WORDPRESS PLUGIN DEVELOPMENT

BUDDY

REFRESHING YOUR BUSINESS

What Is a Plugin?

WordPress plugins are apps that allow you to add new features and functionality to your WordPress website. Exactly the same way as apps do for your smartphone.

WordPress plugins allows you to create almost any kind of website with WordPress.

Allows developers to change the WordPress core without modifying any of its code.

Contains a combination of PHP, HTML, CSS, Bootstrap, and Javascript.

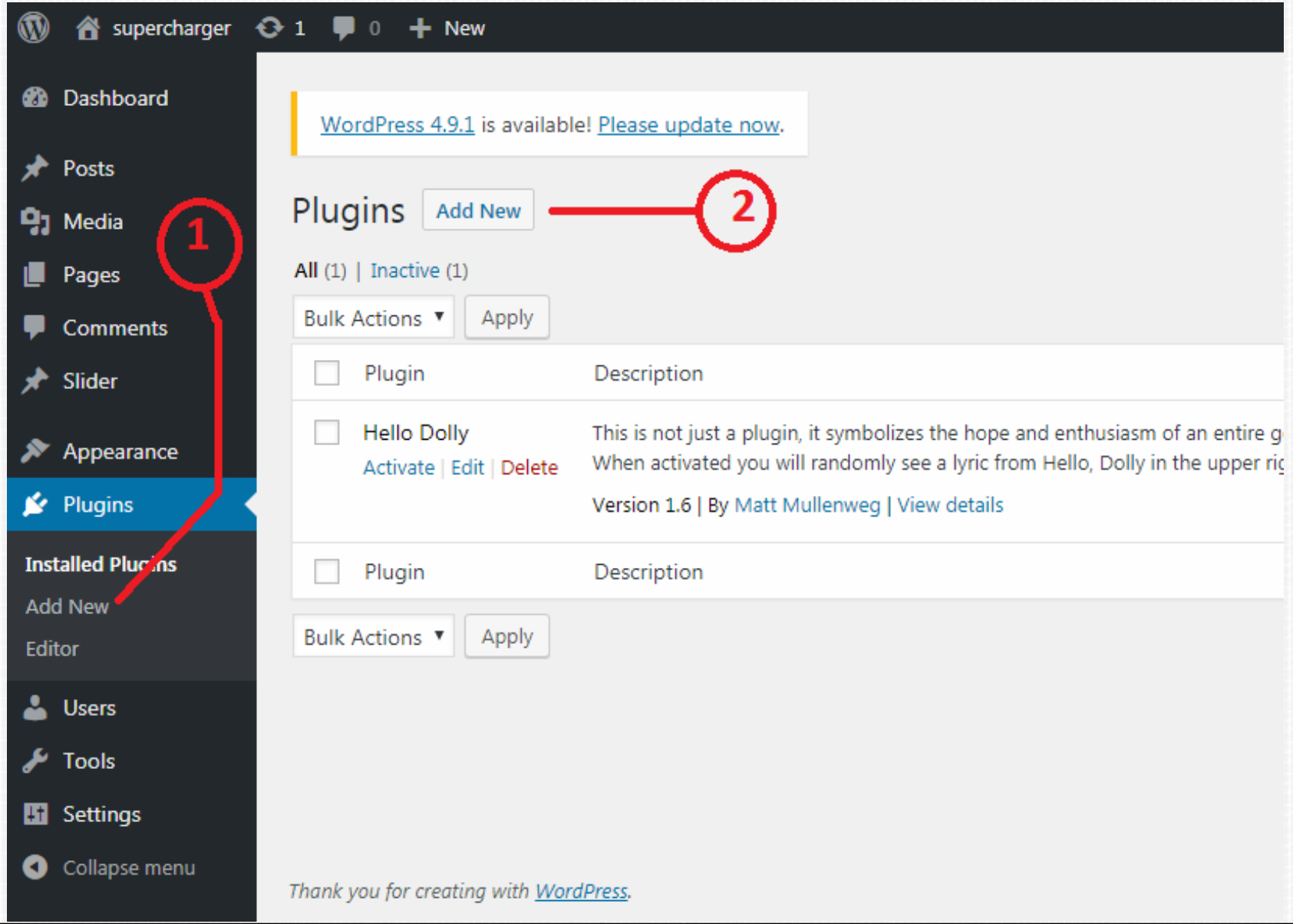
WHY DO WE USE/CREATE A PLUGIN?

- Extend existing functionality
- Save time
- Portability
- Make money

LIST OF POPULAR PLUGINS

- Contact Form 7 / Gravity form
- WooCommerce
- All in One SEO Pack
- WP Super Cache
- Google Analytics for WordPress by MonsterInsights
- Google XML Sitemaps
- Advanced Custom Fields
- Really Simple CAPTCHA
- MailChimp for WordPress

HOW TO INSTALL PLUGIN



CREATE CUSTOM PLUGIN

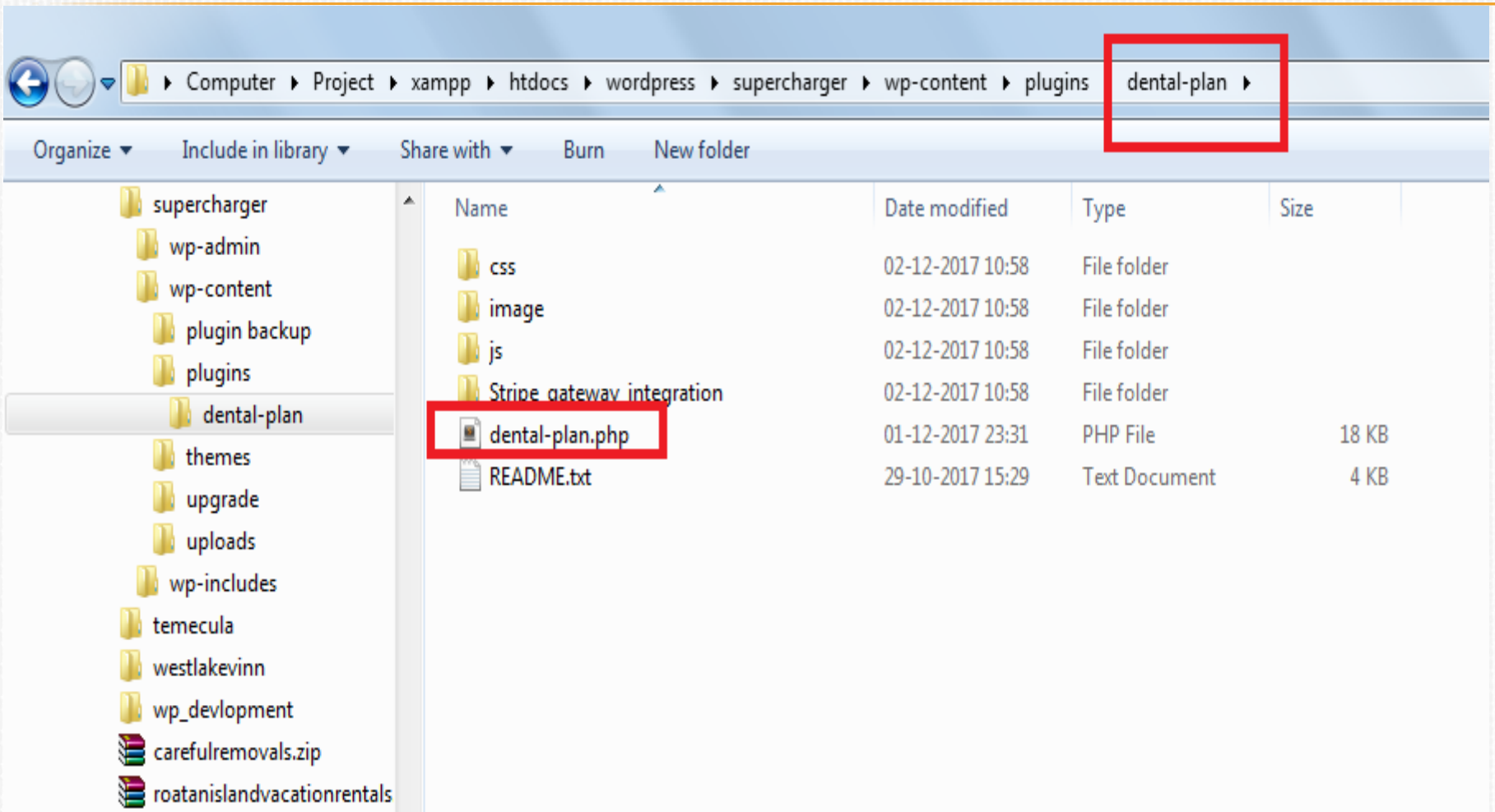
CREATE PLUGIN FILE

First, a folder that contains all the plugin files. The folder should be named the same as your plugin. For example, I named my plugin “dental-plan” so the folder name is “dental-plan”. This folder will contain all the files for your plugin.

Second, a PHP file that has the same name as your folder. In my case this was “dental-plan.php”. This file is all that is required to make the plugin function. In order for the plugin to function, you do not even have to put this file in a folder, but since most plugins are more than one file its best to just make the folder for good practice.

Third, you should have a “readme.txt” file. Please note that the readme.txt file is NOT required, but if you want to get your plugin on the official WordPress plugin repository then it is required. This file will contain all the useful information that the users will need to know about your plugin.

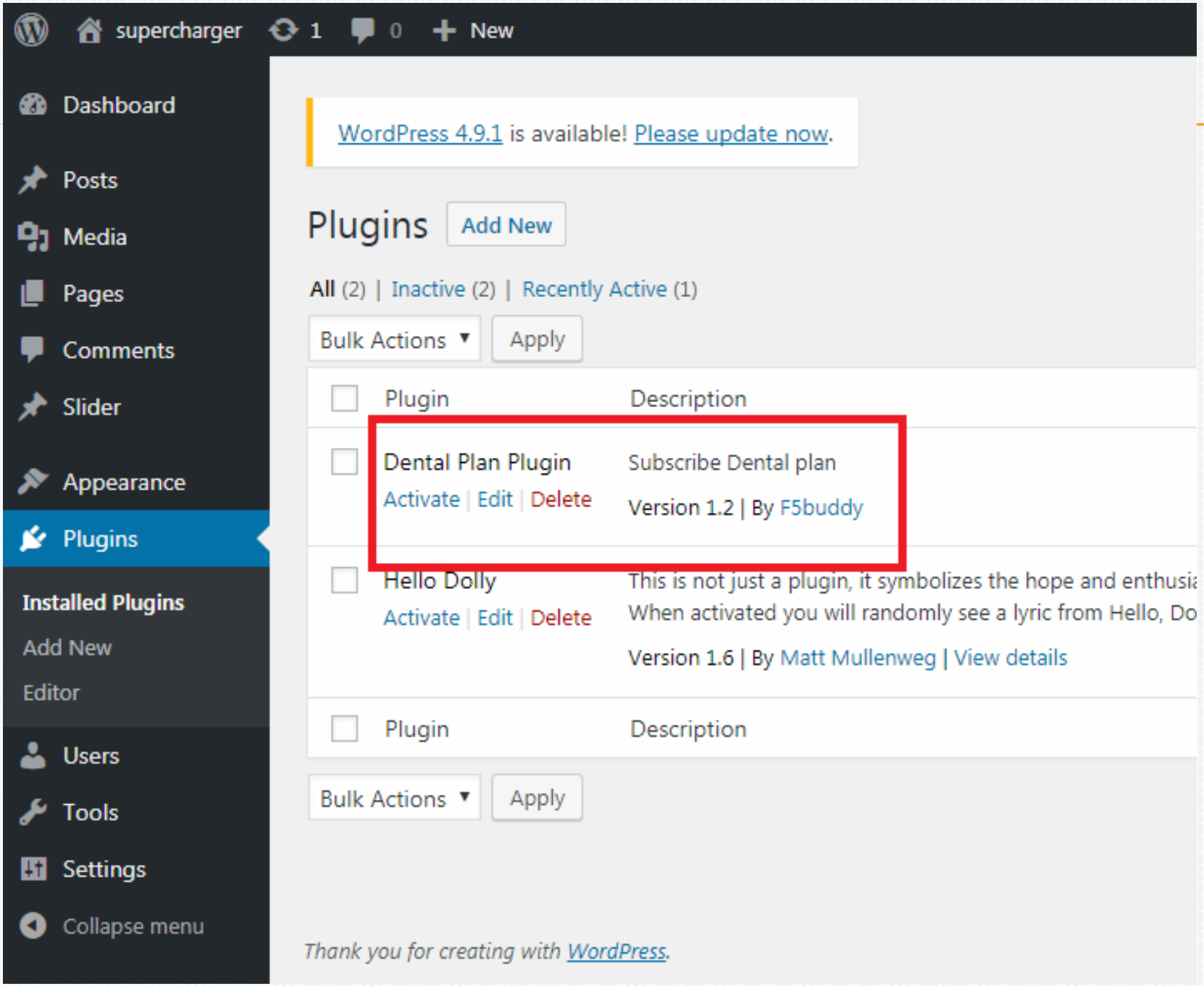
FOLDER STRUCTURE



FILE HEADER

On the top your PHP file put some information about your plugin. The first lines of your plug-in **must** be comment information for the parsing engine. This is extremely important as WordPress will be unable to process your file without.
Below is an example code snippet.

```
<?php
/*
Plugin Name: Dental Plan Plugin
Plugin URI: http://www.f5buddyproject/plugins
Description: Subscribe Dental plan
Version: 1.2
Author: F5buddy
Author URI: http://f5buddy.com
License: F-5
Copyright: F5buddy
*/
```


supercharger
1
0
New
Dashboard
Posts
Media
Pages
Comments
Slider
Appearance
Plugins
Installed Plugins
Add New
Editor
Users
Tools
Settings
Collapse menu
WordPress 4.9.1 is available! Please update now.
Plugins
Add New
All (2) | Inactive (2) | Recently Active (1)
Bulk Actions
Apply
Plugin
Description
Dental Plan Plugin
Activate | Edit | Delete
Subscribe Dental plan
Version 1.2 | By F5buddy
Hello Dolly
Activate | Edit | Delete
This is not just a plugin, it symbolizes the hope and enthusia
When activated you will randomly see a lyric from Hello, Do
Version 1.6 | By Matt Mullenweg | View details
Plugin
Description
Bulk Actions
Apply
Thank you for creating with WordPress.

HOOKS

1. **There are two types of hooks: action and filter hooks.**
   A. Action hooks tell WordPress to perform an action.
   B. Filter hooks tell WordPress to change some part of the content.
2. **Hooks are a necessary part of any plugin as they instruct WordPress to act on a certain feature or piece of content.**
3. **Themes can also include hooks in their functions.php file**.

MOST USED HOOKS

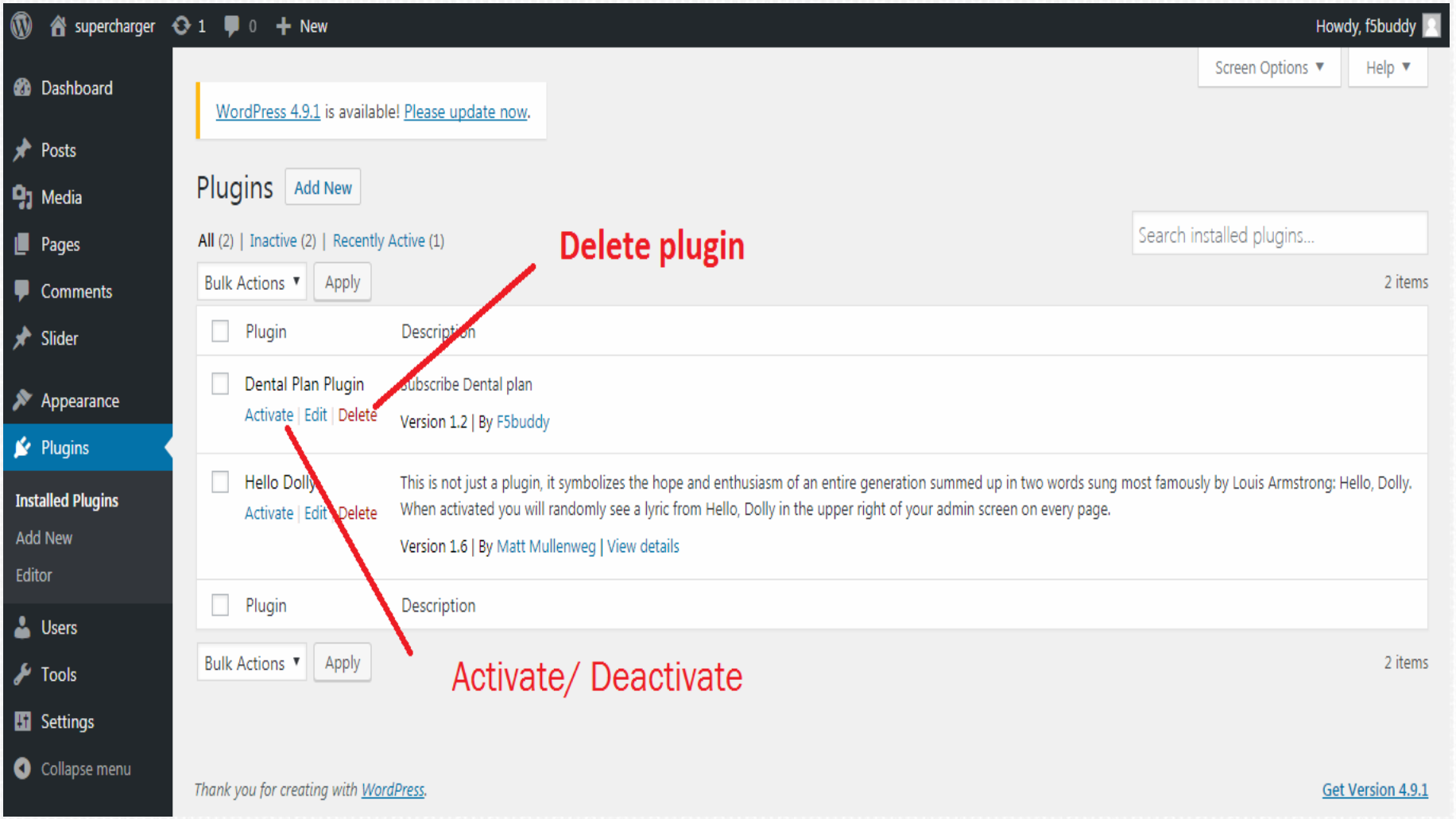
Action Hooks:

1. register_activation_hook
2. register_deactivation_hook
3. register_uninstall_hook
4. admin_menu
5. wp_enqueue_scripts
6. init
7. admin_init

Filter Hooks:

1. the_content
2. admin_footer_text
3. body_class
4. login_headertitle
5. wp_footer
6. the_modified_time

ACTIVATE/ DEACTIVATE/DELETE PLUGIN

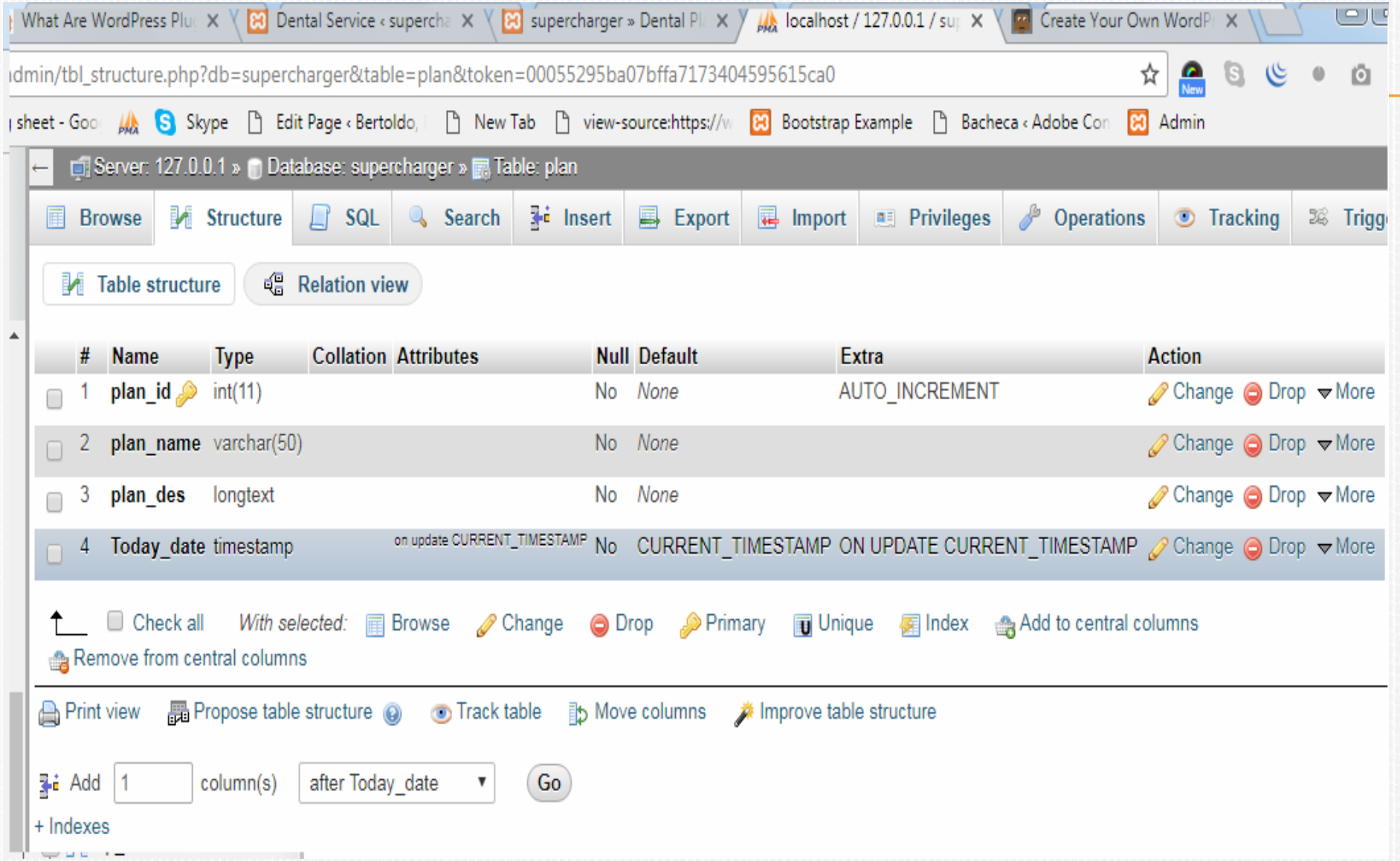


USE ACTIVATION HOOKS

```
register_activation_hook( __FILE__, 'prefix_create_table' );

    function prefix_create_table() {
        global $wpdb;
        $charset_collate = $wpdb->get_charset_collate();
        $sql = "CREATE TABLE `plan` (
            `plan_id` int(11) AUTO_INCREMENT PRIMARY KEY,
            `plan_name` varchar(50) NOT NULL,
            `plan_des` longtext NOT NULL,
            `today_date` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP
              ON UPDATE CURRENT_TIMESTAMP
        ) ";

        if ( ! function_exists('dbDelta') ) {
            require_once( ABSPATH . 'wp-admin/includes/upgrade.php' );
        }
        dbDelta( $sql );
}
```


What Are WordPress Plu
Dental Service ‹ supercha
supercharger » Dental Pl
localhost / 127.0.0.1 / su
Create Your Own WordP
dmin/tbl_structure.php?db=supercharger&table=plan&token=00055295ba07bffa7173404595615ca0
sheet - Goo
Skype
Edit Page ‹ Bertoldo,
New Tab
view-source:https://w
Bootstrap Example
Bacheca ‹ Adobe Con
Admin
Server: 127.0.0.1 » Database: supercharger » Table: plan
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Trigg
Table structure
Relation view
Name Type Collation Attributes Null Default Extra Action
1 plan_id int(11) No None AUTO_INCREMENT Change Drop More
2 plan_name varchar(50) No None Change Drop More
3 plan_des longtext No None Change Drop More
4 Today_date timestamp on update CURRENT_TIMESTAMP No CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP Change Drop More
Check all
With selected:
Browse
Change
Drop
Primary
Unique
Index
Add to central columns
Remove from central columns
Print view
Propose table structure
Track table
Move columns
Improve table structure
Add
1
column(s)
after Today_date
Go
+ Indexes

USE UNINSTALL HOOKS

```
register_uninstall_hook( __FILE__, 'plugin_uninstall' );
    function plugin_uninstall() {
        global $wpdb;
            $sql = "DROP TABLE IF EXISTS `plan`";
            $wpdb->query($sql);
}
```

ADD STYLE/SCRIPT

```
wp_register_style('bootstrap', plugins_url('css/bootstrap.css',__FILE__));
wp_enqueue_style('bootstrap');
```

1. **Enqueue Styles**
2. wp_register_style()
3. wp_deregister_style()
4. wp_enqueue_style()
5. wp_dequeue_style()
6. wp_add_inline_style()
7. wp_style_is()

1. **Enqueue Scripts**
2. wp_register_script()
3. wp_deregister_script()
4. wp_enqueue_script()
5. wp_dequeue_script()
6. wp_add_inline_script()
7. wp_enqueue_media()

ADMIN MENU

add_action('admin_menu', ' register_admin_custom_menu');

function **register_admin_custom_menu**() {

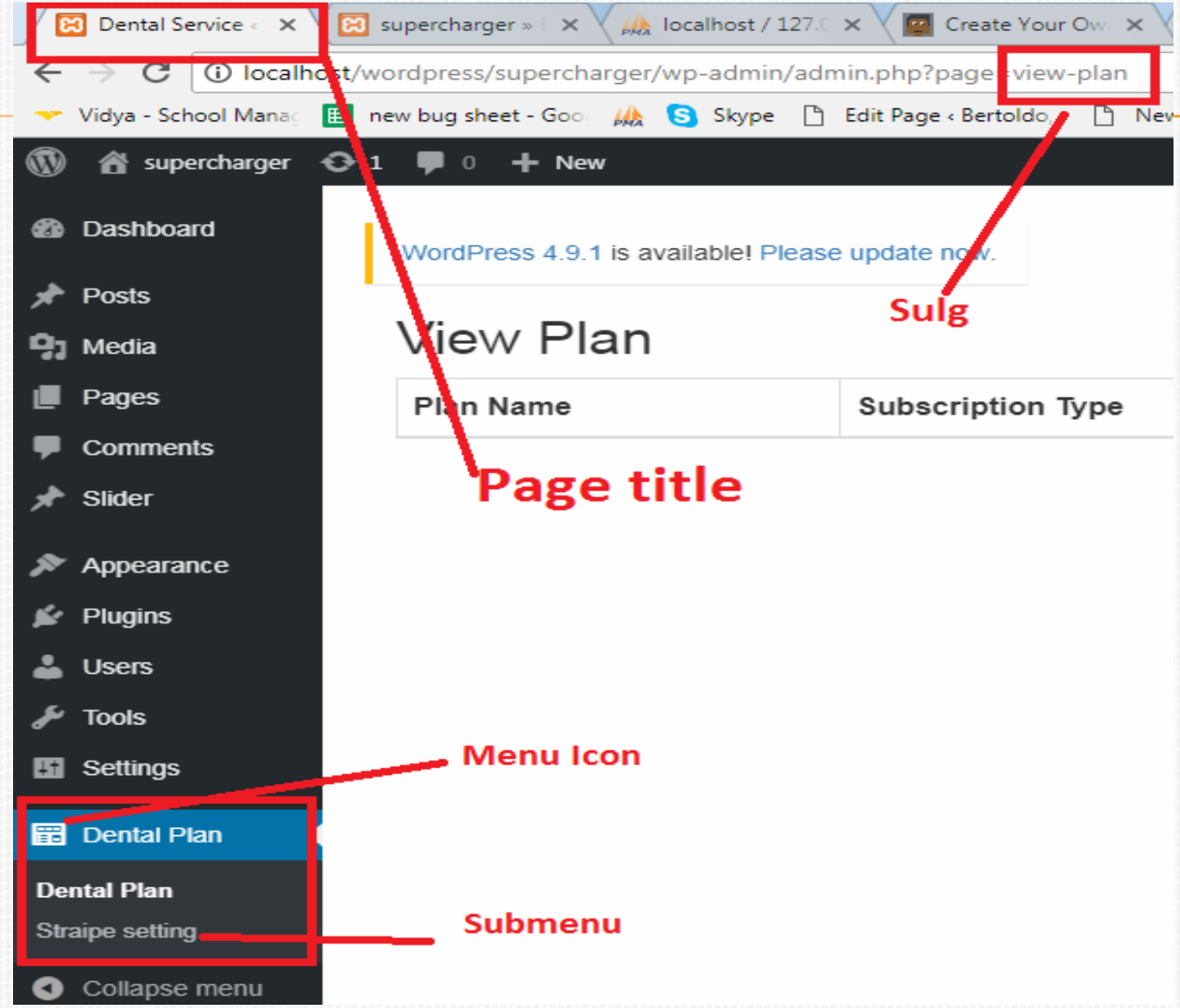
add_menu_page('Dental Service','Dental Plan', 'manage_options', 'view-plan', 'view_plan', 'dashicons-welcome-widgets-menus');

add_submenu_page('view-plan', 'Plan setting', 'Straipe setting', 'manage_options', 'plan-setting', 'setting_plan');

}

Parameter values

$page_title , $menu_title , $capability, $menu_slug , $function , $icon


Dental Service
supercharger
localhost / 127.
Create Your Ow
localhost/wordpress/supercharger/wp-admin/admin.php?page=view-plan
Vidya - School Mana
new bug sheet - Goo
Skype
Edit Page ‹ Bertoldo
New
supercharger
1
0
New
Dashboard
Posts
Media
Pages
Comments
Slider
Appearance
Plugins
Users
Tools
Settings
Dental Plan
Dental Plan
Straipe setting
Collapse menu
WordPress 4.9.1 is available! Please update now.
View Plan
Plan Name
Subscription Type
Sulg
Page title
Menu Icon
Submenu

CREATE SHORTCODE

WordPress offers a predefined shortcode function to create shortcode in WordPress plugin. For using shortcode function, we have to define a handler function that parse the shortcode and return some output.

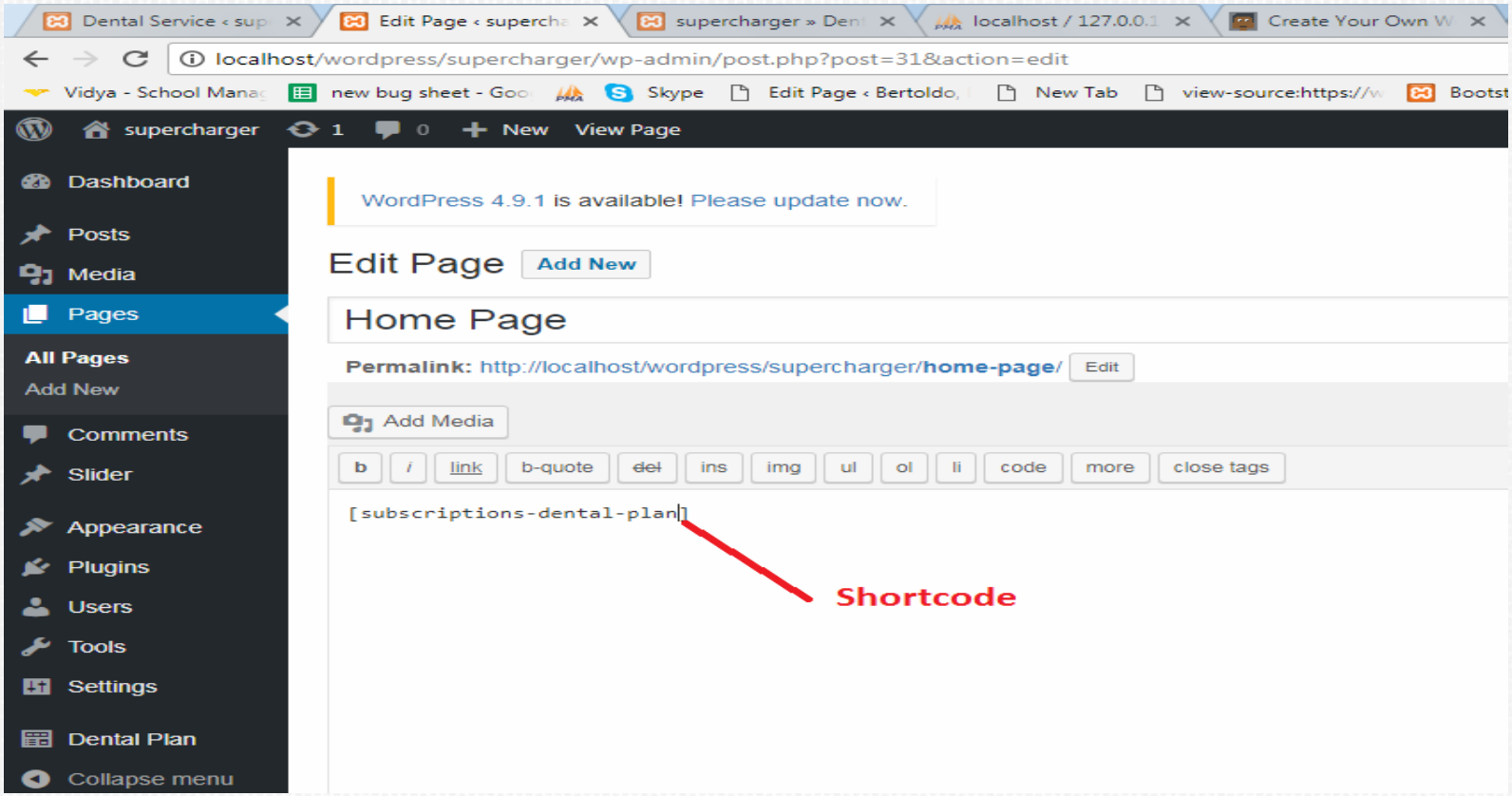
Then, we need to register a shortcode using add_shortcode() function.

add_shortcode($shortcode_name, $handler_function);

$shortcode_name – (required, string) It is a string that to be searched in the post.
$handler_function – (required, callable) It is a hook to run when shortcode is found.

```
function custom_select_plan() {
    include( plugin_dir_path( __FILE__ ) . plan-vive-page.php');
}
    add_shortcode( 'subscriptions-dental-plan', 'custom_select_plan' );
```

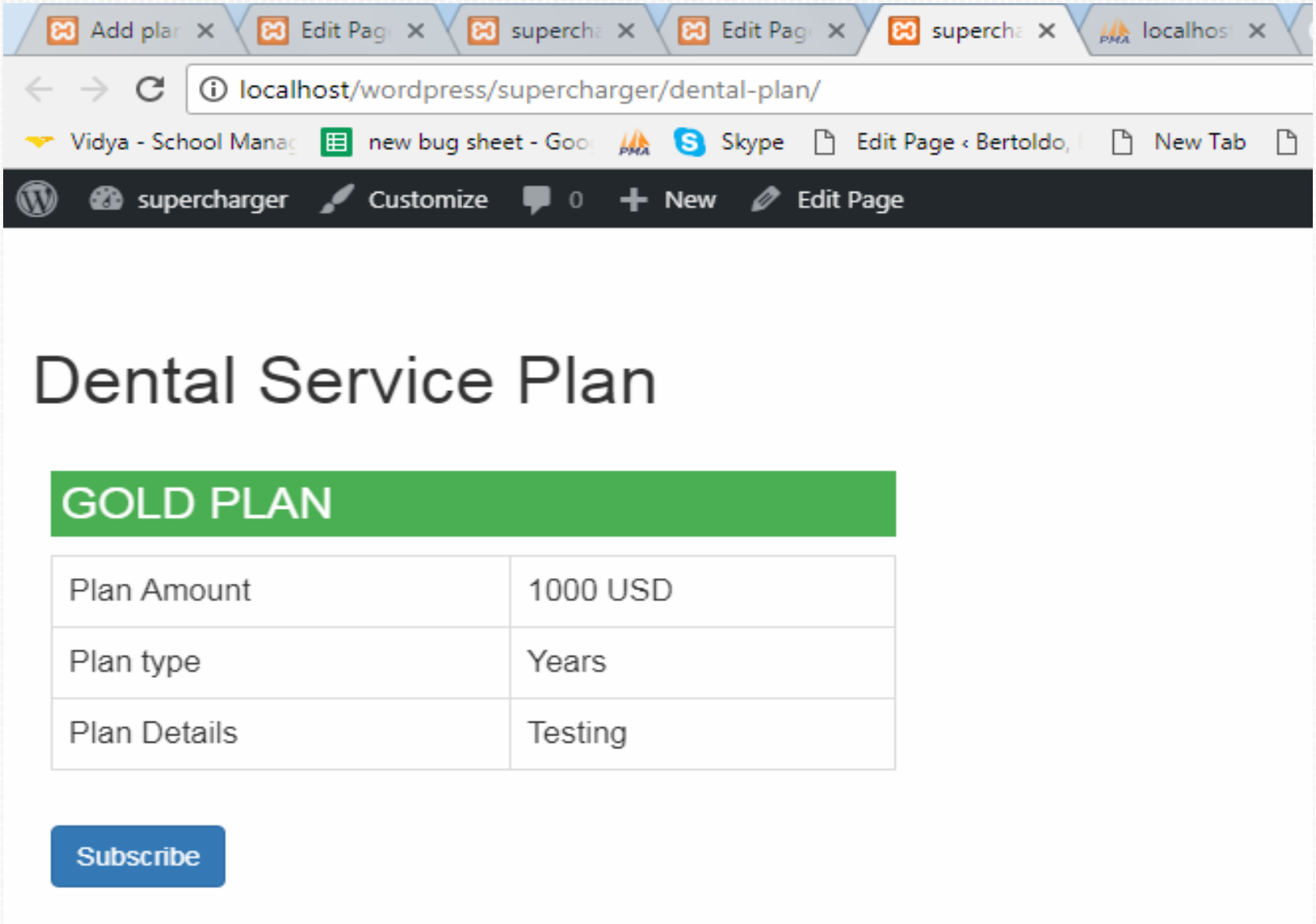
USE SHORTCODE



Use Shortcode in a Template

<?php echo do_shortcode('[subscriptions-dental-plan]'); ?>

FRONT END VIEW



CONTACT US AT:

www.f5buddy.com

contact@f5buddy.com

THANK YOU