

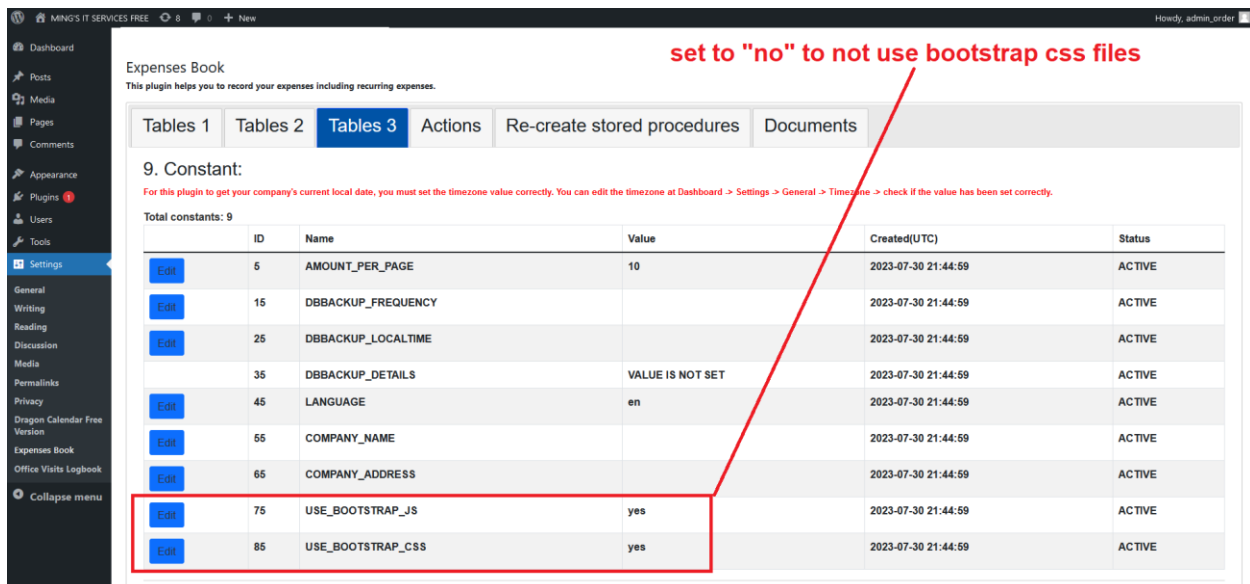
# Expenses Book Plugin for WordPress

Version 1.0 – last updated 2020-05-07

You want to record your expenses history in a 100% private and 100% safe place? You do not want to use the cloud because it's not 100% private and 100% safe. We provide you a plugin to give you 100% privacy and 100% safety for your expenses records. You can install this plugin on your website in a company intranet or as your own computer's localhost. Data is saved in the same MySQL database for your WordPress website.

This expenses book plugin is for you to record your expenses **including recurring expenses** for future purposes such as tax reporting. It can be related to many different expense types such as Salaries and Wages, Company Management, Meals and Entertainment, and etc. It can be related to a tax rate, a customer, and a recurring expense. It's comparable to zoho invoice, which is in an internet public website.

**By default, this plugin uses Bootstrap (<https://getbootstrap.com/>) for the formatting. But sometimes you already have your own formatting css files. So you may need to remove these Bootstrap css and javascript files when you use this plugin. If this is the case, you can choose not to use Bootstrap's css and javascript files by changing the values of USE\_BOOTSTRAP\_JS and USE\_BOOTSTRAP\_CSS to no (0) in the constant table.**



Expenses Book

This plugin helps you to record your expenses including recurring expenses.

Tables 1 Tables 2 **Tables 3** Actions Re-create stored procedures Documents

9. Constant:

For this plugin to get your company's current local date, you must set the timezone value correctly. You can edit the timezone at Dashboard -> Settings -> General -> Timezone -> check if the value has been set correctly.

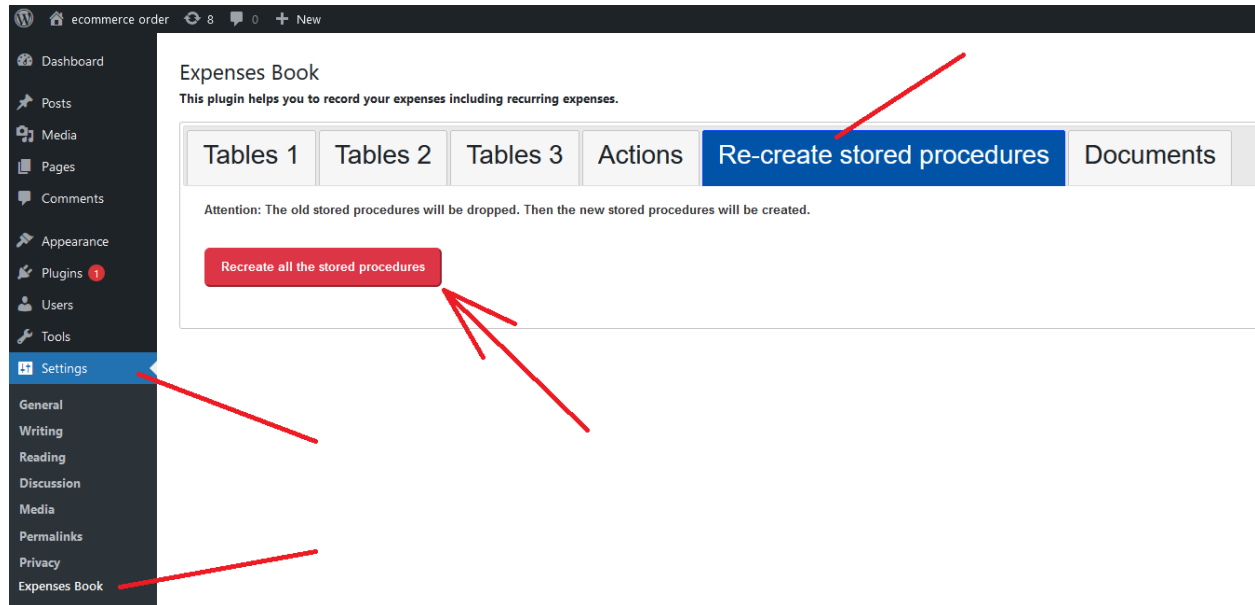
Total constants: 9

	ID	Name	Value	Created(UTC)	Status
EDIT	5	AMOUNT_PER_PAGE	10	2023-07-30 21:44:59	ACTIVE
EDIT	15	DBBACKUP_FREQUENCY		2023-07-30 21:44:59	ACTIVE
EDIT	25	DBBACKUP_LOCALTIME		2023-07-30 21:44:59	ACTIVE
	35	DBBACKUP_DETAILS	VALUE IS NOT SET	2023-07-30 21:44:59	ACTIVE
EDIT	45	LANGUAGE	en	2023-07-30 21:44:59	ACTIVE
EDIT	55	COMPANY_NAME		2023-07-30 21:44:59	ACTIVE
EDIT	65	COMPANY_ADDRESS		2023-07-30 21:44:59	ACTIVE
EDIT	75	USE_BOOTSTRAP_JS	yes	2023-07-30 21:44:59	ACTIVE
EDIT	85	USE_BOOTSTRAP_CSS	yes	2023-07-30 21:44:59	ACTIVE

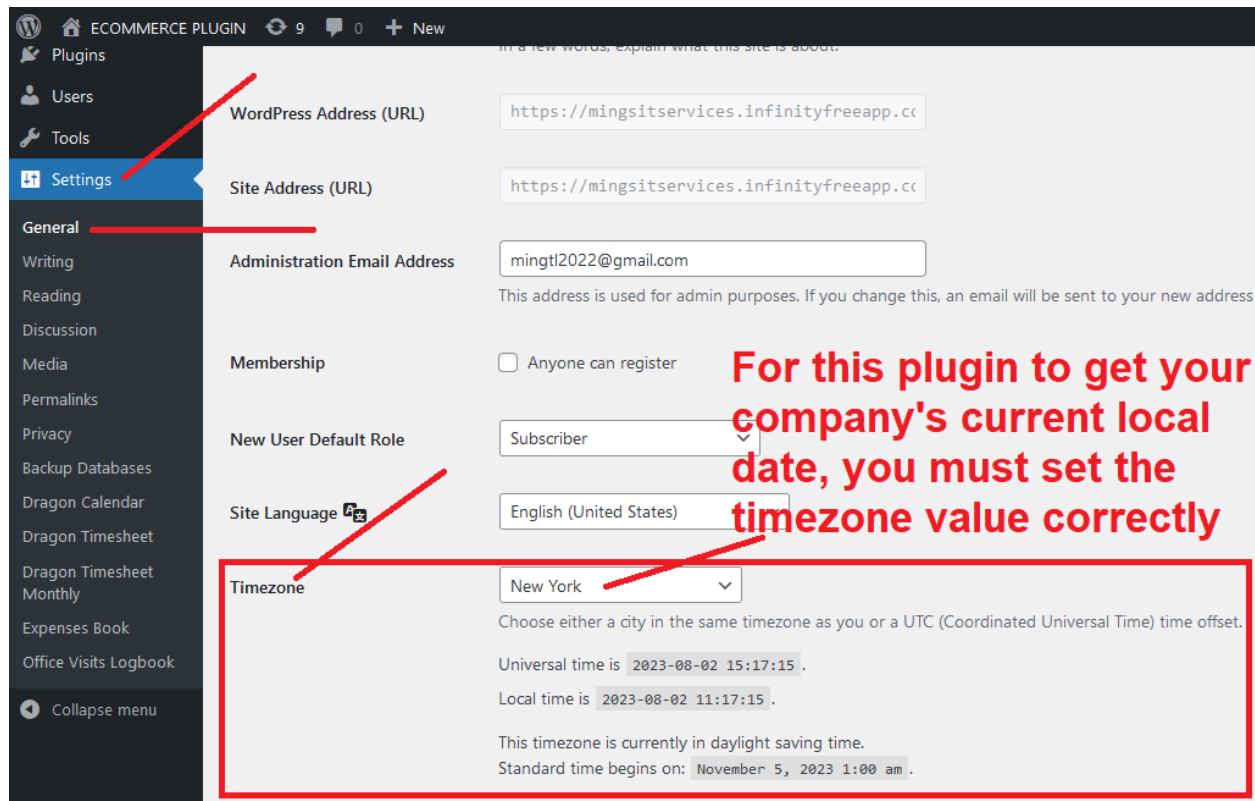
set to "no" to not use bootstrap css files

**If you did not find USE\_BOOTSTRAP\_JS and USE\_BOOTSTRAP\_CSS in your constant table, please deactivate this plugin and activate it again. Then USE\_BOOTSTRAP\_JS and USE\_BOOTSTRAP\_CSS will be automatically added to your constant table.**

If you find out that the search result is not showing all the fields' data, you can try to re-create stored procedures in the admin plugin page. Go to admin page, click "Settings", and then click "Expenses Book". Then click tab "Re-create stored procedures", and press the button to re-create all the stored procedures again.



**For this plugin to get your company's current local date, you must set the timezone value correctly. You can edit the timezone at Dashboard -> Settings -> General -> Timezone -> check if the value has been set correctly.**



This plugin has the **web accessibility** feature for the disabled people to listen to the screen reader. The disabled people just need to press the tab key to access the elements on the page. Then use keyboard to input. Then press the enter key for submit, reset and cancel. To use this feature, you can download and use any screen reader software such as NVDA (for Windows), VoiceOver (for Apple), etc. Most of this kind of software is free to download and use.

This plugin has an access restriction feature. You can give a user access to the landing page by adding the user to the wp\_expenseszyx987\_users table. You must log in WordPress website to access this plugin's landing page.

This plugin uses a responsive design. You can use it from your cellphone, tablet, laptop, and PC. The layout will change accordingly.

For example, here is an example of a tablet browser:

Create Expense:

Expense Date\* (For example, 2000-12-01, not 2000-12-1, not 12/1/2000, not 1/12/2000, not Jan 12, 2000):

Expense Type\*:

Select one...

Amount\*:

Select currency...

Tax Rate:

Select rate...

Reference #:

Notes:

Customer Name:

Select one...

Expense Is Recurring?:

☒ No

☐ Yes

SUBMIT

RESET

CANCEL

Here is an example of a cellphone browser:

---

**Create Expense:**

---

**Expense Date\*** (For example, 2000-12-01,  
not 2000-12-1, not 12/1/2000, not  
1/12/2000, not Jan 12, 2000):

**Expense Type\*:**

Select one...



**Amount\*:**

Select currency...




**Tax Rate:**

Select rate...

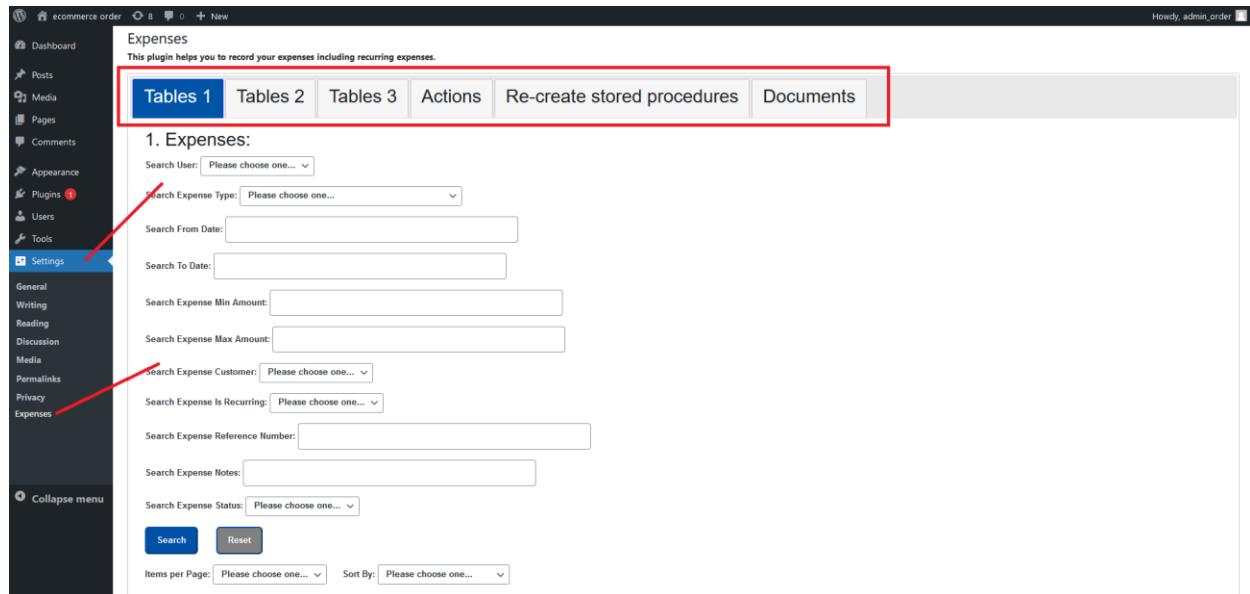


**Reference #:**

**Notes:**



Here is the admin page:



1. You can use this plugin to create/edit/delete expenses. It can be related to many different expense types such as Salaries and Wages, Company Management, Meals and Entertainment, and etc. It can be related to a tax rate, a customer, and a recurring expense. You can add any new type categories and expense types if you want. You can do that in the admin page. Here are the wp\_expenseszyx987\_expense table's columns:

wp_expenseszyx987_expense	
Columns	
◆	id
◆	userid
◆	expensetypeid
◆	expensereferencenumber
◆	expensenotes
◆	expensedate
◆	expensecurrencyid
◆	expenseamount
◆	expenseamountincludetax
◆	taxrateid
◆	customerid
◆	isrecurring
◆	recurringpaymentstartdate
◆	recurringpaymentenddate
◆	recurringpaymentfrequencyid
◆	recurringpaymentdayid
◆	status
◆	createtimeutc
◆	updatetimeutc

2. When creating/editing expenses, you can choose different kinds of expense types from the drop down list. For example, types can be “Company Management”, “Salaries and Wages”, “Meals and Entertainment”, etc. See the image below:

Create Expense:

Expense Date\* (For example, 2000-12-01, not 2000-12-1, not 12/1/2000, not 1/12/2000, not Jan 12, 2000):

Expense Type\*:

Select one...

Select one...

Company Management [Management]

Depreciation Expense [Management]

Salaries and Wages [Management]

IT and Network Expenses [Technology]

Marketing and Sales [Technology]

Accommodation [Services]

Automobile Expense [Services]

Check Expense [Services]

Consultant Expense [Services]

Credit Card Expense [Services]

Debit Card Expense [Services]

E Transfer Expense [Services]

Health Kit and Other Health Services [Services]

Janitorial Expense [Services]

3. When creating/editing expenses, you can choose different kinds of tax rates from the drop down list.

Create Expense:

Expense Date\* (For example, 2000-12-01, not 2000-12-1, not 12/1/2000, not 1/12/2000, not Jan 12, 2000):

Expense Type\*:

Select one...

Amount\*:

Select currency...

Tax Rate:

Select rate...

Select rate...

HST [13%]

4. When creating/editing expenses, you can choose if the expense is recurring.

5. This plugin uses a lot of stored procedures. This makes it fast to process database queries.
6. This plugin uses Mysql for database query. It can prevent SQL injection.
7. You can create/edit expenses. You can also delete the expense if you want.

Click the "CREATE EXPENSE" button to create your expense.

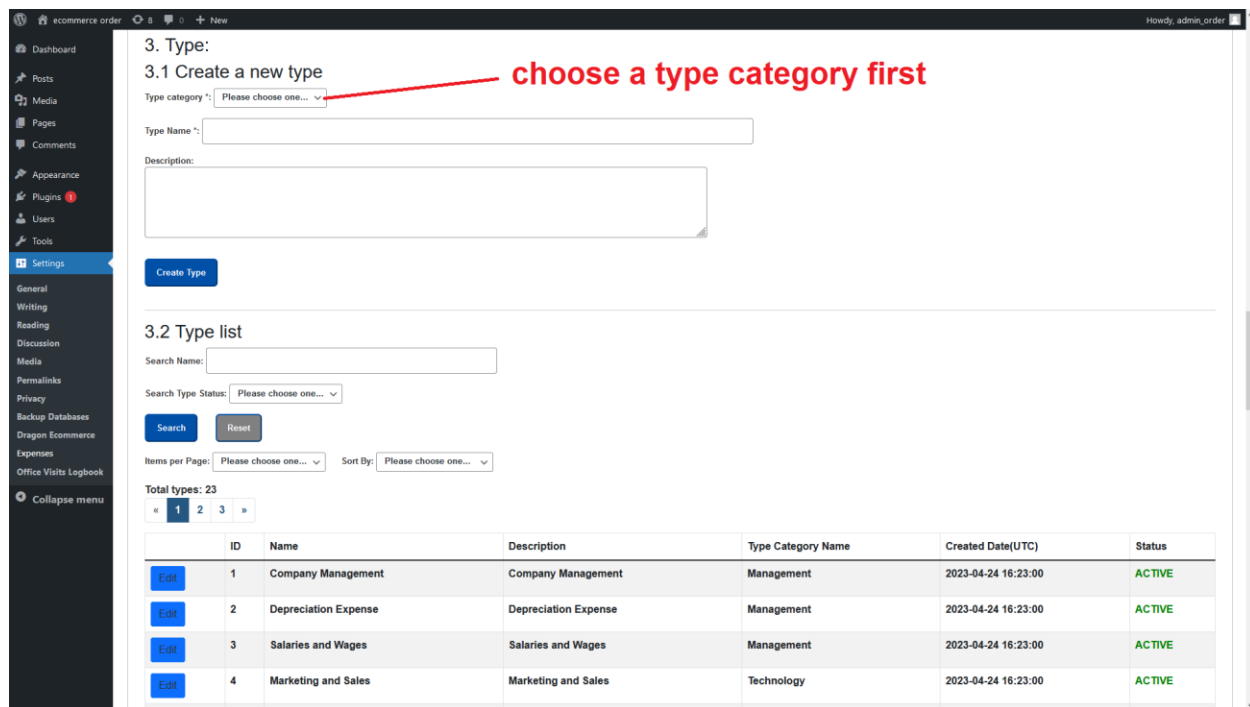
Enter your name and other info to find your expense.

An expense record can be updated only when it is active and recurringpaymentenddate is empty.

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8. You can create/edit an expense type. See the image below:





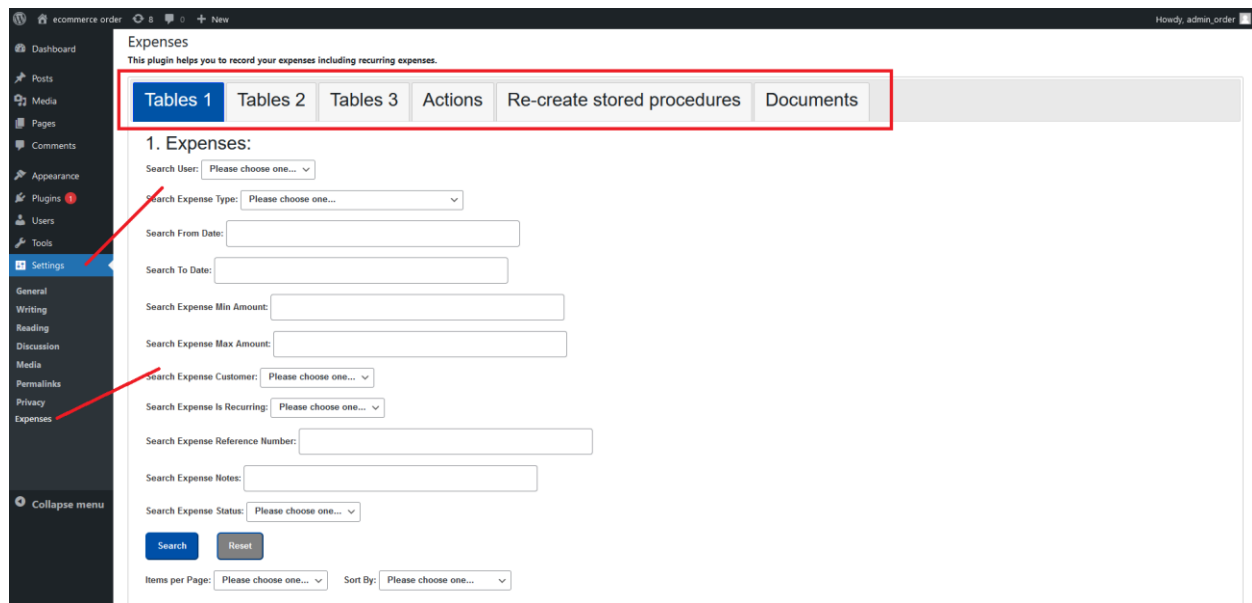
9. Mobile responsive. You can create/edit/delete expenses from desktop, laptop, tablets and cellphones by accessing your website. The typical company usage is from a desktop.

10. It can be used for any WordPress themes. It has its own menu and CSS file. It only needs one single URL to show a website to users. So it can be perfectly integrated into your existing WordPress website.

11. Single page is used for this plugin's webpage. Parameters are added in the URL for a HTTP GET request. When do HTTP POST, the parameter values will be added into PHP and JavaScript code.

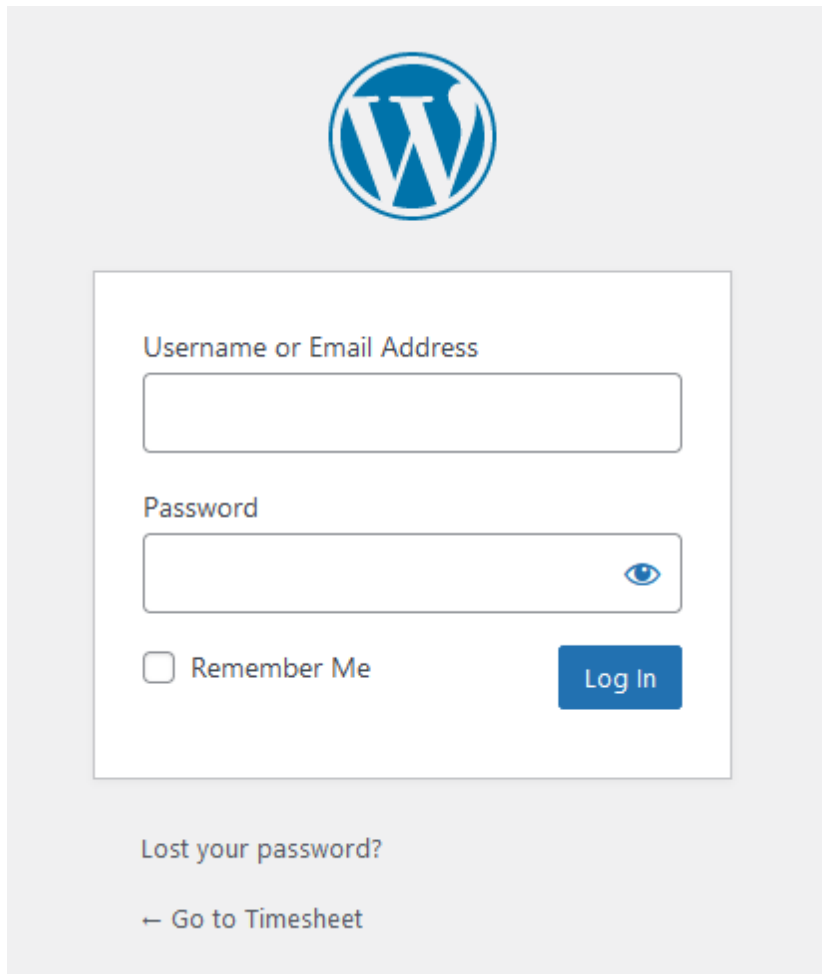
12. Since it's a single page design, you do not need to worry about if other plugin's URLs will have the same URLs as our plugin. For example, you do not need to worry if other plugins will have the same URL as our plugin:  
<https://www.yourwebsite/index.php/expenses>

13. Easy set up. You can edit every table from the plugin admin setting page.



14. In your web server's php.ini, you need to enable these extensions and restart your web server (apache, IIS, Nginx, etc.): curl, fileinfo, zip, mysqli, gd2, openssl, mbstring, exif. Then restart your web server computer.

15. To use this plugin's webpage, you must log in from the WordPress login page.



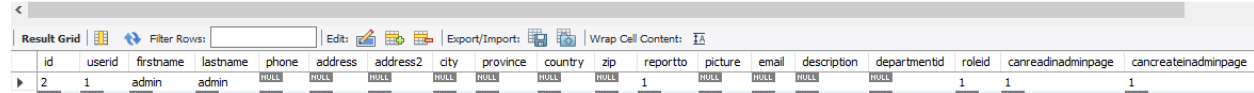
16. To prevent hackers, use https for your website. Do not use http for your website because hackers can get your website activity information. Plus, remove the username "admin" because it can be easily hacked by hackers. Use a difficult to guess username and password to log in your WordPress admin page. For example, username is b7v1P3T5y9W4C8Q2xk31u0, password is Z3u1T\$9e5N2w3!L8S6X7!a9P0q7V3. Save username and password separately to different email address. You can also take two pictures of the username and password separately and save to your computer and cellphone. Here is an example about how to create a new administrator user. <https://www.inmotionhosting.com/support/edu/wordpress/change-wordpress-admin-username-for-security/>

17. For this plugin's programmers: if possible, cookies should be set as HTTPOnly and samesite=strict. This can prevent CSRF attack. Each form has its own different WordPress nonce. Backend will validate if the nonce is correct. This can prevent hacks.

18. Only users in the table wp\_expenseszyx987\_users can access the admin setting page. After install and activate this plugin, if there is no admin user in the

wp\_expenseszyx987\_users table, you will be added automatically to the wp\_expenseszyx987\_users table. If a user is not in the table, ask the website admin to add this user into the table. Here is an example for admin:

1 • `SELECT * FROM wordpressordernew.wp_expenseszyx987_users;`



id	userid	firstname	lastname	phone	address	address2	city	province	country	zip	reportto	picture	email	description	departmentid	roleid	canreadinadminpage	cancreateinadminpage
2	1	admin	admin	NULL	NULL	NULL	NULL	NULL	NULL	NULL	1	NULL	NULL	NULL	NULL	1	1	1

Userid is the ID in the WordPress table wp\_users.

19. **You need to check the constant table, double check all the names and values if they are correct.**

AMOUNT\_PER\_PAGE

COMPANY\_NAME

COMPANY\_ADDRESS

USE\_BOOTSTRAP\_JS

USE\_BOOTSTRAP\_CSS

20. This plugin has the option to automatically backup this MySQL database. Backup files are saved in the folder you specified. In WordPress 5.4, the automatic backup works. But in WordPress 5.8, sometimes it does not work. If that's the case, try to use the one time backup button to back up the database whenever you need to backup. See the image below for the auto back up:

This is the one time backup:

### 3. One time immediate backup MySQL database

Currently the auto backup is **NOT enabled**.

It only backups tables, not views and stored procedures. Sometimes, the automatically backup does not work. Then you can click this button to one time immediately backup database which was entered in section 3 "Enable automatically backup MySQL database". You must go to section 3 to enter and save data first for this feature.

[Backup database now](#)

21. One type category can have many expense types. An expense can have one expense type. For example, type category can be "Management", "Technology", "Other". Types for "IT and Network Expenses" could be "Technology".

**22. You must double check every table in the database to make sure all the data in the tables are correct. It's your responsibility.**

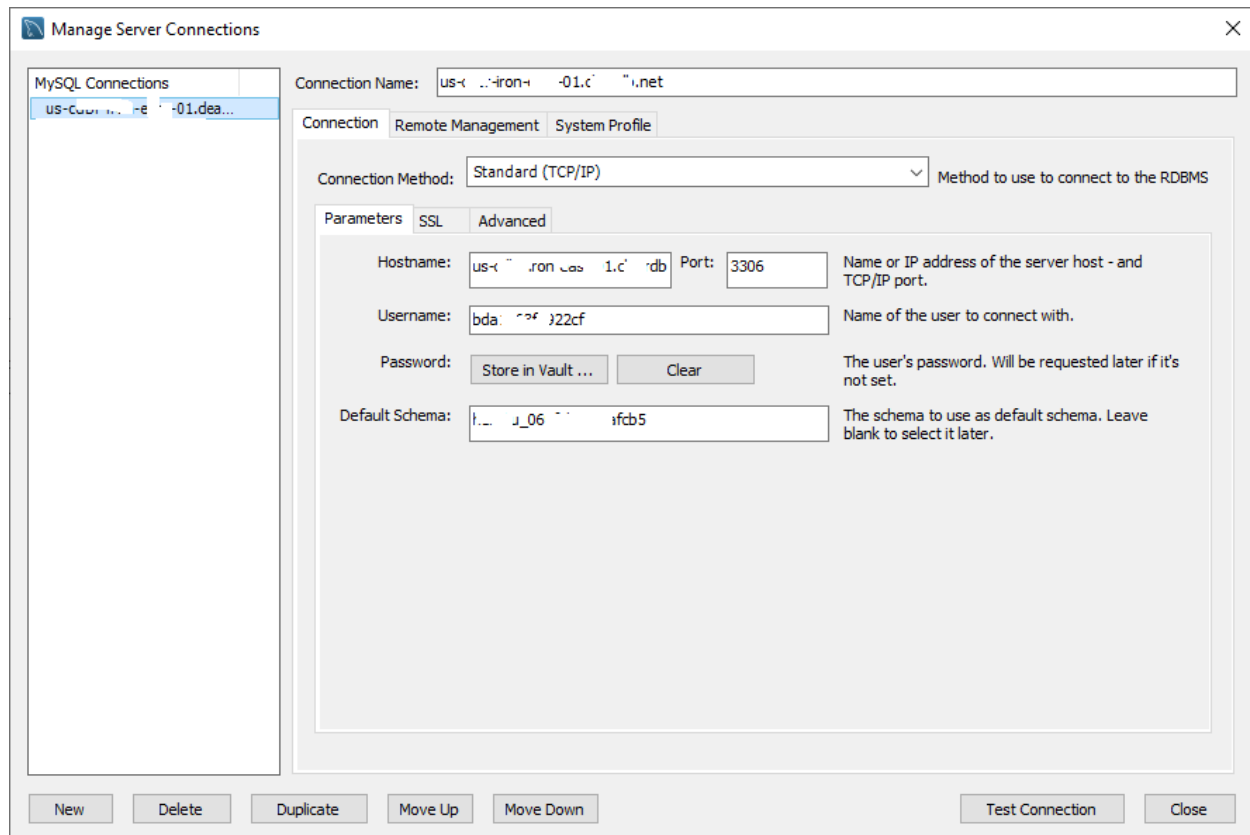
**23. After plugin activation, go to the "Settings" menu to find the plugin admin page. By default, when you activate this plugin, it will automatically create an expense landing page for you. For some themes, if it does not automatically create an expense landing page for you, add this plugin root folder template-expenses.php file to your template folder. For example, if you are using theme twentytwenty, then add the template-expenses.php file to this folder: wordpress\wp-content\themes\twentytwenty\templates. Then you can create a new page (not a new post) using this template.**

**When you use the template method to create a new expense page, do not set the page title to "expenses". If you set the page title to "expenses", it could conflict with the page automatically created when you activate this plugin.**

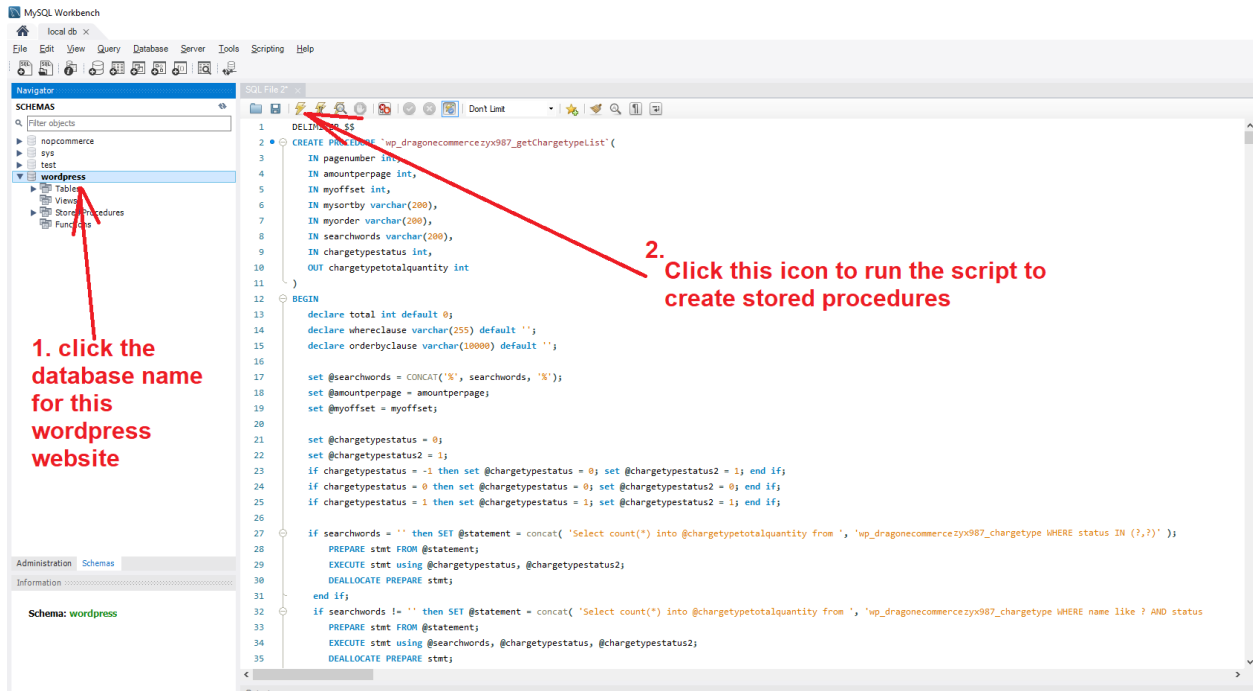
After install and activate this plugin, check database if you have 12 stored procedures. If not, deactivate this plugin and activate it again. If it does not work, you can go to admin setting page, click “Re-create stored procedures” tab, and click “drop all the stored procedures” button. It will re-create those stored procedures for you.

If it still does not work, you need to remove current stored procedures and run a **sql file**: create\_stored\_procedures.sql. It's used to create stored procedures. It's located at the plugin root folder. You need to run it in a MySQL database software such as MySQL Workbench, phpMyAdmin, or other software that you can run SQL script to change database. Here is an example to use MySQL Workbench to run this sql file:

1. Download MySQL Workbench from its official website. Google “mysql workbench download” and find its official website to download. Then run it on your computer.
2. Open the MySQL Workbench you just installed. Then click “+” to add a new connection. Enter database hostname, port, username, and password. Then click “test connection”. If it works, you can connect with the database. See the image below.



3. Connect with the database. Click the database name on the left menu. Then click top left icon "+" to add a new SQL tab for executing queries. Copy all the script in the create\_stored\_procedures.sql and paste it into the tab. Click execute icon on the top to run the script. If it works, it will create many stored procedures in the database for you. Check every stored procedure to see if it looks okay. See the image below.



Then, you need to go to WordPress admin page, settings, Expenses, tab Tables 3, 9 Constant. Double check if this constant table is empty. If this table is empty, you need to go to WordPress admin page, “re-create tables” tab, click “Drop constant table” to re-create this table. If you go to the MySQL database, the table name in the database is wp\_expenseszyx987\_constant.

**ATTENTION:** Files in this folder and subfolders can be seen by everyone. Please remove any confidential files from this folder:

wordpress\wp-content\plugins\expenses\files

### Basic configurations and steps:

1. In your web server's **php.ini** file, you need to uncomment or update these lines:  
extension=curl



extension=fileinfo  
extension=gd  
extension=mbstring  
extension=exif  
extension=mysqli  
extension=openssl  
extension=zip  
extension=gd2

**2. If you are the plugin installer, you have the administrator role, and the wp\_expenseszyx987\_users table does not have an admin user yet, then this plugin will add you to the wp\_expenseszyx987\_users table automatically when you activate this plugin.**

3. Go to WordPress admin page. In your **constant table**, you need to set each item's value. Some values are already automatically set for you. You need to double check if these values are correct.

### **COMPANY\_NAME**

This is your company name. It will show up on the footer area of the landing page.

### **COMPANY\_ADDRESS**

This is your company address. It will show up on the footer area of the landing page.

### **AMOUNT\_PER\_PAGE**

The above one is to set the amount of expense for each page on the web page. Default is 10. You can change it if you want.

### **USE\_BOOTSTRAP\_JS**

The above one is to set if you want to use Bootstrap's formatting javascript files. "yes" means you want to use. "no" means you do not want to use. Default value is "yes". You can find Bootstrap info from this URL: <https://getbootstrap.com/>.

### **USE\_BOOTSTRAP\_CSS**

The above one is to set if you want to use Bootstrap's formatting css files. "yes" means you want to use. "no" means you do not want to use. Default value is "yes". You can find Bootstrap info from this URL: <https://getbootstrap.com/>.

### **DBBACKUP\_LOCALTIME**

If you want to back up your database, you need to setup this value. If you do not want to back up your database, just leave it blank. The above one is to set the database backup first time's local time. Before you go to WordPress admin page's "ACTION" tab to enable automatically backup MySQL database, you need to set up this value. The default value is "04:00:00".

### **DBBACKUP\_DETAILS**

If you want to back up your database, you need to setup this value. If you do not want to back up your database, just leave it blank. The above one is to set up the database backup command. When you go to WordPress admin page's "ACTION" tab to enable automatically backup MySQL database, you need to enter database host name, username, password, mysql dump path, database backup file save location, backup frequency, first time backup local date time. After you click the enable button, the values will be saved to here in the database.

### **DBBACKUP\_FREQUENCY**

If you want to back up your database, you need to setup this value. If you do not want to back up your database, just leave it blank. The above one is to set up the database backup frequency. When you go to WordPress admin page's "ACTION" tab to enable automatically backup MySQL database, you need to enter database host name, username, password, mysql dump path, database backup file save location, backup frequency, first time backup local date time. After you click the enable button, the backup frequency will be saved to here in the database.

4. Create type categories.

ecommerce order 8 0 + New

Dashboard

Posts

Media

Pages

Comments

Appearance

Plugins 1

Users

Tools

Settings

## 2. Type Category:

### 2.1 Create a new type category

Type Category Name \*:  e.g. Entertainment

Description:

Create Type Category

## 5. Create types:

Choose the type category from the drop down list, and then enter name, and description.

ecommerce order 8 0 + New Howdy, admin\_order

Dashboard

Posts

Media

Pages

Comments

Appearance

Plugins 1

Users

Tools

Settings

General

Writing

Reading

Discussion

Media

Permalinks

Privacy

Backup Databases

Dragon Ecommerce

Expenses

Office Visits Logbook

Collapse menu

## 3. Type:

### 3.1 Create a new type

Type category \*: Please choose one... **choose a type category first**

Type Name \*:

Description:

Create Type

### 3.2 Type list

Search Name:

Search Type Status: Please choose one...

Search Reset

Items per Page: Please choose one... Sort By: Please choose one...

Total types: 23

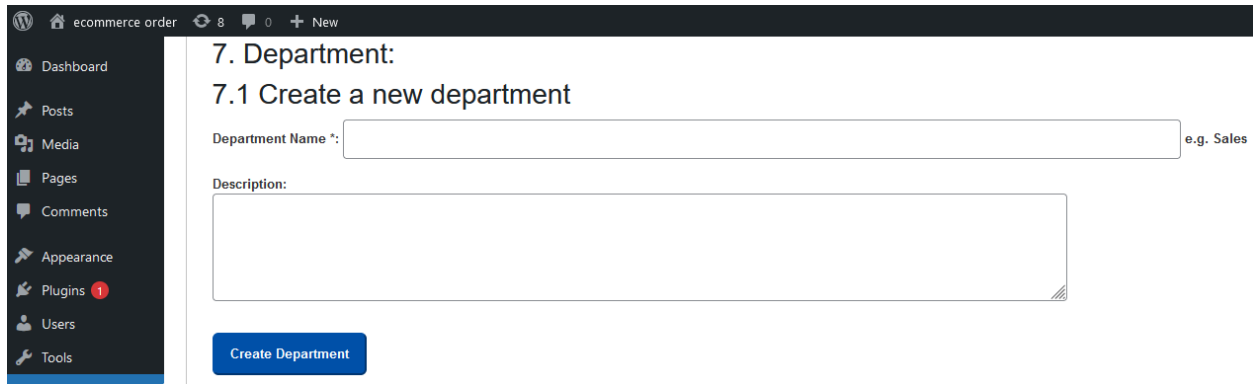
« 1 2 3 »

	ID	Name	Description	Type Category Name	Created Date(UTC)	Status
<a href="#">Edit</a>	1	Company Management	Company Management	Management	2023-04-24 16:23:00	ACTIVE
<a href="#">Edit</a>	2	Depreciation Expense	Depreciation Expense	Management	2023-04-24 16:23:00	ACTIVE
<a href="#">Edit</a>	3	Salaries and Wages	Salaries and Wages	Management	2023-04-24 16:23:00	ACTIVE
<a href="#">Edit</a>	4	Marketing and Sales	Marketing and Sales	Technology	2023-04-24 16:23:00	ACTIVE

## 6. Role:

You do not need to create any new roles.

## 7. Create departments:



The screenshot shows the WordPress dashboard for an 'ecommerce order' plugin. The left sidebar contains links to Dashboard, Posts, Media, Pages, Comments, Appearance, Plugins (with a red notification badge), Users, and Tools. The main content area is titled '7. Department: 7.1 Create a new department'. It features a form with a 'Department Name \*' field (placeholder: 'e.g. Sales') and a 'Description' text area. A blue 'Create Department' button is located at the bottom of the form.

## 8. Create new users:

This step is very important. You need to add the employees who have WordPress user names into this table `wp_expenseszyx987_users`.

If the employee is not in this `wp_expenseszyx987_users` table, the employee cannot access this plugin's webpage. And this employee cannot see the admin setting page.

When creating a new user, you need to enter that user's WordPress user ID, which can be found in the `wp_users` table. You also need to enter the user's first name, last name, and `createtimeutc` (e.g. '2022-01-01'). You also need to set `canreadinadminpage`, `cancreateinadminpage`, `caneditinadminpage`, `canactivateinadminpage`, `candeactivateinadminpage` to 1. You can also set `reportto` to the user's supervisor's ID in the `wp_users` table. Then add this record to `wp_expenseszyx987_users` table. **`canreadinadminpage`, `cancreateinadminpage`, `caneditinadminpage` are used to control each user's ability to read, create new record, and edit records in the admin setting page for this plugin. Be careful about setting these values for each user.** Go to tab Tables 2, 8 User to create a new user. See the image below for the create user page:

## 8. User:

### 8.1 Create a new user

First name *:	<input type="text"/>	e.g. John
Last name *:	<input type="text"/>	e.g. Jackson
WordPress user ID *:	<input type="text" value="Please choose one..."/>	
Report to WordPress user ID *:	<input type="text" value="Please choose one..."/>	
User can read data in admin page (default is NO):	<input type="text" value="Please choose one..."/>	
User can create data in admin page (default is NO):	<input type="text" value="Please choose one..."/>	
User can edit data in admin page (default is NO):	<input type="text" value="Please choose one..."/>	
User can activate data in admin page (default is NO):	<input type="text" value="Please choose one..."/>	
User can deactivate data in admin page (default is NO):	<input type="text" value="Please choose one..."/>	
Role :	<input type="text" value="Please choose one..."/>	
Department :	<input type="text" value="Please choose one..."/>	
Status (default is active):	<input type="text" value="Please choose one..."/>	
Email :	<input type="text"/>	e.g. abc@gmail.com
Phone :	<input type="text"/>	e.g. 123-456-7890
Address :	<input type="text"/>	e.g. 123 main road
Address 2 :	<input type="text"/>	e.g. suite 201
City :	<input type="text"/>	e.g. London
Province/State :	<input type="text"/>	e.g. Iowa
Country :	<input type="text"/>	e.g. Canada

Here is an example for this wp\_expenseszyx987\_users table list:

## 8.2 User list

Search User ID:

Search User Full Name:

Search User Email:

Report to user ID:

User can read data in admin page:

User can create data in admin page:

User can edit data in admin page:

User can activate data in admin page:

User can deactivate data in admin page:

Role:

Department:

Search User Status:

This is not WordPress' wp\_users table. This table name is wp\_expenseszyx987\_users. All the users in this table can access the plugin's landing page. But only users with WordPress administrator role can access the dashboard settings page for this Office Expenses Logbook plugin.

Items per Page:  Sort By:

Total users: 1

« 1 »

	ID	First name	Last name	User ID	can read in adminpage	can create in adminpage	can edit in adminpage	can activate in adminpage	can deactivate in adminpage	Report to user ID	Role	Department	Status	Email	Phone	Address	Address2	City	Province	Country	ZIP
<input type="button" value="Edit"/>	2	admin	admin	1	YES	YES	YES	YES	YES	1	admin		ACTIVE								

## 9. Enable automatically back up database:

For many reasons, you need to back up your database from time to time. This can be done in the admin setting page. The auto back up works for WordPress 5.4. But sometimes it does not work for WordPress 5.8. If it's the case, just click the "back up database now" button to do one time back up. Here is the enable auto back up database screenshot:

Here is the screenshot for disable auto back up and one time back up database:

#### 2. Disable automatically backup MySQL database

Currently the auto backup is **NOT enabled**.

**DISABLE automatically backup database**

#### 3. One time immediate backup MySQL database

Currently the auto backup is **NOT enabled**.

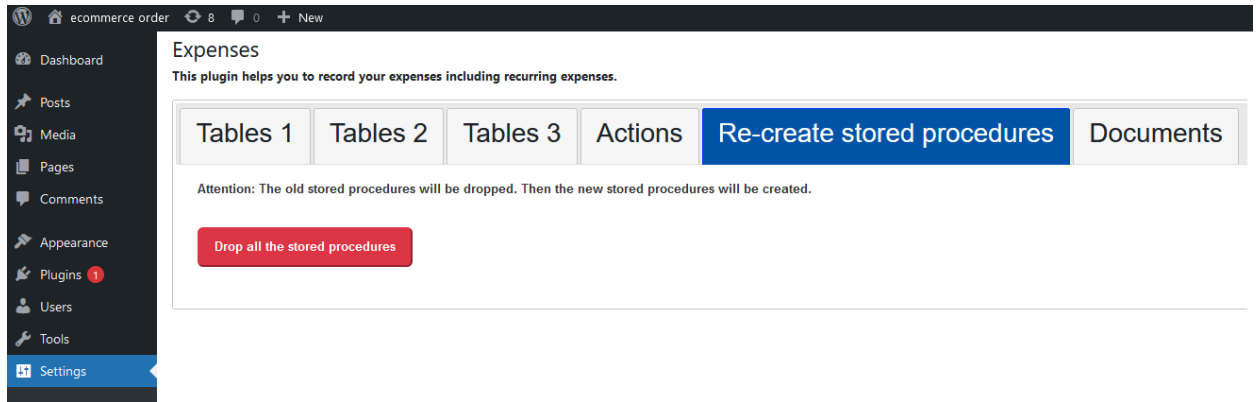
It only backups tables, not views and stored procedures. Sometimes, the automatically backup does not work. Then you can click this button to one time immediately backup database which was entered in section 3 "Enable automatically backup MySQL database". You must go to section 3 to enter and save data first for this feature.

**Backup database now**

The one time back up database uses the data you entered in "Enable automatically backup MySQL database". So you must enter in that section first to use the one time back up feature.

#### 10. Re-create stored procedures:

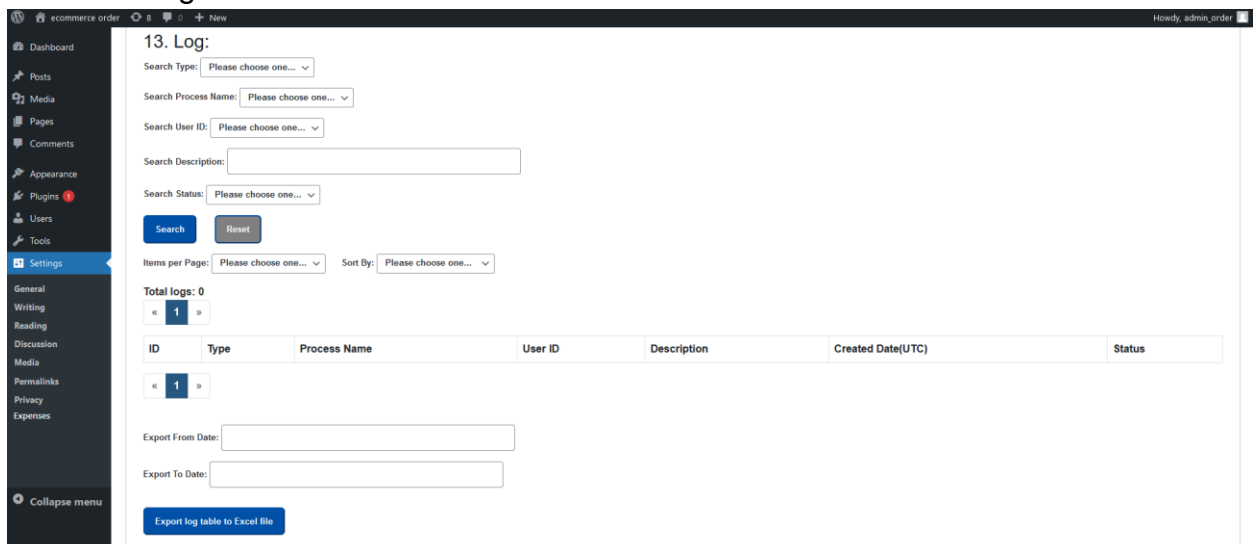
When you have some issues with stored procedures, you can drop them and create them again. See the image below:



## 11. Log table:

You can track big issues from the log table. You can search it, drop the table and create a new one when the log table is too big. It's in tab Tables 3, Log table.

See the image blow:



To drop and create a new log table, you need to use MySQL Workbench or other software to access the database and manually drop and create a new log table.

## Install instructions:

1. Unzip the file. Copy the folder into your /wp-content/plugins/ folder.



2. Log in to your WordPress admin page.

<http://yourwebsite.com/wp-login.php>

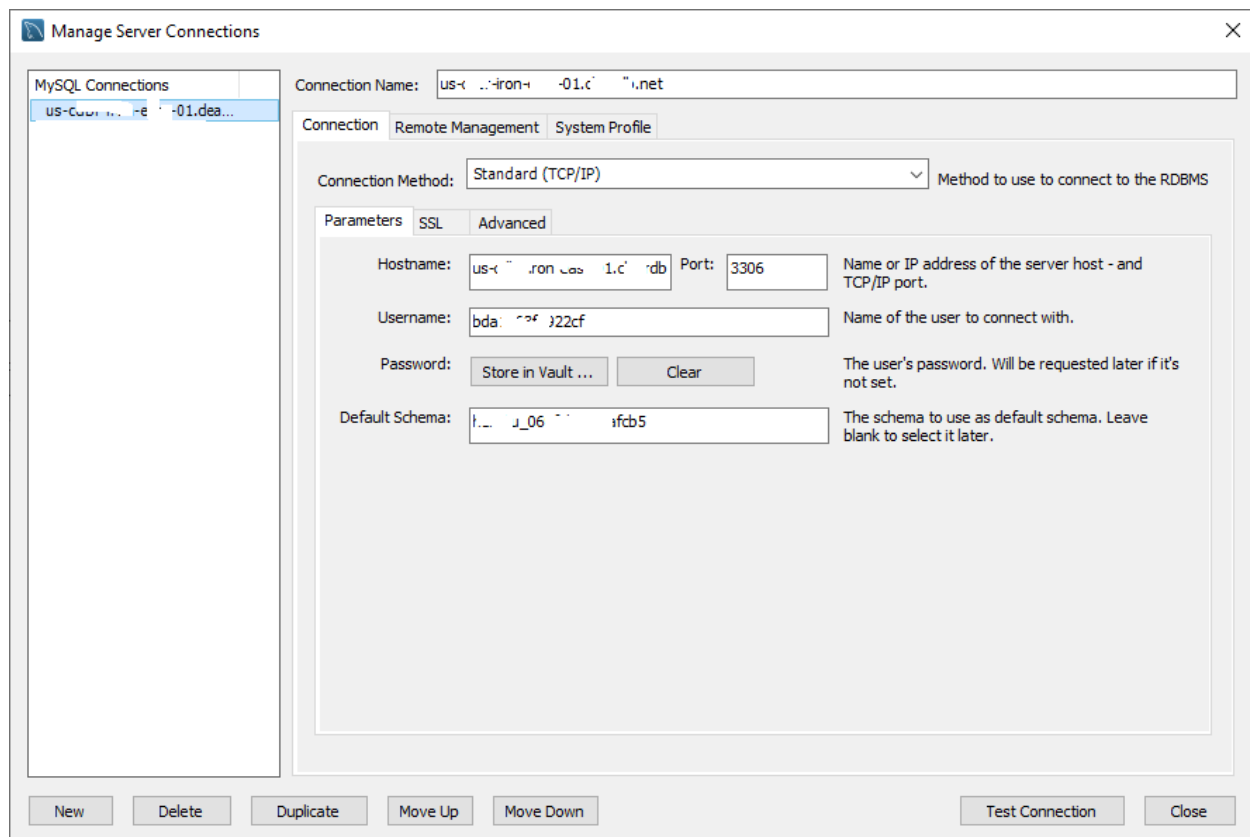
Click “Plugins” and click “Activate” to activate this plugin.

Hover on left menu’s “Settings” and you will find “Expenses” in the sub-menu. Click it and you will see the admin page for Expenses.

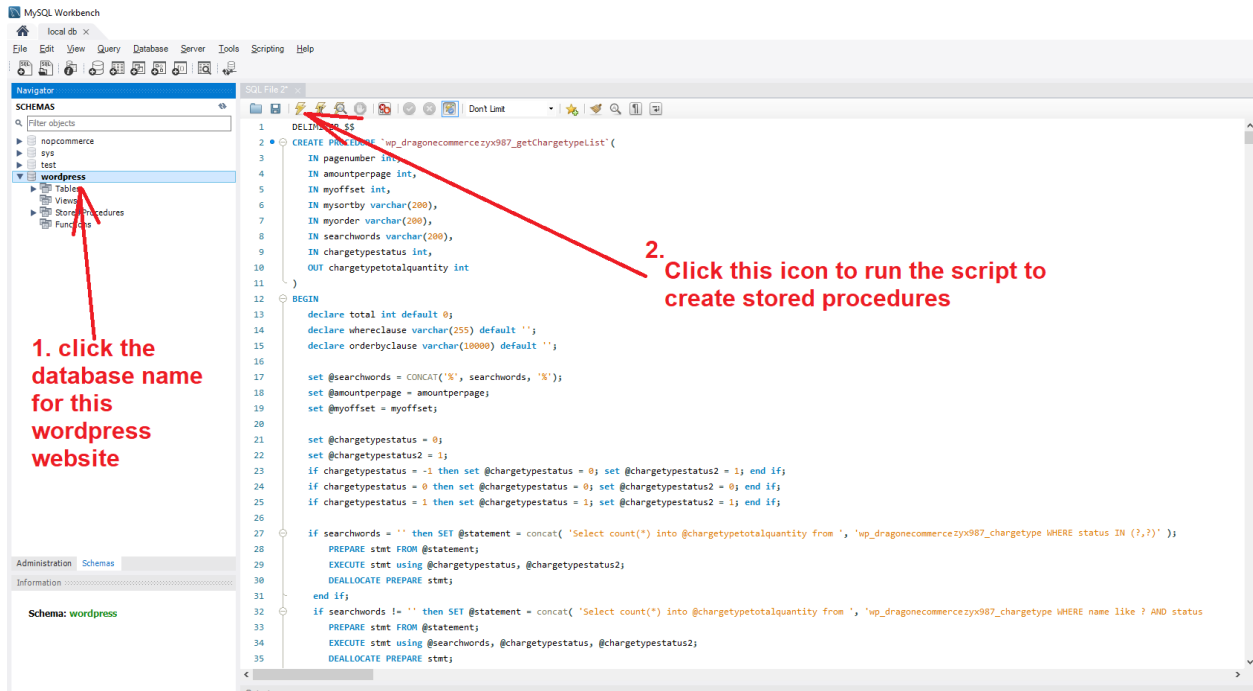
3. **After install and activate this plugin, check database if you have 12 stored procedures. If not, deactivate this plugin and activate it again. If it still does not work, you need to remove current stored procedures and run a sql file:**

create\_stored\_procedures.sql. It’s used to create stored procedures. It’s located at the plugin root folder. You need to run it in a MySQL database software such as MySQL Workbench, phpMyAdmin, or other software that you can run SQL script to change database. Here is an example to use MySQL Workbench to run this sql file:

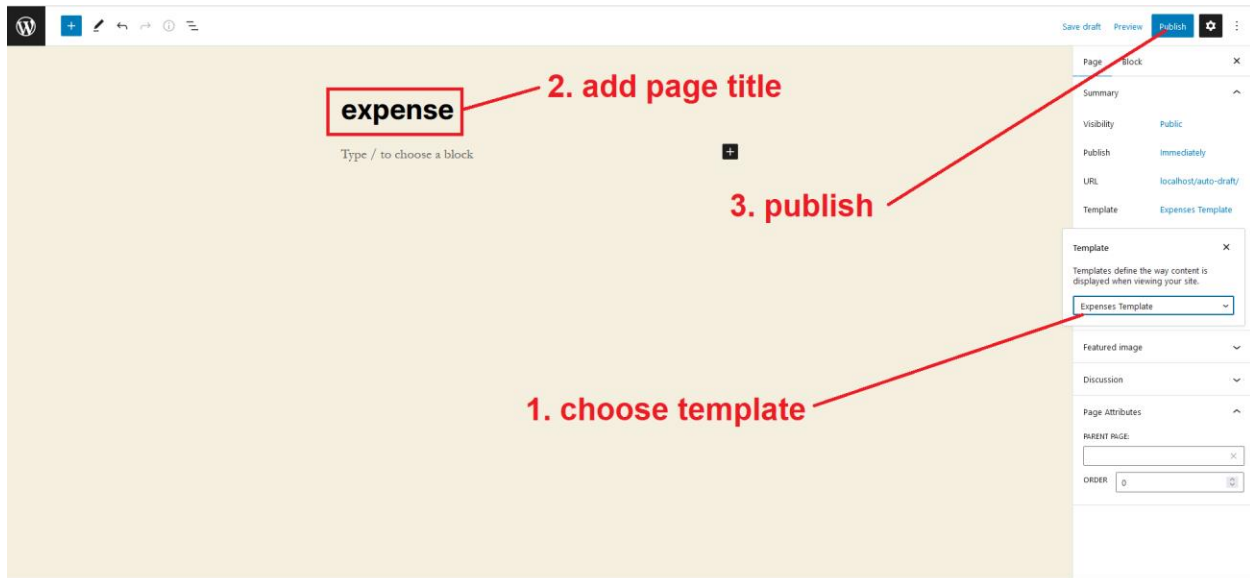
- 3.1. Download MySQL Workbench from its official website. Google “mysql workbench download” and find its official website to download. Then run it on your computer.
- 3.2. Open the MySQL Workbench you just installed. Then click “+” to add a new connection. Enter database hostname, port, username, and password. Then click “test connection”. If it works, you can connect with the database. See the image below.



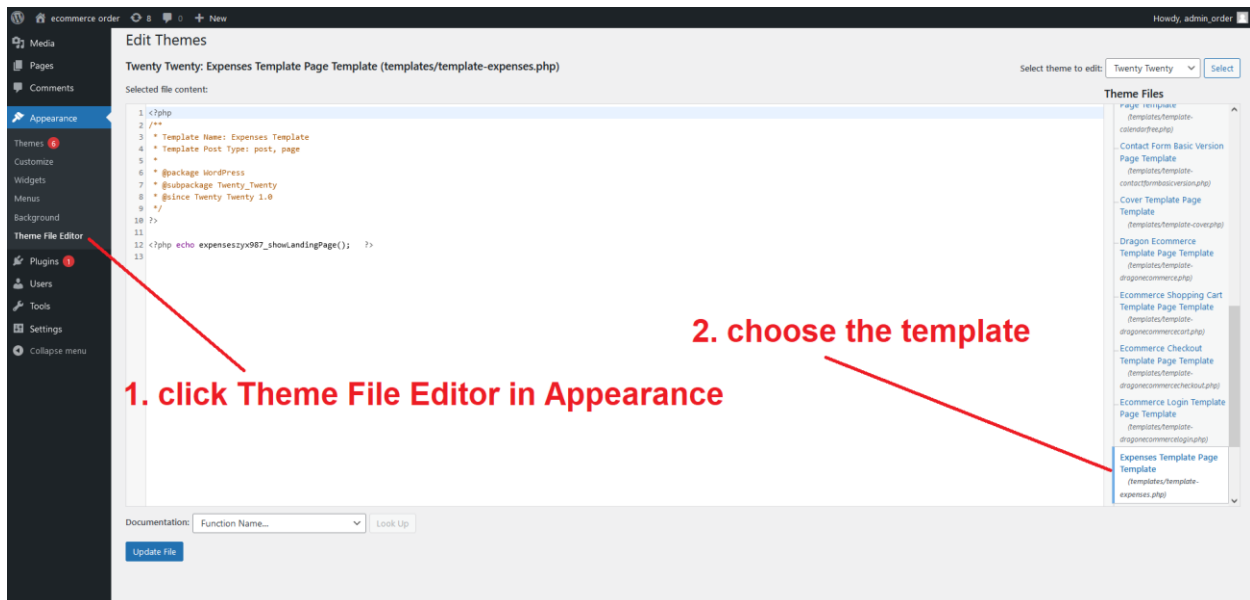
- 3.3. Connect with the database. Click the database name on the left menu. Then click top left icon “+” to add a new SQL tab for executing queries. Copy all the script in the create\_stored\_procedures.sql and paste it into the tab. Click execute icon on the top to run the script. If it works, it will create many stored procedures in the database for you. Check every stored procedure to see if it looks okay. See the image below.



4. Please follow the **Basic configurations** in page 15.
5. After plugin activation, go to the "Settings" menu to find the plugin admin page. By default, when you activate this plugin, it will automatically create an expense landing page for you. For some themes, if it does not automatically create an expense landing page for you, add this plugin root folder file template-expenses.php to your template folder. For example, if you are using theme twentytwenty, then add the template-expenses.php file to this folder: wordpress\wp-content\themes\twentytwenty\templates. Then you can create a new page (not a new post) using this template:



Then this expense landing page is created. You can edit the template file in the admin page:



**When you use the template method to create a new expense page, do not set the page title to "expenses". If you set the page title to "expenses", it could conflict with the page automatically created when you activate this plugin.**

6. Done. Now you can enter some data to test it.
7. You can custom set this plugin's style. Our custom css file is at:

/wordpress/wp-content/plugins/expenses/css/expenses.css

**demo website:**

<https://contactformbasicversion.herokuapp.com/index.php/expenses/>

**admin page:**

<https://contactformbasicversion.herokuapp.com/wp-admin/>

Log in WordPress admin page using

username:

admin

password:

l52BYA@#sk&J3Yl03g

Then, go to

<https://contactformbasicversion.herokuapp.com/wp-admin/options-general.php?page=Expenses>

to set up the admin page.

Then, you can test expense create/edit/delete:

**Documentation:**

[https:// contactformbasicversion.herokuapp.com/](https://contactformbasicversion.herokuapp.com/) log in as admin, then go to setting > Expenses, click tab “Documents”, “Manual pdf”.

[https://contactformbasicversion.herokuapp.com/wp-content/plugins/expenses / documentation\\_expenses.pdf](https://contactformbasicversion.herokuapp.com/wp-content/plugins/expenses/documentation_expenses.pdf)

## Platform and Database:

You can run it on any platform: Windows, Mac, Linux.

Database is MySQL. It's free.

PHP version: PHP 5 >= 5.5.0

**Attention: PHP version and WordPress version may have compatibility issues. For example, WordPress 5.4 may not match PHP 8. Check this website for details: <https://make.wordpress.org/core/handbook/references/php-compatibility-and-wordpress-versions/>**

1. PHP has support for the mysqli extension (to be used for prepared statement)
2. Must use HTTPS, not http. If website use HTTP, tell the website admin - cannot use this plugin.
3. Since PHP 5.4 there are constants which can be used by json\_encode() to format the json response how you want. To remove backslashes use: JSON\_UNESCAPED\_SLASHES. Like so: json\_encode(\$response, JSON\_UNESCAPED\_SLASHES);
4. Auto backup database weekly is for WordPress 5.4 and above. Sometimes it does not work for WordPress 5.8. Then you need to go to the admin setting page to click the "backup database now" button to do one time database backup.