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## Introduction

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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

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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". Default password for the sample database is "1111". Later you may change it to the other one.

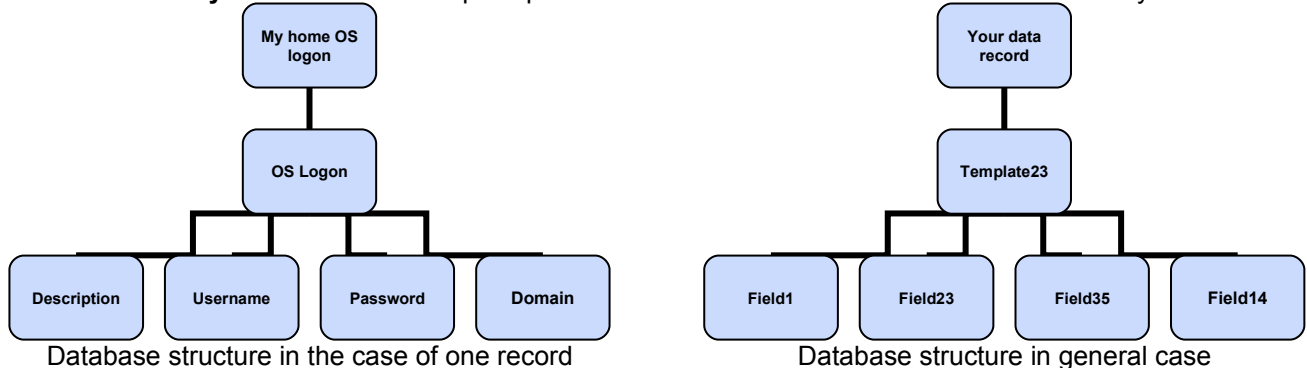
**Attention!!!** Don't delete or replace these three files from your device: "PearPrivacyTemplates.pdb", "PearPrivacyFields.pdb", "PearPrivacyData.pdb".

## Program concepts

**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.

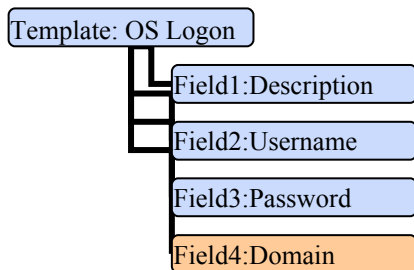
Program based on two algorithms, the first one is a cryptography algorithm **Blowfish** and the second one is a hashing algorithm **Sha-1**. **PearPrivacy** uses a special way for storing you data which makes impossible to get access to it for unauthorized persons: floating size of the data fields in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

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

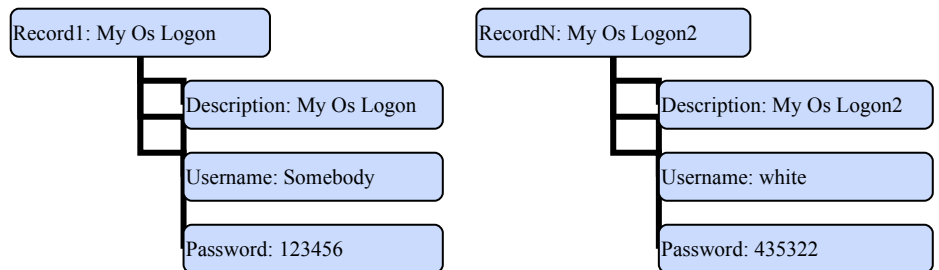


So changing the template will cause changes in all the records of this template. For example we removed the field "Domain" from the template "OS logon" as a result the field "Domain" was removed not only from the record "My home OS logon" but also from all the records related to the template "OS logon":

Removing the field "Domain" from the template "OS logon"

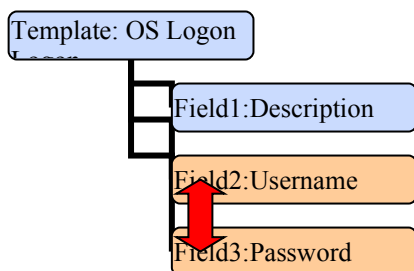


Removing the field "Domain" will cause that it will be removed from all the records which are related to the template "OS logon"

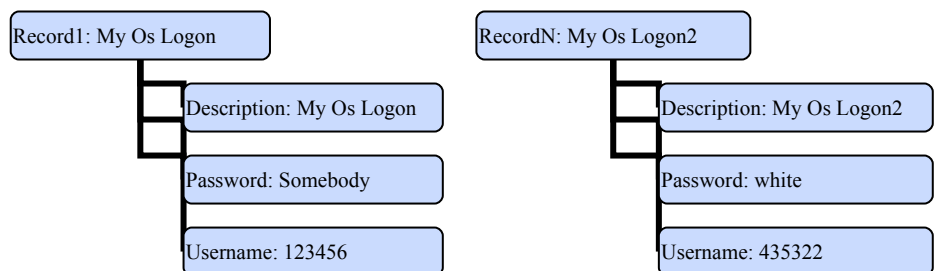


Let's make an example of replacing the fields in the template "OS logon" (let's replace the fields "username" and "password"):

Replacing the fields

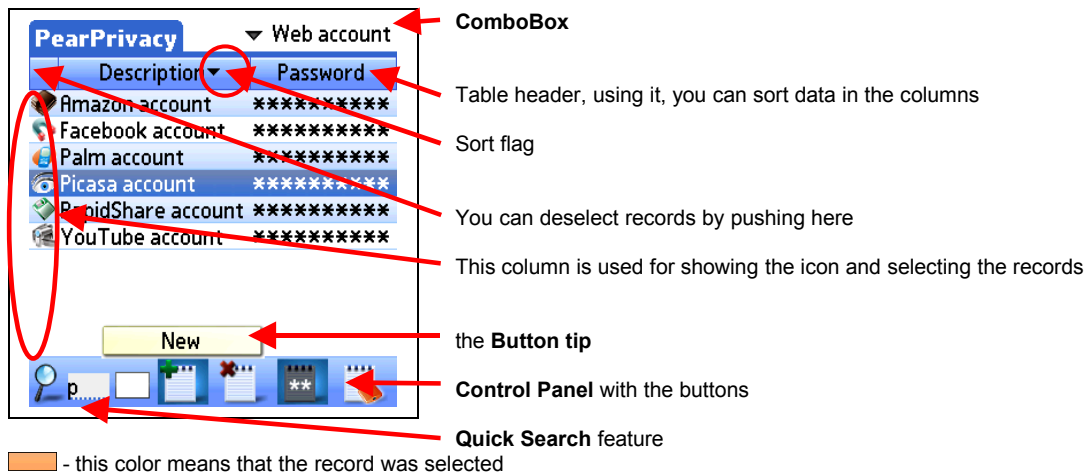


Removing the field 'Domain' from the records which are related to the template 'OS logon'



## Interface

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



## First launch

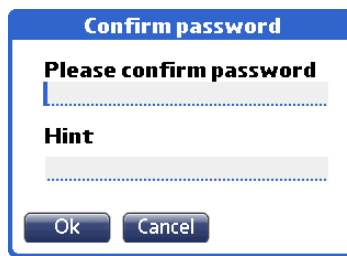
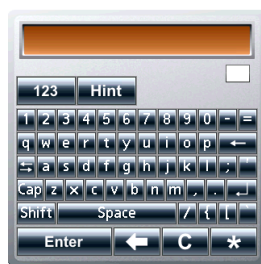
At the first launch you have to input the password, you may do it using **Graffiti** or key input. The best way for creating a strong password is using symbols in uppercase and lowercase, numbers, special symbols. Such password will be very safe and hard to break (for example: e\_f4Gl8g^t). Don't create 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.

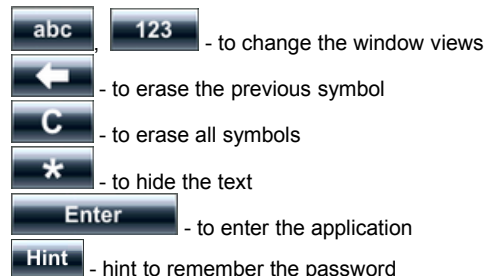
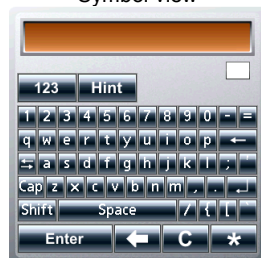
## Entering the program

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.

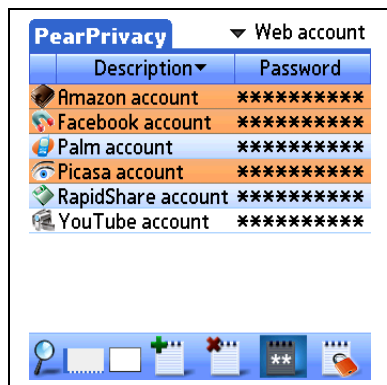
When you enter the application you always have to input your password and then push "Enter". For changing the views you can use special buttons.

Number view

Symbol view



## 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

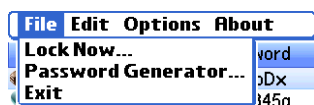


- to find record

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.

## 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



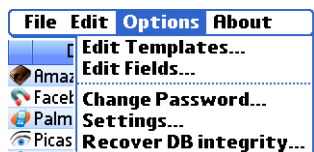
**Select All** – to select all strings

**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



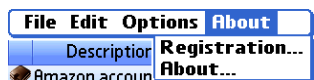
**Edit templates** – to go to the **Edit Templates** window

**Edit fields** – to go to the **Edit Fields** window

**Change password** – to change the current password

**Settings** – to set security and interface settings

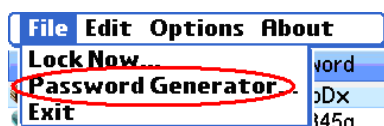
**Recover DB integrity** – to repair the errors in the databases



**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.



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








The name of the field (not editable)

Contents of the field (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 make the text of the current record invisible
- 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

**Export to Memo** – to export the current record into Memo

**Edit Template** – to edit the template to which the current record belongs

**Edit Note** – to edit the record note

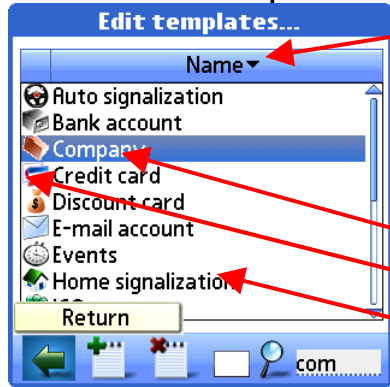
**Select Icon** – to select the icon for the record

**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

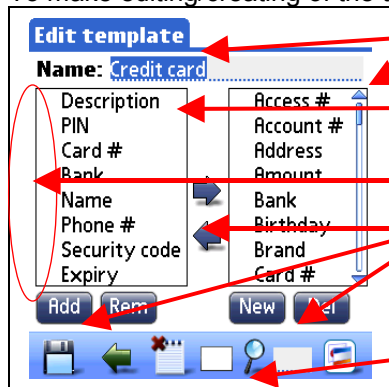
The name of the template

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

To make editing/creating of the templates more comfortable, possibilities of fields editing are included in the form.



The name of the template

The list of all fields in which you can choose or edit the fields

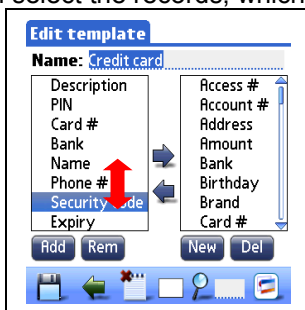
The list of all fields of the current template

The column for selecting the records

Control buttons

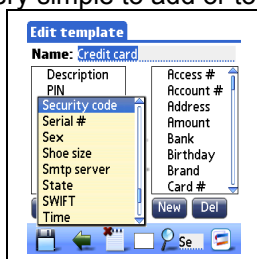
Control Panel

**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



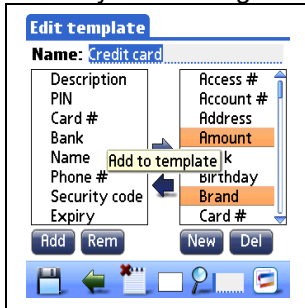
To choose the new field you should tap the old one. After that the popup window will appear in which you can select the necessary field.

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

To remove the selected field use **Rem**

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

## Another way for creating/editing of the fields



There is a list of all available fields in the right table. You can change them, add new ones, delete useless fields without using special form for fields editing.

To change the field you should tap it. After that the popup window will appear in which you can edit name of the field.

To add a new field to the list you should tap **New**

To delete the selected field(s) from the list, select the field(s) and then tap **Del**

To add the fields to the template select them in the list and then tap

To delete the fields from the current template select them in the list and then tap

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

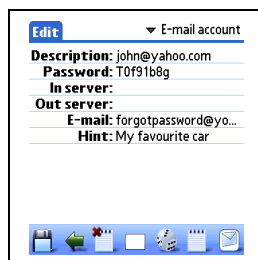
## Control Panel

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

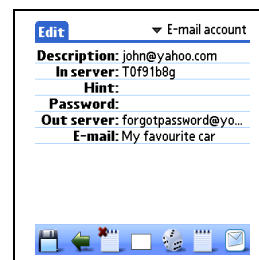
- Push to save the changes and to return to the **Edit Templates** window
- Push to discard the changes and to return to the **Edit Templates** window
- Push to remove the current record
- Push to choose an icon

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



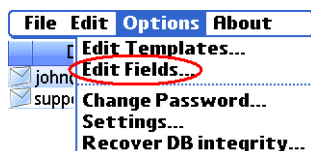
After the template change



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

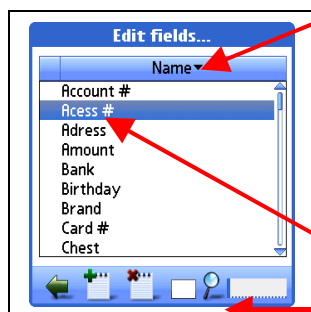
**Attention!** If number of the fields in the template after editing became smaller so some data records related to this template were truncated.

## 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.

**Control Panel**

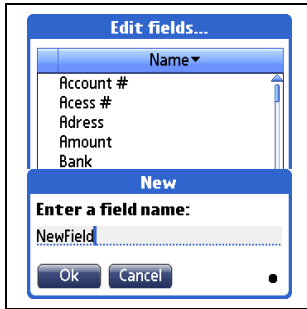
Note: you can quickly find field using **Quick search**

**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.



## 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":

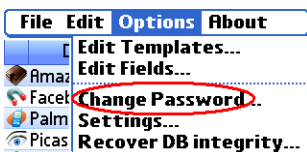
Before renaming



After renaming



## How to change the password

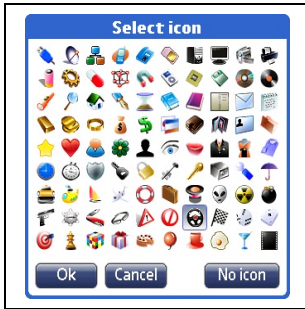


You can always change the password for access to **PearPrivacy**. You can do this using **System Menu** of the **Main window**



You have to input the old password, then new one and then confirm it.

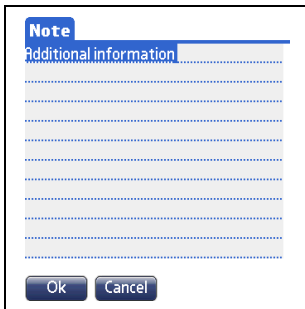
## How to Set an Icon



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

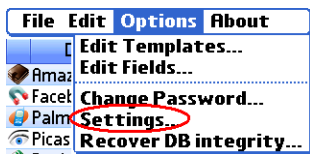
**Ok** – to save the chosen icon  
**Cancel** – to cancel the choice  
**No icon** – you don't want to select any icon

## How to add a Note



**Ok** – 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.

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



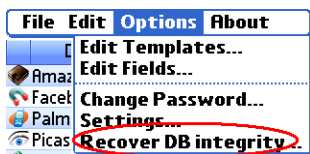
### Interface settings

- You can enable or disable tips for buttons using the element 'Show buttons prompting'

### 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

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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

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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:  
<http://www.pearmobile.com/>

Product Homepage:  
<http://www.pearmobile.com/>

For support and suggestions of improving our products please write to: [support@pearmobile.com](mailto:support@pearmobile.com) or fill out our Request Form <http://www.pearmobile.com/support/>

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