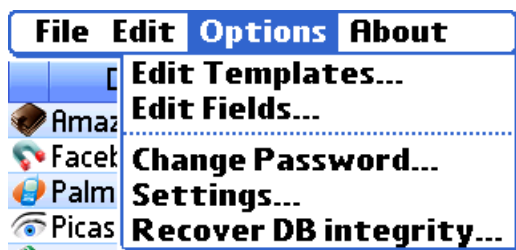**Exit** – to exit the program

Select All – to select all strings
Clear Selection – to clear selection
Invert Selection – to invert selection
New record – to add a new record
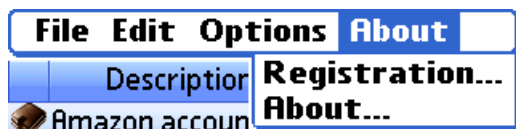**Delete** – to delete the record or the group of the selected records

Edit templates – to go to the **Edit Templates** window
Edit fields – to go to the **Edit Fields** window
Change password – to change the current password
Settings – to set security and interface settings

Recover DB integrity – to repair the errors in the databases
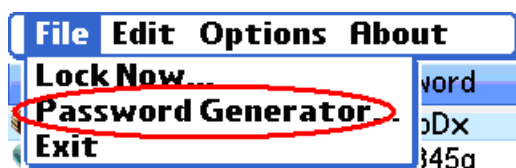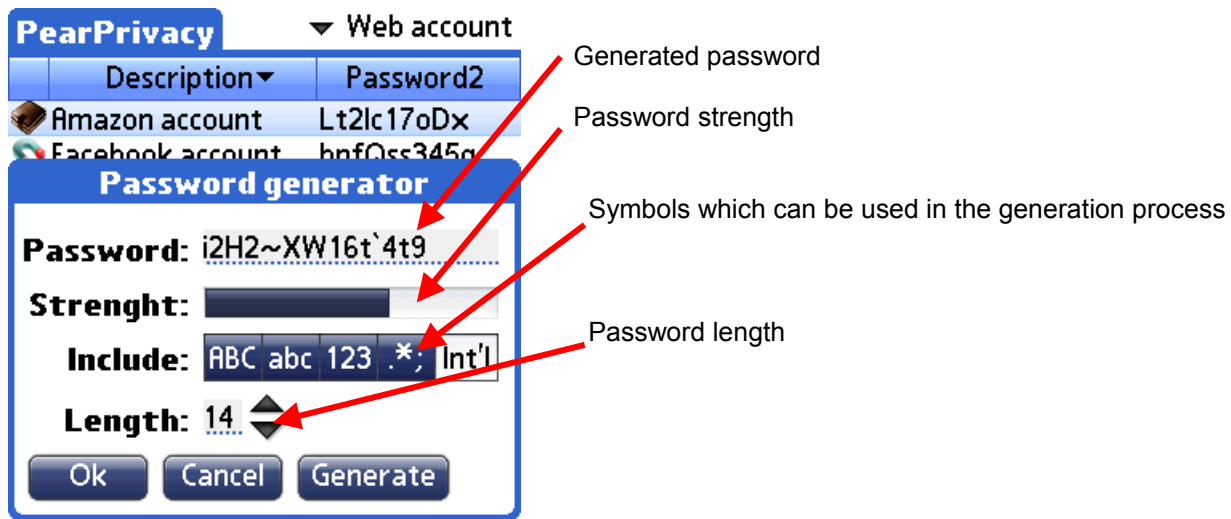

Registration – to go to the **Registration** window
About – to go to the application information window
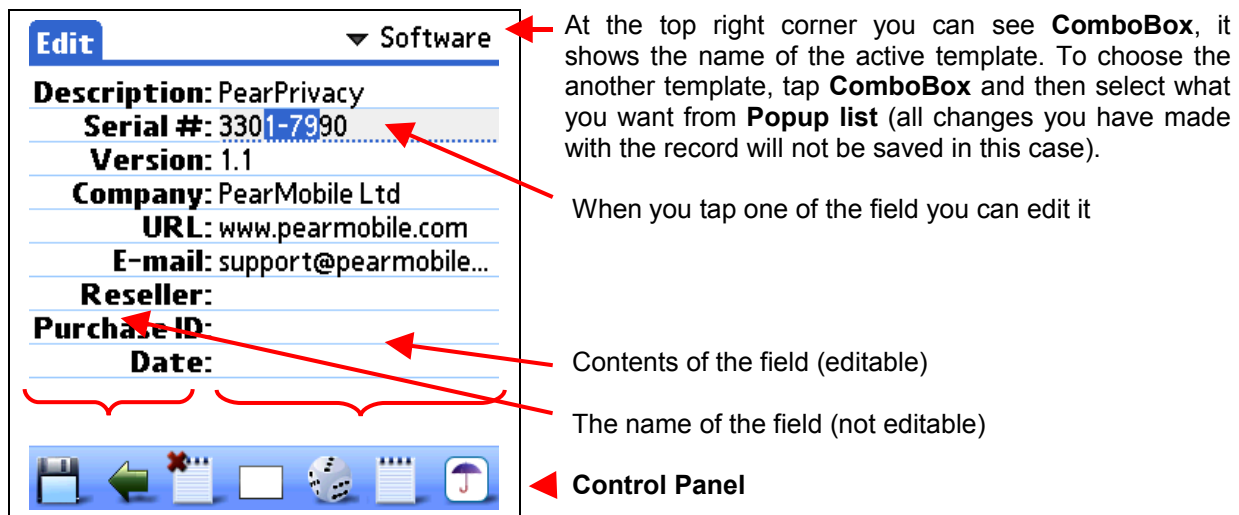
Generating the passwords

This program includes the password generator, which can be launched during the process of editing the record. Moreover you can use password generator in **Main** window.

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Generated password

Password strength

Symbols which can be used in the generation process

Password length

Using New/Edit/View Record Window

After pushing the button **Add record** or tapping the record in the table of the **Main** window you will see the window for viewing and editing the records. The window consists of the three parts, on the left side you can see the names of the fields, on the right one you can see their contents, below – **Control Panel**.


At the top right corner you can see **ComboBox**, it shows the name of the active template. To choose the another template, tap **ComboBox** and then select what you want from **Popup list** (all changes you have made with the record will not be saved in this case).

When you tap one of the field you can edit it

Contents of the field (editable)

The name of the field (not editable)

Control Panel

Control Panel

Control Panel is the part of the main window where you can find control buttons.

Push to save the changes and to return to the **Main** window

Push to discard the changes and to return to the **Main** window

Push to remove the current record

Push to generate the password for the selected field

Push to edit the note

Push to choose an icon

New/Edit/View Record Form menu
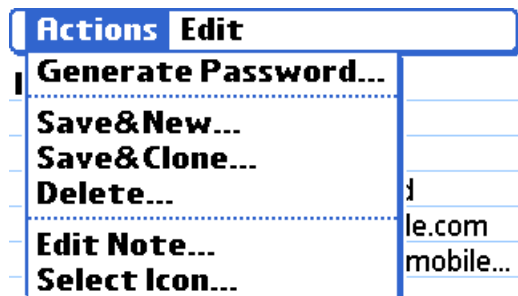
Generate Password – generating the password for the current field
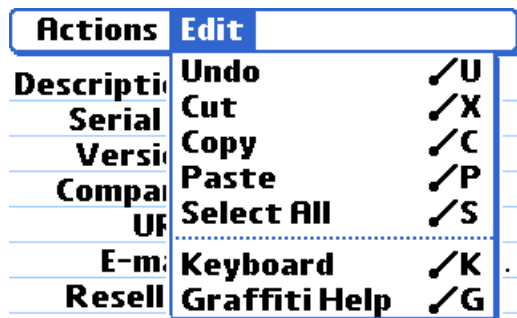**Save&New** – to save the current record or to create the new one
Save&Clone – to save or duplicate the current record
Delete – to delete the current record
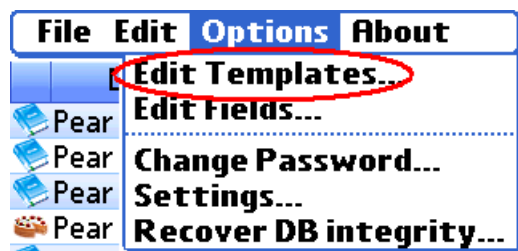**Edit Note** – to edit the record note
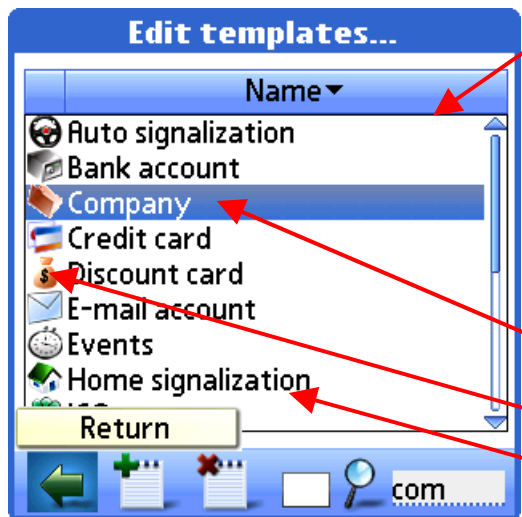**Select Icon** – to select the icon for the record

Standard Palm OS Clipboard routines

Using Edit Templates Window

You can go to **Edit Templates** window using **System Menu** or **ComboBox** on the **Main** window.

You can use **Edit Templates** window for creating a new template, deleting the template or group of the templates

By tapping the table header you can sort the data in the field

Push - to go back to the **Main** window

Push - to add a new template

Push - to delete the selected template (the group of the templates)
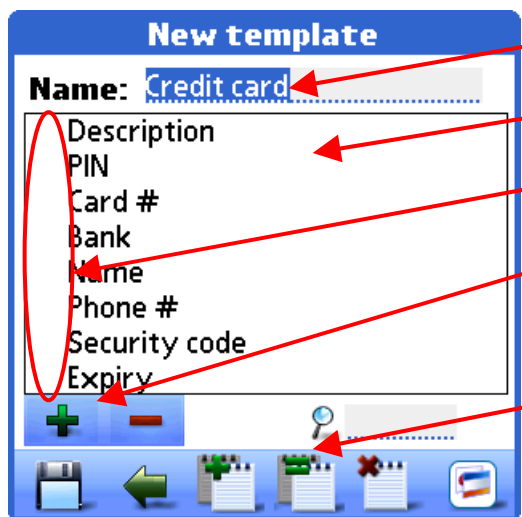
To edit the template, tap it in the table.

Default icon

The name of the template

Note: you can quickly find template using **Quick search**

Attention! Be attentive when you are deleting the template which has related data. You will be answered about deleting this data. If you push "Yes" all related data will be completely removed.

Using New/Edit Template Window

The name of the template

The table for editing the fields of the template

The column for selecting the records

Control buttons

Control Panel

New/Edit template window is a good way for creating the template of the document. In the table of the window you can select the records, which you want to remove. Besides there is an opportunity of moving the fields of the template.
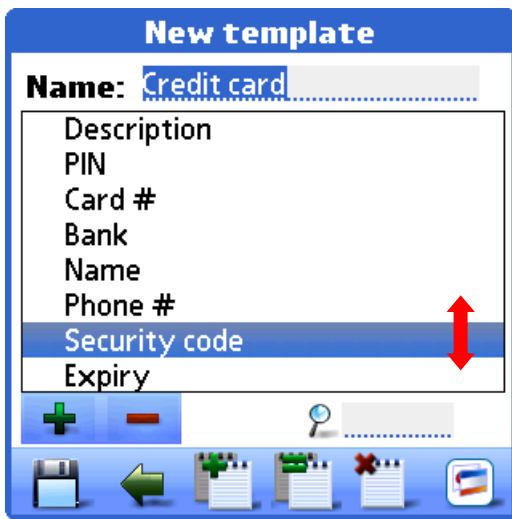
Tap the field, then you can move it up and down

It's very simple to add or to delete the field

To change the string you have to push it. After that the popup window will appear in which you can select the necessary field.

To add a new field you can use (select the necessary field in the list)

To delete the selected field use

Note: you can quickly find field in Popup list using **Quick search**

Attention! "Description" is the default field and you can't delete or move it

Control Panel

Control Panel is the part of the main window where you can find control buttons.

Push to save the changes and to return to the **Edit Templates** window

Push to discard the changes and to return to the **Edit Templates** window

Push to save the changes and to create a new record using the active template

Push to save the changes and to create a duplicate record

Push to remove the current record

Push to choose an icon

When you change the order of the fields in the template there are no changes in the related data. So we can get this case:
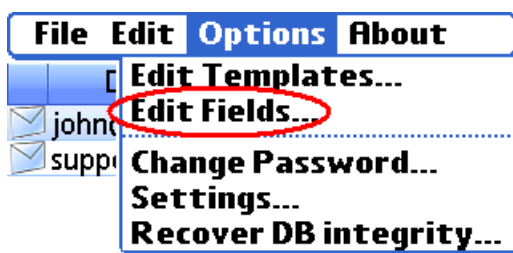
	Before the template change		After the template change

**Attention!** *Edit the templates which has related data accurately.*

Attention! *If number of the fields in the template after editing became smaller so some data records related to this template were truncated.*

Using Edit Fields Window

You can go to the **Edit fields** window using **System Menu**

You can use **Edit Fields** window for creating or removing the field or the group of the fields
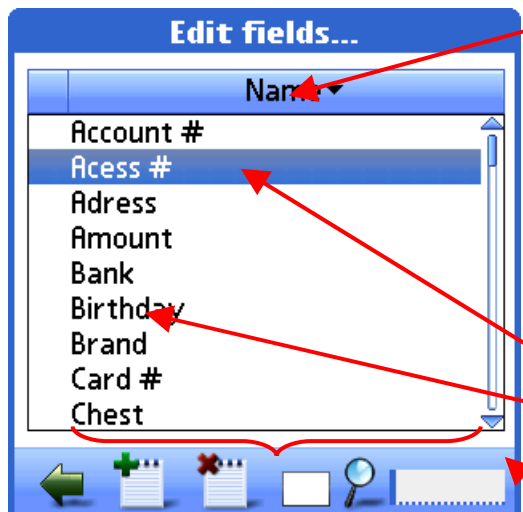
Tapping the table header you can sort the field

- to go back to the **Main** window

- to add a new field

- to delete the selected field (the group of the fields)

To edit the template, tap it in the table.
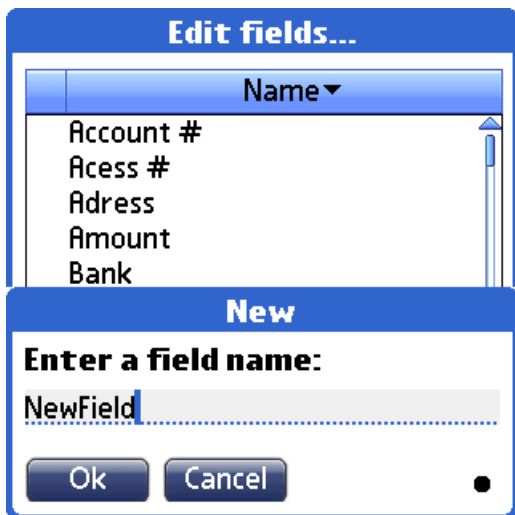
The name of the template

Control Panel

Note: you can quickly find field using **Quick search**

Attention! *You can't remove the field if it is used in one of the templates. To remove the field you have to edit the template, which contains this field.*

Attention! *"Description" is the default field and you can't remove or change the name of it.*
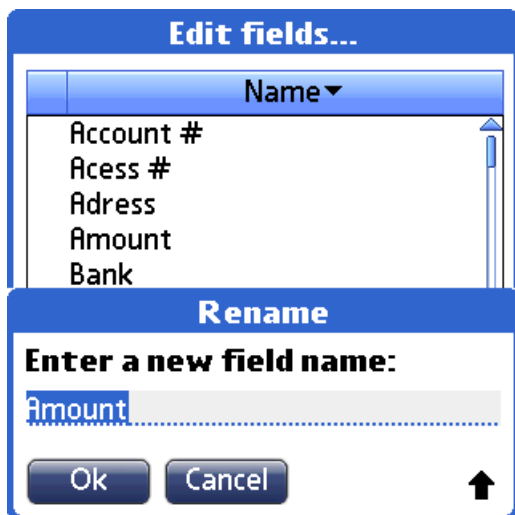
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Using New Field Window

If you want to create a new field, push "Ok" in another case push "Cancel"

Attention! *The name of the field is a unique value and you can't create fields with the same names.*

Using Edit Field Window

If you want to edit the field, push "Ok" in another case push "Cancel"

Attention! *The name of the field is a unique value and you can't create fields with the same names.*
**Attention!** *Be careful when you are changing the name of the field which used in the template structure because the changes will appear not only in the template but also in the related data.*

For example let's rename "password" into "password2":

Before renaming   After renaming

How to change the password

You can always change the password for access to **PearPrivacy**. You can do this using **System Menu** of the **Main** window:
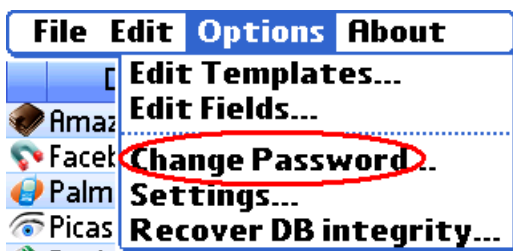
You have to input the old password, then new one and then confirm it.

Password generator

How to Set an Icon

You can select icon for the record using the special window. Simply choose the icon you want and then push it.

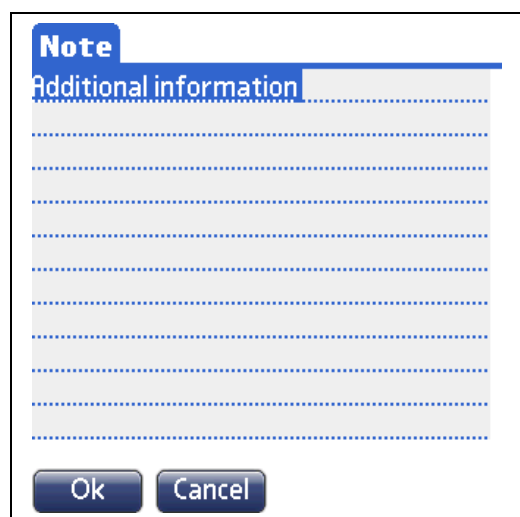**Oк** – to save the chosen icon
Cancel – to cancel the choice
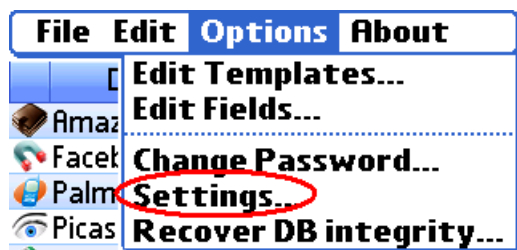**No icon** – you don't want to select any icon
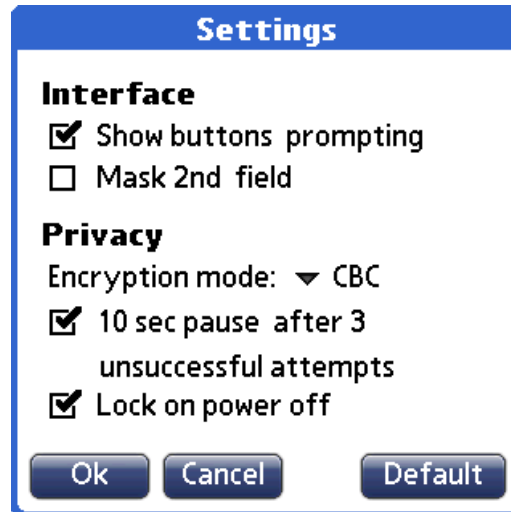
How to add a Note

Oк – to save the text
Cancel – to return back to the previous window without save

Using Settings window

You can always change the settings of the application. You can go to the **Settings** window using **System Menu** of the **Main** window.

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Settings window consists of two parts: **Interface** and **Security** settings.


Interface settings

- You can enable or disable tips for buttons using the element 'Show buttons prompting'
- If you want to hide data in the second column, all data will be shown in this way '****', check 'Mask 2nd field'

Security settings

- In the version 1.1 new cryptography mode CBC (Cipher Block Chaining) appeared. In contrast to ECB (Electronic Code Book) mode, CBC provides much more protection. We recommend you to use this mode.
- As a default there is a 30 second password input freeze after every three wrong attempts to enter the application. You can disable this option, check '30 sec pause after 3 unsuccessful attempts'
- There is a default option of freezing the program when the 'Power off' mode is activated . To disable this function uncheck «Lock on power off»

Checking database integrity
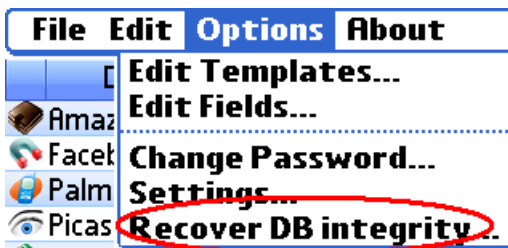
If you have problems in program functionality, the reason of them may be deleting of one of the program databases. Tap the menu item **Recover DB integrity**.

About window

About window shows where you can buy the application. Product **Homepage** is also presented there. Tap the **Register** button to open the **Registration** window where you can enter the registration code. You'll receive the registration code after you purchase the product.

Registration window

You can purchase the application here: http://www.pearmobile.com/.

Once you purchase **PearPrivacy** the registration code will be e-mailed to you. After you receive it you should enter it in the **Registration** window. To open this window, you should tap 'Registration' in **System Menu**.

How to uninstall the program

To uninstall the program, delete it from the handheld using the standard system dialog as well.

Note! All minor updates are free of charge for registered customers!

Free usage of **PearPrivacy** is limited by 14 days.

You can purchase it here: Product Homepage:
http://www.pearmobile.com/   http://www.pearmobile.com/

For support and suggestions of improving our products please write to: support@pearmobile.com or fill out our Request Form http://www.pearmobile.com/support/