LITTLE BRAIN

CodeIgniter and Ajax Using JQuery Tutorial

I created this tutorial because I was having a hard time finding good simple CodeIgniter + JQuery tutorial for newbie like me. The one I found, created by MR Forbes, is hard to understand and apparently isn't working. Another one, pr0digy's, is using Mootools for the AJAX framework.

So I decided to create my own CodeIgniter and JQuery tutorial based on pr0digy's tutorial. I'm assuming you already know how to code using CodeIgniter. If you're new to CodeIgniter, you need to find others tutorial first. The videos given in CodeIgniter's site is a good start.

This tutorial is about creating simple CodeIgniter + database + ajax system. User will be shown a form to post a message. Then after he/she press the submit button, the system will save the message using ajax and then show the message. You could see the result first if you want.

Database

The first thing we need to do is creating a table to save the message. For this tutorial, We will use this:

```
1  CREATE TABLE IF NOT EXISTS `messages` (
2    `id` tinyint(4) NOT NULL
3  AUTO_INCREMENT,
4    `message` VARCHAR(256) NOT NULL,
5    PRIMARY KEY (`id`)
   )
```

Controller

Then, we need to create a controller. My controller is named `message`. You could name your controller any name you like. After that, create 2 functions/methods, **view** and **add**.

view is used to get the default view and list of messages from the database.

The codes are:

```
1  function view($type = NULL)
2  {
3      // get data from database
4      $data['messages'] = $this->Message_model->get();
5
6      if ($type == "ajax") // load inline view for call from
7  ajax
8          $this->load->view('messages_list', $data);
9      else // load the default view
10         $this->load->view('default', $data);
   }
```

We fetch messages from the database using `Message_model->get()` function. Then the data is passed to the view. Here, we have 2 views called. One for the default view, where we called the page using `message/view`, and the other is for calling from ajax.

add is a proccess used to insert the message to the database. The codes are:

```
1  function add()
2  {
3      // if HTTP POST is sent, add the data to database
4      if($_POST && $_POST['message'] != NULL) {
5          $message['message'] = $this->input-
6  >xss_clean($_POST['message']);
7          $this->Message_model->add($message);
8      } else
9          redirect('message/view');
   }
```

This function is accessed when we press the submit button from the form. This function will save the message using `Message_model->add()` function.

Model

The next thing we need to create is the model. I use `Message_model` for the name. Here we create two functions, **add** and **get**. add is a function to insert the data into the database. get is a function to retrieve data from database. I think the codes are pretty self-explainatory, but you could drop me a message if you need some explainations on the codes.

```
1  function add($data)
2  {
3      $this->db->insert('messages',
4  $data);
   }
```

```
1  function get($limit=5, $offset=0)
2  {
3      $this->db->orderby('id', 'DESC');
4      $this->db->limit($limit, $offset);
5
6      return $this->db->get('messages')-
```

```
7  >result();
   }
```

View

I use 2 files for view section. `default.php` and `message_list.php`. The `message_list` is used for displaying the messages taken from the database.

```
1  <!-- default.php -->
2  <div id="form">
3      <input type="text" id="message" name="message" />
4      <input type="submit" id="submit" name="submit" value="submit" />
5  </div>
6  <div id="content">
7  <?php $this->load->view('messages_list') ?>
8
9  </div>
```

```
1  <!-- message_list.php -->
2  <ol>
3  <?php foreach ($messages as $message):
4  ?>
5      <li><?= $message->message ?></li>
6  <?php endforeach ?>
   </ol>
```

Hey, Where's the JQuery?

Here we go. The last, and maybe the most important part of this tutorial. So, we the our controller, we had the model, and we had the views. I assume you already know how to include a jquery script to your view. The jquery codes are this:

```
 1  $(document).ready(function() {
 2      $('#submit').click(function() {
 3
 4          var msg = $('#message').val();
 5
 6          $.post("<?= site_url('message/add') ?>", {message: msg},
 7  function() {
 8              $('#content').load("<?= site_url('message/view/ajax') ?
 9  >");
10              $('#message').val('');
11          });
        });
    });
```

So, when we click the submit button, the javascript will take the value of input textbox then send it to `message/add` using post method. When the action succeed, the script will call `message/view/ajax`. Note the `ajax` keyword. It will call the `message_list` view instead of the default one. Then the view will replace the content in `div#content` tag.

Well done. You could see the demo I made from the tutorial.

You could download the whole files used in this tutorial in tutorial.zip (1.98 KB).

Or, if you prefer to get one by one,
controller: message (904 bytes)
model: message model (583 bytes)
view: default (782 bytes)
view: message_list (111 bytes)

I hope this tutorial helps newbie like me. If you have any question, just drop a comment below 😊

Update: *Need how to do this using JSON? Check* *CodeIgniter and Ajax Using jQuery tutorial using JSON*.
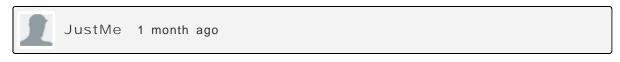
-- May 27, 2008 10:28 pm · ajax, ci, codeigniter, jquery, tutorial · shortlink · 146 Comments

👍 **Like** 👎   19 people liked this.   DISQUS ·

Add New Comment

```
*
```

Post as ...

Showing 79 of 80 comments

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JustMe   1 month ago

Thanks! Keep up the good work! Useful tutorial!

1 person liked this.   Like   Reply

rookieblogger   12 months ago

wow thanks for this... http://babydesertwolf.blogspot...

3 people liked this.   Like   Reply

Launcher Go   2 months ago   in reply to rookieblogger

wow, amazing~ haha:D

1 person liked this.   Like   Reply

gutasaputra   1 year ago

im sorry. but the demo version, its wont show up. there is a some trouble with the lines of code. please help me to showing up the demo version. :)

5 people liked this.   Like   Reply

Amit Gupta   12 months ago

very nice and useful tutorial...........Thanks!

2 people liked this.   Like   Reply

M Mahbub Rahman   3 months ago   in reply to Amit Gupta

Yes. That's good.

Like   Reply

Eddie Monge   1 year ago

I would highly recommend changing your function (method) from the name 'view' to the name 'display' as it would most likely cause less confusion as view is the name given to displaying views in the MVC pattern.

If you changed it, it would be like this:
To load a view, the call is $this->load->view('welcome');
To load your display: $this->display();

Less confusing when you aren't using a CI method name for your functions.

Ivan Ivanić and 3 more liked this   Like   Reply

Ivan Ivanić 9 months ago *in reply to Eddie Monge*

+1

1 person liked this.   Like   Reply

jamifad 1 year ago

For the life of me, I do not know. viagera Iowa Good joke :) Why did the Indian wear a wig? To keep his wigwam.

2 people liked this.   Like   Reply

raananhax 3 months ago *in reply to jamifad*

thats lame ....I hope you are over 50 years old...even then its still pretty lame

Like   Reply

Hello 1 year ago *in reply to jamifad*

this guy is insane

Like   Reply

indialike 1 year ago

Very nice and useful tutorials to web designers,
Thanks for posting.

2 people liked this.   Like   Reply

Eric 1 year ago

Anybody figured out why this doesn't work properly on Internet Explorer? (I'm using IE8 and it still doesn't work).

The problem is that the very FIRST input to the form gets displayed, but second, third or anything after that do not get re-loaded onto the message-list view. However, the data gets inserted into database fine.

It works on FireFox.

2 people liked this.   Like   Reply

littlebrain   2 years ago

hi Dinesh,
you could create another view for form, and change the `add` function in controller to
something like this:

```
funtion add() {

  $this->load->library('form_validation');

  if ($this->form_validation->run() === FALSE) {

    $this->load->view('add_form');

  } else {

    // add to database

  }

}
```

then you call the add function via jquery to show the form.

2 people liked this.   Like   Reply

this   1 year ago

the demo doesnt work

1 person liked this.   Like   Reply

Secret Secret   2 months ago   in reply to this

dddddd

Like   Reply

Zaman   1 year ago

thanks for sharing such a nice article.

1 person liked this.   Like   Reply

gufangeoxinee   1 year ago

порно видео курских студентов онлайн http://free-3x.com/ порно студенток школы free-3x.com/ порно в школе видео free-3x.com

1 person liked this.   Like   Reply

Spammer   1 year ago   in reply to gufangeoxinee

start learning captcha man. spammers here

Like   Reply

Eric   1 year ago

For those who are having the IE problem, here is the fix.

The issue is in regards to IE caching and each time it attempts to load the "div" given the URL, it thinks it's loading the same content.

So, a quick fix would be to "confuse" IE that each time you post a comment, it is a new URL we are re-loading. And we can achieve this by giving a random integer attached to the end of the URL.

Here's the code :

```
$(document).ready(function()
{
$('#submit').click(function()
{
var msg = $('#message').val();
var load_url = "?random=" + Math.random()*99999;

$.post("", {message: msg}, function() {
$('#content').load(load_url);
$('#message').val('');
});
});
});
```

Hope that helps.

You can also always use jQuery's "append()" method to re-load the page, something like

...
$('#content').append('new comment that was just posted...!');

...

1 person liked this.　Like　Reply

bp　2 years ago

Hi, I really need your help. I am using code ignitor for CRUD. Do you include jqeury lib in each of your view scripts. i just added an onclick event for a href link and in js i am popping up an alert box, it doestnt work.

Thanks

1 person liked this.　Like　Reply

AlexA　2 years ago

Thanks for posting this, but neither demo nor code works correctly with Ie6. It was reported earlier but not answered. What might be the reason? After loading the page it is possible on add and show one new record. After that submit doesn't change screen apperance but shown new record after browser refresh (but that not the way to use it)... Any advice?

1 person liked this.　Like　Reply

pioum　2 years ago

Good tutorial, but i can't download the files. and i can't read the code of the view files

1 person liked this.　Like　Reply

Morten　2 years ago

You really should be more careful. You're not validating any user input! This is dangerous! You should really take away the demo before any damage is done.

1 person liked this.　Like　Reply

Anggun Firdaus　2 years ago

nice articel..i've implemented, and it works..thx..

but, can you writing articel about CI + ajax + thickbox or Ci + ajax + extjs..
in simple case, can you explain how to insert data to database with JQuery ajax then load modal box with thickbox, after that the data load to extjs grid

thx

healthdict.blogspot.com

1 person liked this.   Like   Reply

Nguyễn Khánh Hưng 2 years ago

Not work on ie6

1 person liked this.   Like   Reply

littlebrain 2 years ago

hi Leo,

the code is working. the `$('#submit').click()` is an onclick event wrapped using jquery library. the demo works :)

1 person liked this.   Like   Reply

lawrence 3 years ago

thanks for the reply...
here is another question. i have been figure it for 2 days.

for php require_once, include...
i cant use base_url() or BASEPATH.
not sure what happen here...
i did it same way as how i do with the javascript.

can help me with that ?
thanks...

1 person liked this.   Like   Reply

lawrence 3 years ago

```
for this part...
$(document).ready(function() {
$('#submit').click(function() {

var msg = $('#message').val();

$.post("", {message: msg}, function() {
$('#content').load("");
$('#message').val('');
});
});
});
```

how could i add more element to it ?
you are using json way ?

1 person liked this. Like Reply

lawrence 3 years ago

the link works.

before this i found that when the URL like:
localhost/codeigniter/index.php/message/view

when it got another / after index.php
then i have to include extra "../" to the original "../jquery.js".

if localhost/codeigniter/index.php/message/view/
another / behind view.

then i have include "../../" to the include link.

but your reference link solve the problem.
it help lots.....
thanks lots...

1 person liked this. Like Reply

Grifis 4 days ago

Thanks for the tutorial, but how do I change the uri segment (3) to attach comments to a particular photo? Not print anything because I can not find the variable

Like Reply

Anggabs 1 month ago

Thank you :)

Like Reply

Aasd 1 month ago

asdasd

Like Reply

Pabx promo 1 month ago

very nice thanks :)

Like   Reply

Swapnil N kene   1 month ago

Thanks dude

Like   Reply

aditya   3 months ago

is there any way i can make comments system like face book where on every post i can submit the comment or do u know any know tutorial to post comment on same page as you have in your blog, i will be very thankful

Like   Reply

deste   3 months ago

I appreciate your tutorial..
Really very helpful for a codeigniter lamer like me! ;-)
Thank you so much, man.

Like   Reply

Jericrealubit   4 months ago

tnxs! ;) very nice tuts! keep it coming... ;)

Like   Reply

Someone   5 months ago

Thanks.. nice tutorial..

Like   Reply

myfacefriends   7 months ago

thanks for the tuts! very help like us! more power mate!

Like Reply

web design   8 months ago

this is a great tutorial....because really put a real case for the tutorial...thanks for sharing this...

Like Reply

Dhidyawdiyan   8 months ago

nice..

Like Reply

Underscore_05   9 months ago

thanks..

Like Reply

Website Designs Uk   9 months ago

As a newbie I get as much out of witnessing the pros thinking process as I do seeing the new code itself – even during mistakes or debugging.

Like Reply

Gayan Hewa   10 months ago

Dude , thanks ... it was kinda interesting. Its always helpful to have a simple tutorial. Because we have issues understanding the , simple things not the complex.
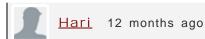
Like Reply

juan   11 months ago

Fix ortography please!

Like Reply

Hari 12 months ago

Very nice article. Thanks for sharing this!...

Like Reply

Ovarbmag 1 year ago

Hello :)

I'm using this with a textarea box. If my text has more than one line it refreshes the whole page instead of using ajax itself. What is this about?

Like Reply

Devilmaycry 1 year ago

Type your comment here.http://disqus.com/comments/

Like Reply

Guest 1 year ago

Comment removed.

aldi ★ 1 year ago in reply to Guest

it should be trivial. <script src="/path/to/jquery.js" type="text/javascript"></script> will do :)

Like Reply

Thanhnd Dev 1 year ago

hihihi, tks

Like Reply

Gustavo 1 year ago

Good tutorial! Congratulations!

Like Reply

Handayani Putrie 1 year ago

demo version not show up...

Like Reply

aldi ⭐ 1 year ago in reply to Handayani Putrie

it's working now, sorry for the inconvenience :)

Like Reply

Kekz 1 year ago

thanks a lot. works fine!

Like Reply

Blogregator 1 year ago

Great tutorial! Than you!

Like Reply

Smart191 1 year ago

I am a big newbie. Where do you put the jquery code? Thanks!

Like Reply

excelln 1 year ago

why don't load view in your controller?

Like Reply

Vladimir 1 year ago

Hey

Great CI/Ajax tutorial, keep up the good work ;)

Like   Reply

Yogi 1 year ago

Thank you.. Your tutorial inspired me..

Like   Reply

sony 1 year ago

really nice,thank you

Like   Reply

asdf 2 years ago

should really escape your input...

Like   Reply

Alex Edwards 2 years ago

Thanks!

This was just what I needed for a little application I was working on. Much appreciated.

Like   Reply

adam 2 years ago

Hi, Brian where the $type variable is set?

function view($type = NULL)
{
...
if ($type == "ajax") // load->view('messages_list', $data);
....
}

In yout code it does not appear anymore. is it set by jquery?

Like   Reply

bowo   2 years ago

good tutorial. bring me some light:). thanks

Like   Reply

Sean-Paul   2 years ago

Great tutorial! Thanks, huge help.

One thing that I'm noticing on my site is that only the first input registers. If I put in more, they get inserted into the DB but the list does not update, I have to refresh the web page to see the new entries. Any ideas?

Like   Reply

pioum   2 years ago

thanx a lot

Like   Reply

littlebrain   2 years ago

you're right. thank you for the notification :)

Like   Reply

Leo   2 years ago

Hello,

I couldn't figure out yet.
Is your code working?
I am having the same behaviour as your demo, however I can't add more registries. Do I have to add an onClick event at the button?
If yes please tell us how.

Nice Tutorial!

Leo

Like   Reply

shidiq 2 years ago

nice tutorial

Like Reply

DShadow 2 years ago

Thanks!!!

Like Reply

ical 2 years ago

could u pls give me links for another jquery+CI tutorial?thx...

Like Reply

speedovation 3 years ago

very well written..Nice tutorial mate.

Thank you

Like Reply

koceng 3 years ago

Bro, ajarin dong CI dengan AJAX. ane masih belum ngerti padahal udah belajar dari tutorial orang banyak. buat back end program dengan AJAX dalam CI.

mo hujan no oject becceckk....

Like Reply

lawrence 3 years ago

thanks dude...you helped me alot...

Like Reply

lawrence 3 years ago

oh...yeah...if the view files is out of view folder...
then i will have bit problem to included.

so how about css? same way how the jquery file done ?

Like   Reply

lawrence   3 years ago

i want to include files like header and footer that shared.

so in CI include is not preferred?

hmm..i think i can get your idea....
just use controller to load view of header and footer....

that might works....haha....thanks

Like   Reply

lawrence   3 years ago

i wondering how to include the jquery.
cause i also been following MR Forbes example..
although can get the first page running. But when it load back the page again, it not
running anymore.

i put my file like this :

www/codeigniter/system <-- this is for all the system files.

i put my javascript jquery
www/codeigniter/javascript/jquery.js

in the view, i include like this

it can run when i type my URL like this
localhost/codeigniter/index.php/message

but not when
localhost/codeigniter/index.php/message/view

can guide me how to really put the jquery files ?
thanks !!~

Like   Reply

Web Designer Bedford   8 months ago   _in reply to lawrence_

Thanks for this tutorial - a nice simple explanation

1 person liked this.   Like   Reply

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