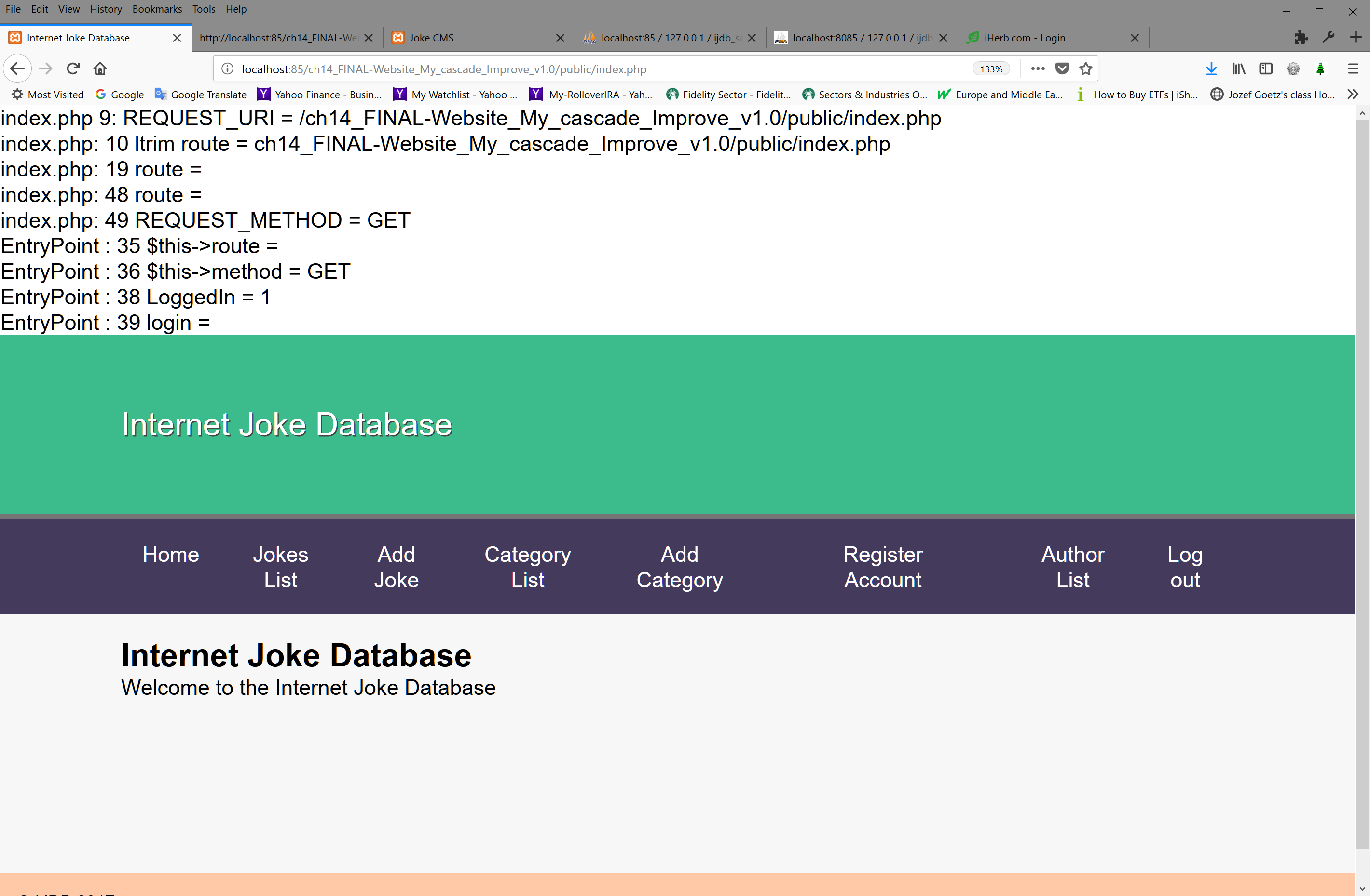
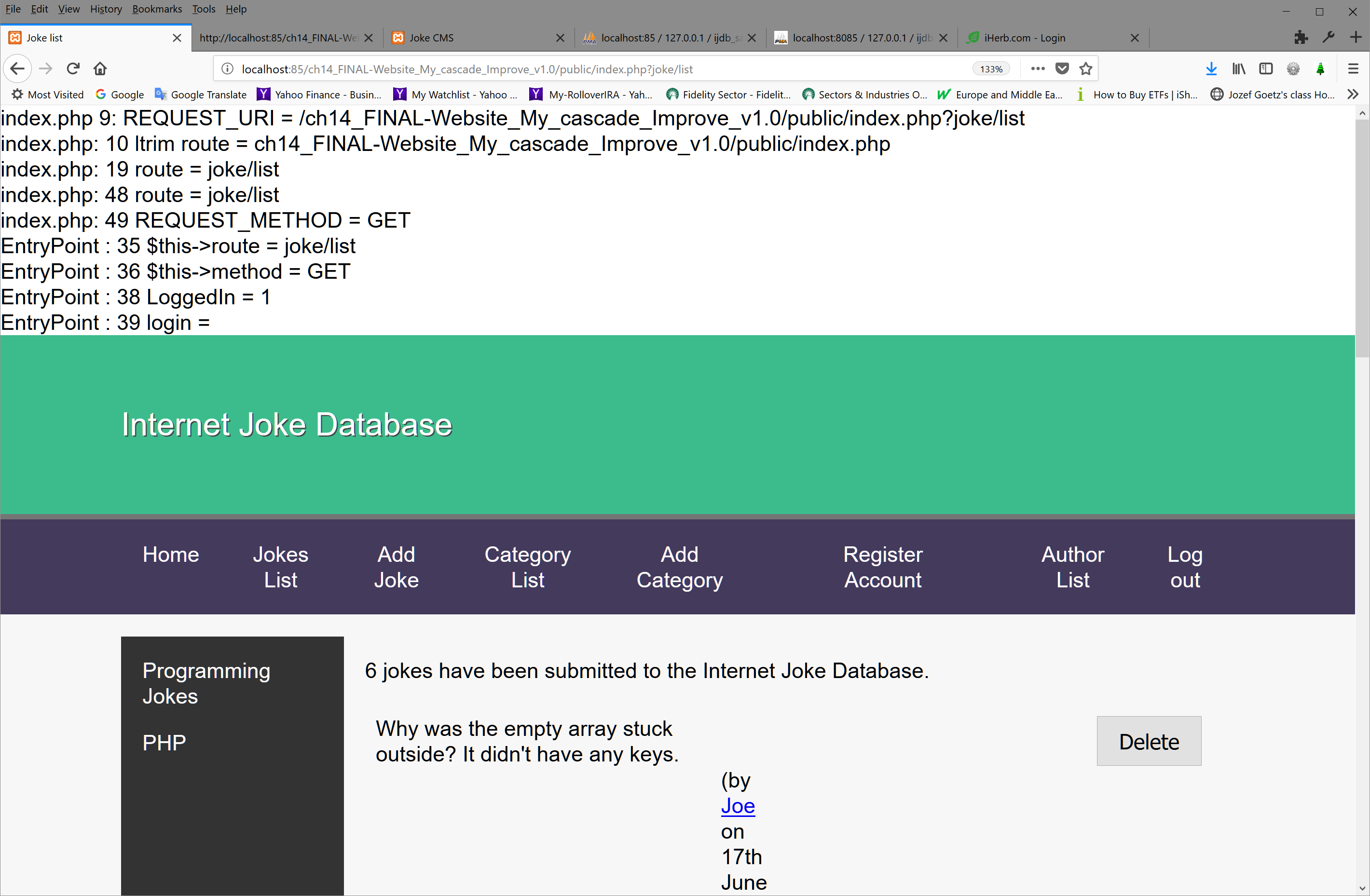
**CMPS 320 ch14 MY FIX for FINAL-website v1.0 with the cascade deletions.**

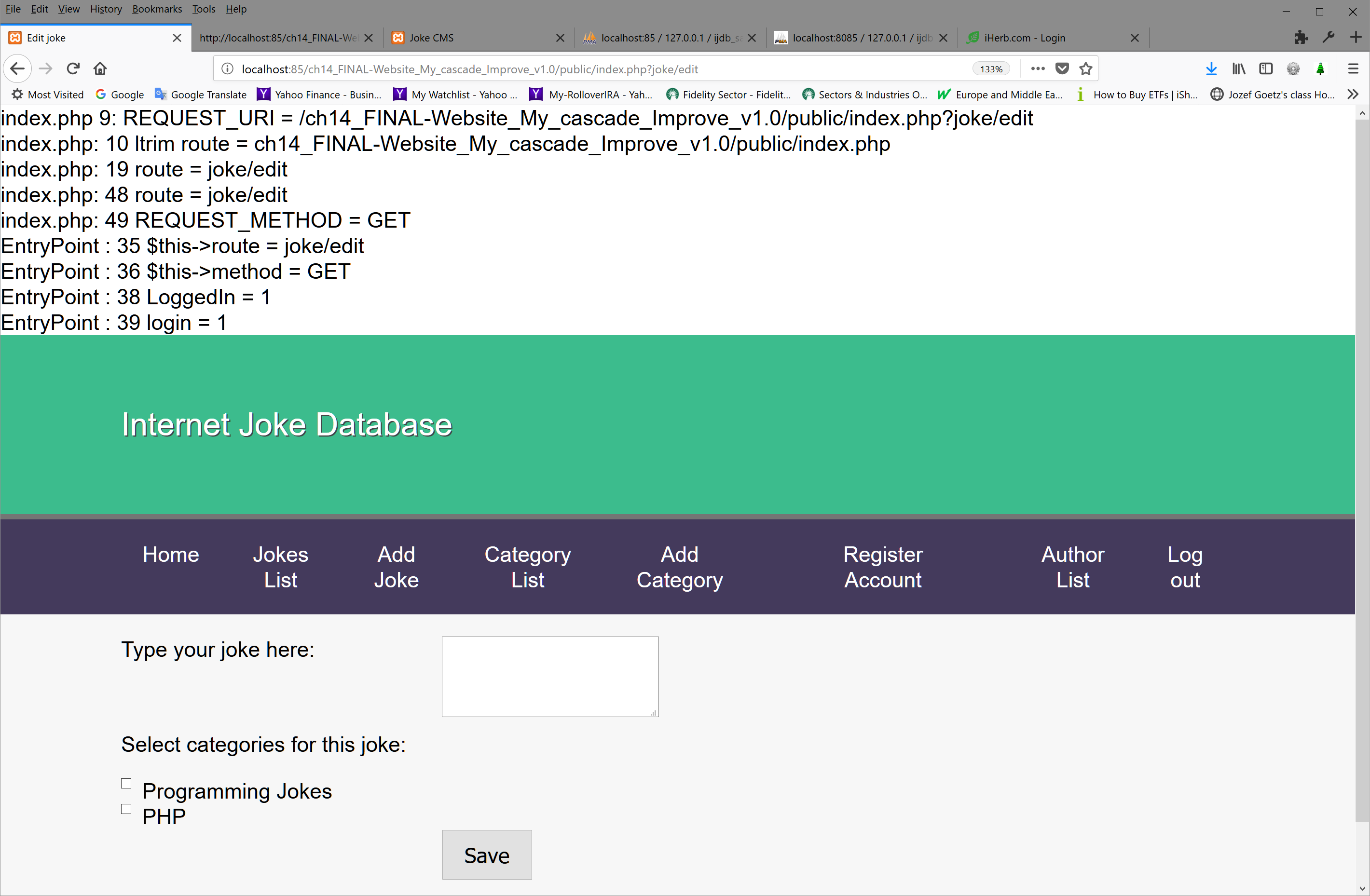
**Home:**



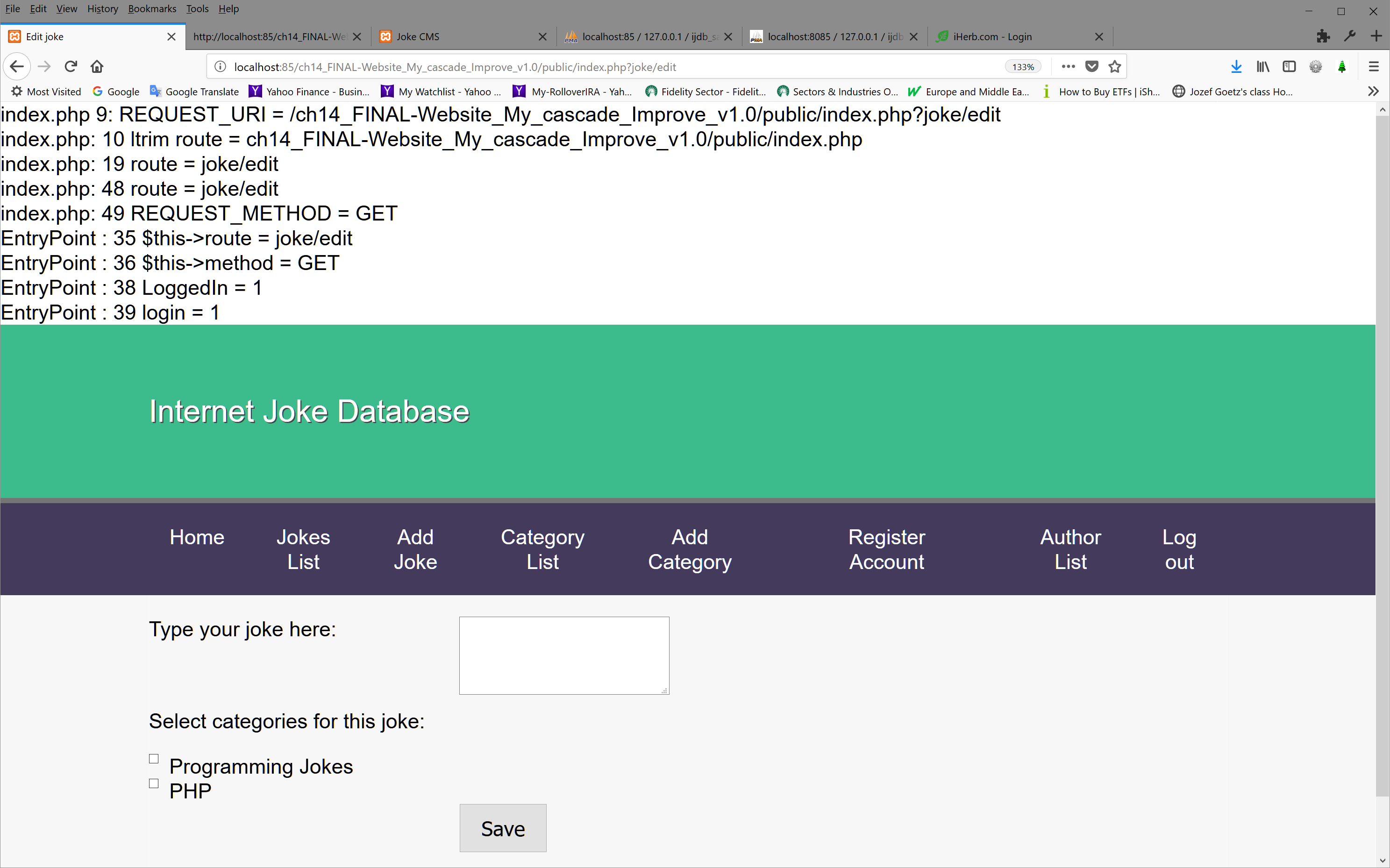
**Jokes List with a full admin privileges:**



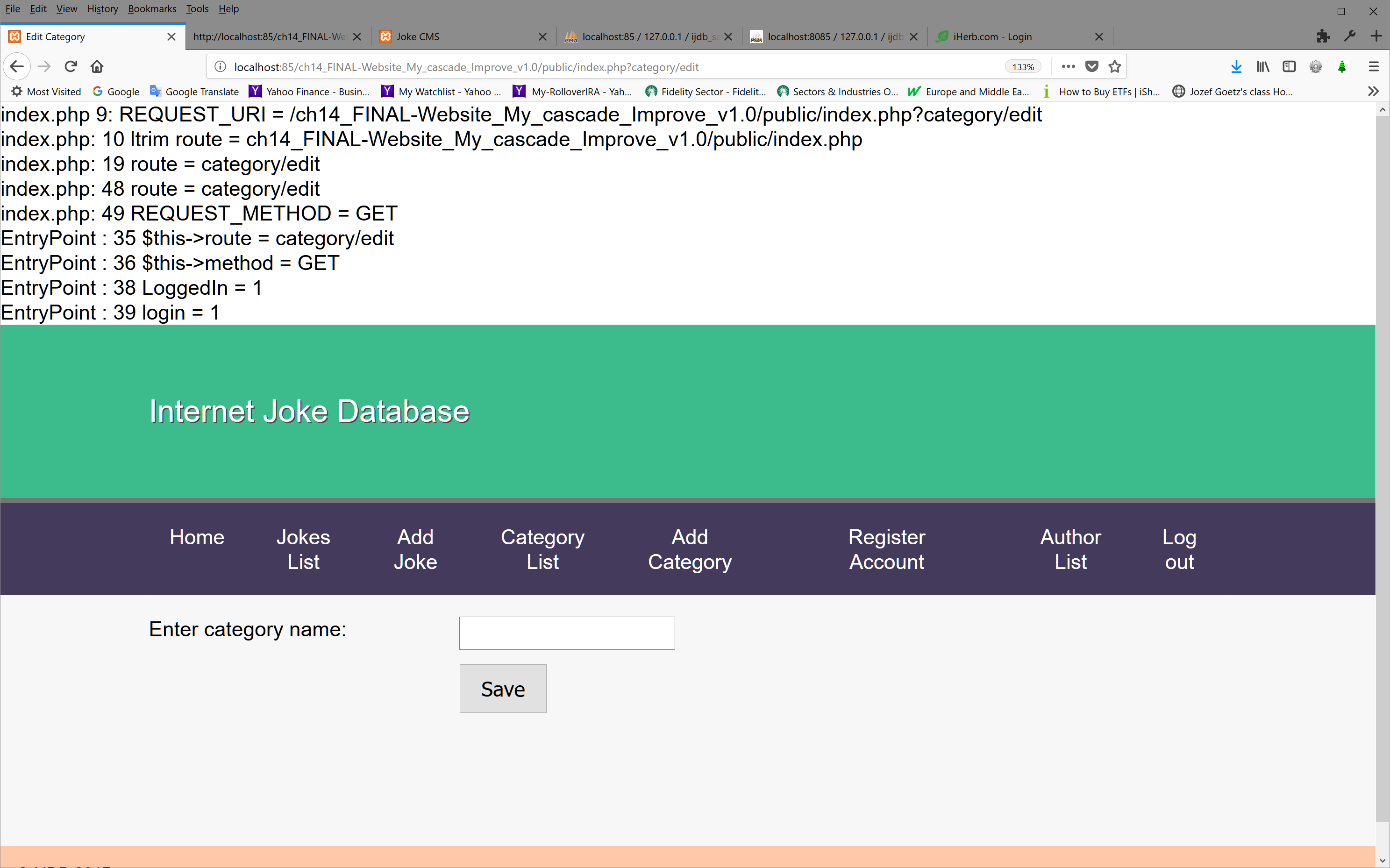
**Add Joke:**



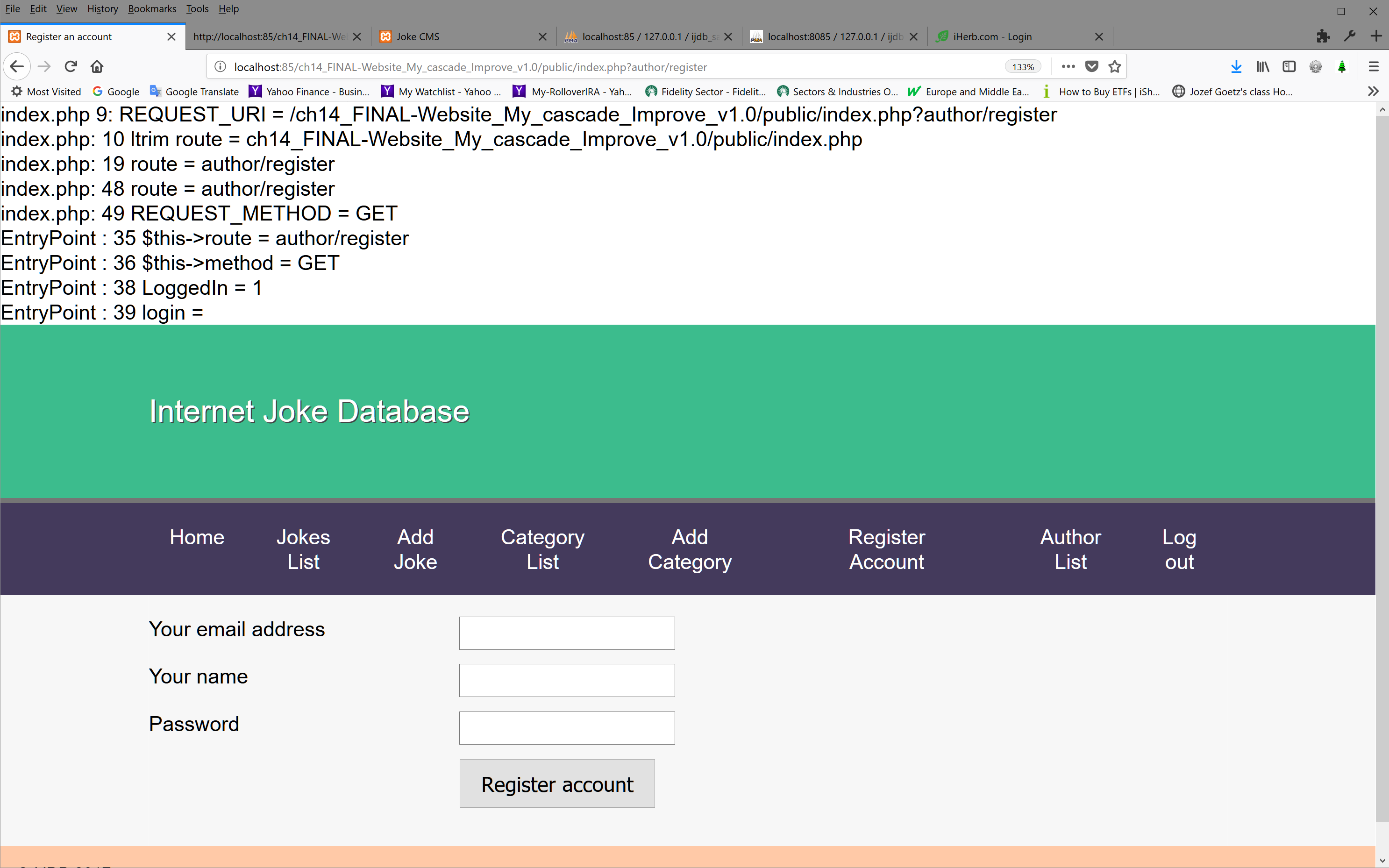
**Category List:**



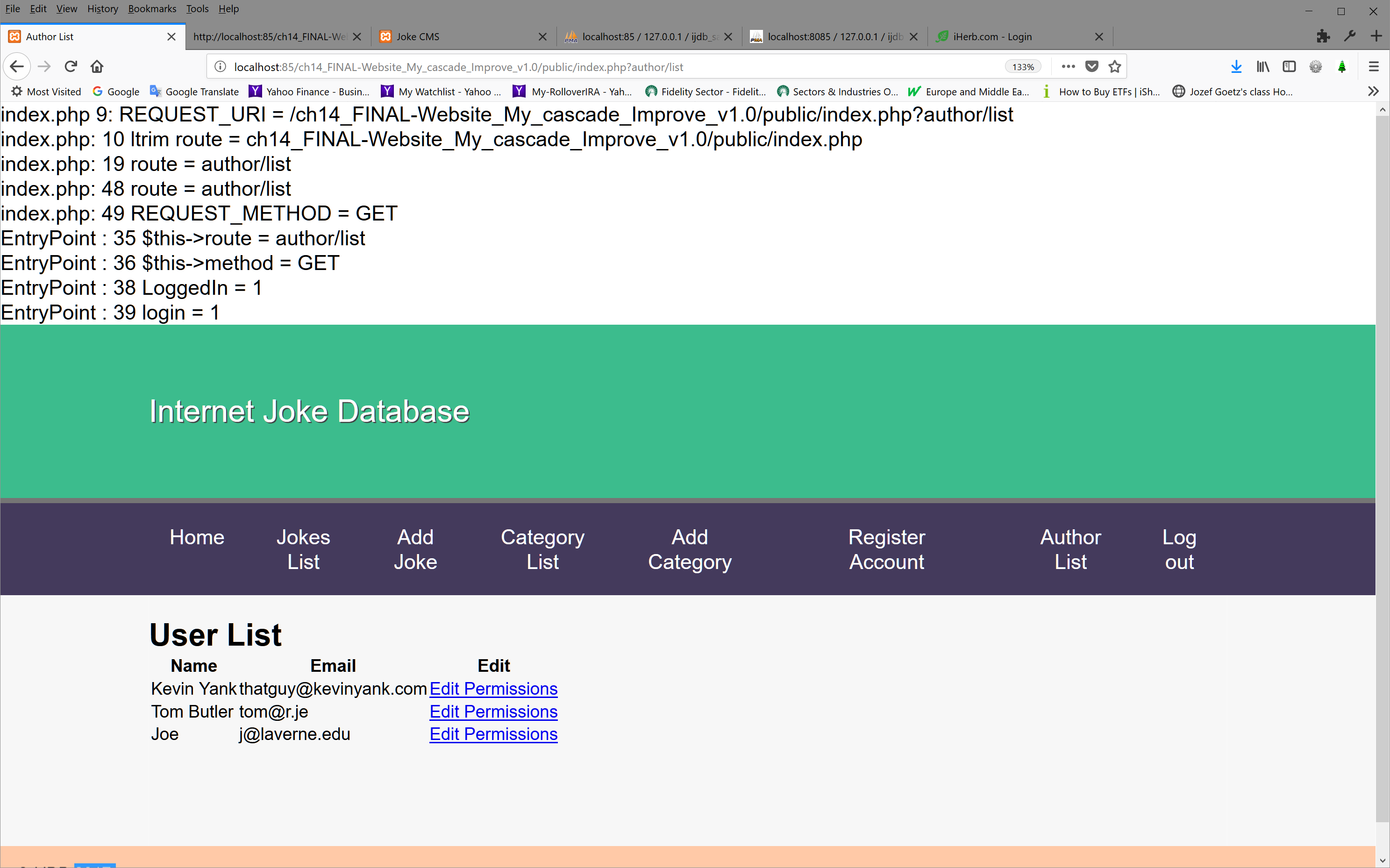
**Add Category:**



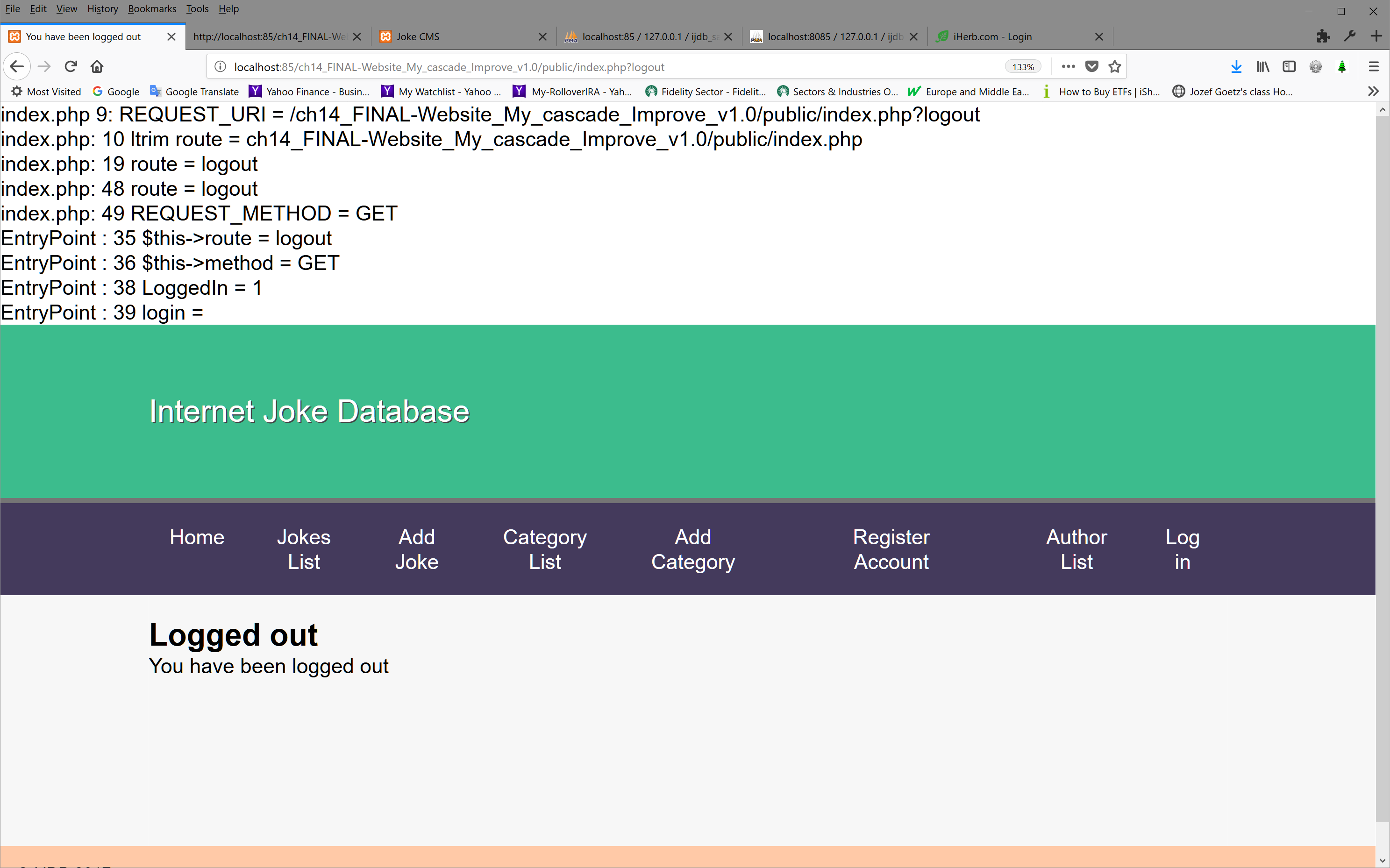
**Register Account:**



**Author List:**



**Log in:**



**Legend**:

**New** or **modified words** in the code are in **bold** with a background in yellow for **NEW or MOD.**

The original code is commented out and put in the commentas **“org” in blue or DEL or MOD in orange** and **bold.**

1. **index.php:**

**//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*JG 5/24/18 NEW line 8 - 42 ADAPTER to replace URL writing feature b/c .htaccess file is ignored by Apache\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

print ('index.php 9: REQUEST\_URI = ' . $\_SERVER['REQUEST\_URI'] . '<br>'); // JG test

print ('index.php: 10 ltrim route = ' . $route . '<br>'); // JG test

//5/22/18 JG NEW4l: adapter to the code b/c of the .htaccess is ignored by apache

if ($route == ltrim($\_SERVER['REQUEST\_URI'], '/') )

$route = ''; //JG 5/21/18 NEW replaces by ''

else

$route = $\_SERVER['QUERY\_STRING']; // 5/22/18 JG NEW1l: give the query = remaining string

print ('index.php: 19 route = ' . $route . '<br>'); // JG test

//5/22/18 JG NEW6l: adapter to the code b/c of the .htaccess is ignored by apache

if (strlen(strtok($route, '?')) < strlen($route)) // string has a second ?

{

if (strpos($route, 'id')){ //6/7/18 JG is there id?

$\_GET['id'] = substr ($route, strlen(strtok($route, '?')) + 4, strlen($route)); //6/7/18 JG extract id

from e.g. joke/edit?id=37

print ('index.php: 26 id = ' . $\_GET['id'] . '<br>'); // test substr($string, $start, $length)

}

if (strpos($route, 'page') && strpos($route, 'category')) { //6/7/18 JG is there

e.g. joke/list?page=2&category=3 for display later ?

$\_GET['page'] = substr($route, strpos($route, '=') + 1, strpos($route, '&') - strpos($route, '=') - 1 );

print ('index.php: 30 page = ' . $\_GET['page']. '<br>'); // test

$\_GET['category'] = substr ($route, strlen(strtok($route, '&')) + 10, strlen($route)); //6/7/18 JG extract

// category id from e.g. joke/list?page=2&category=3

print ('index.php: 34 category = ' . $\_GET['category'] . '<br>'); // test

}

else {

if (strpos($route, 'category')){

$\_GET['category'] = substr ($route, strlen(strtok($route, '?')) + 10, strlen($route)); //6/7/18 JG extract

// category id from e.g. joke/list?category=6

print ('index.php: 40 category = ' . $\_GET['category'] . '<br>'); // test

}

if (strpos($route, 'page')){

$\_GET['page'] = substr ($route, strlen(strtok($route, '?')) + 6, strlen($route)); //6/7/18 JG extract

page id from e.g. joke/list?page=2

print ('index.php: 44 page = ' . $\_GET['page']. '<br>'); // test

}

} // end else

$route = strtok($route, '?'); //retrieve the string between ? ? - for e.g. index?joke/edit?id=12

} // end the 1st if

print ('index.php: 48 route = ' . $route . '<br>'); // JG test

print ('index.php: 49 REQUEST\_METHOD = ' . $\_SERVER['REQUEST\_METHOD']. '<br>'); // test

**//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*END OF JG 5/24/18 NEW line 8 - 42//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

1. **EntryPoint.php:**

**public function run() {**

$routes = $this->routes->getRoutes();

print (' EntryPoint : 35 $this->route = ' . $this->route . '<br>'); // JG test

print (' EntryPoint : 36 $this->method = ' . $this->method . '<br>'); // JG test

$authentication = $this->routes->getAuthentication();

print (' EntryPoint : 38 LoggedIn = ' . $authentication->isLoggedIn() . '<br>'); // JG test

print (' EntryPoint : 39 login = ' . isset($routes[$this->route]['login']) . '<br>'); // JG test

if (isset($routes[$this->route]['login']) && isset($routes[$this->route]['login']) &&

!$authentication->isLoggedIn()) {

//header('location: /login/error'); // 5/25/18 JG **DEL1L** **org**

**header('location: index.php?login/error');** // 5/25/18 JG NEW1L

}

**//NEW in Ch14**

else if (isset($routes[$this->route]['permissions']) && !$this->routes->checkPermission($routes[$this->route]['permissions'])) {

//header('location: /login/permissionserror'); 6/3/18 JG **DEL**1L

header('location: index.php?login/permissionserror'); // 6/3/18 JG NEW1L

} }

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

3**. layout.html.php:**

<!doctype html>

<html>

<head>

<meta charset="utf-8">

<!-- 5/25/18 JG DEL1L: <link rel="stylesheet" href="/jokes.css"> -->

<link rel="stylesheet" href="jokes.css"> <!-- <!--5/25/18 JG NEW1L: otherwise it will not display layout -->

<title><?=$title?></title>

</head>

<body>

<nav>

<header>

<h1>Internet Joke Database</h1>

</header>

<ul>

**<!--5/25/18 JG NEW8L: replacement adapter -->**

**<li><a href="index.php">Home</a></li>**

**<li><a href="index.php?joke/list">Jokes List</a></li>**

**<li><a href="index.php?joke/edit">Add Joke</a></li>**

**<li><a href="index.php?category/list">Category List</a></li> <!--6/7/18 JG ADD 1L: Improve-->**

**<!-- <a href="/category/edit">Add a new category</a> JG 6/3/18 org in categories.html.php-->**

**<li><a href="index.php?category/edit">Add Category</a><li><!-- 6/3/18 JG ADD 1L:**

**Improve - menu item is moved from categories.html.php into layout.html.php-->**

**<li><a href="index.php?author/register">Register Account</a><li><!--6/7/18 JG**

**ADD 1L: Improve-->**

**<?php if ($loggedIn): ?>**

**<li><a href="index.php?logout">Log out</a></li>**

**<?php else: ?>**

**<li><a href="index.php?login">Log in</a></li>**

**<?php endif; ?>**

<!--5/25/18 JG **DEL**8L: **DEL** b/c of .htaccess is ignored by Apache

<li><a href="/">Home</a></li>

<li><a href="/joke/list">Jokes List</a></li>

<li><a href="/joke/edit">Add a new Joke</a></li>

<// ?php if ($loggedIn): ?>

<li><a href="/logout">Log out</a></li>

<// ?php else: ?>

<li><a href="/login">Log in</a></li>

<// ?php endif; ?> -->

-->

</ul>

</nav>

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**4.Joke.php:**

**public function delete() {**

…

$this->jokesTable->delete($\_POST['id']);

//header('location: /joke/list'); 5/25/18 JG **DEL**1L **org**

**header('location: index.php?joke/list');** // 5/25/18 JG NEW1L

**public function saveEdit() {**

…

// end of the function

//header('location: /joke/list'); 5/25/18 JG **DEL**1L **org**

**header('location: index.php?joke/list');** //5/25/18 JG NEW1L

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**5.jokes.html.php:**

**//ALL MOD in ch14 beginning code:**

<div class="jokelist">

<ul class="categories">

<?php foreach($categories as $category): ?>

<!-- <li><a href="/joke/list?category=<//?=$category->id?>"><//?=$category->name?></a><li> JG 6/3/18 **org**-->

<li><a href="**index.php?**joke/list?category=<?=$category->id?>"><?=$category->name?></a><li> <!-- //6/3/18 JG **MOD**1L -->

<?php endforeach; ?>

</ul>

**// end of the code**

echo $date->format('jS F Y');

?>)

<?php if ($user): ?>

<?php if ($user->id == $joke->authorId || $user->hasPermission(\Ijdb\Entity\Author::EDIT\_JOKES)): ?>

<!-- <a href="/joke/edit?id=<//?=$joke->id?>">Edit</a> JG 6/3/18 **org**-->

<a href="**index.php?**joke/edit?id=<?=$joke->id?>">Edit</a> <!-- 6/3/18 JG **MOD**1L -->

<?php endif; ?>

<?php if ($user->id == $joke->authorId || $user->hasPermission(\Ijdb\Entity\Author::DELETE\_JOKES)): ?>

<!-- <form action="/joke/delete" method="post"> JG 6/3/18 **org**-->

<form action="**index.php?**joke/delete" method="post"> <!-- / 6/3/18 JG **MOD**1L -->

<input type="hidden" name="id" value="<?=$joke->id?>">

<input type="submit" value="Delete">

</form>

<?php endif; ?>

<?php endif; ?>

</blockquote>

<?php endforeach; ?>

<!-- Select page: 6/8/18 JG don't display if no jokes -->

**<?php echo $totalJokes ?'Select page:': ''?>** <!-- 6/8/18 JG NEW 1L **I**mprove: don't display 'Select page' if no jokes -->

<?php

$numPages = ceil($totalJokes/10);

for ($i = 1; $i <= $numPages; $i++):

if ($i == $currentPage):

?>

<!-- <a class="currentpage" href="/joke/list?page=<//?=$i?><//?=!empty($categoryId) ? '&category=' . $categoryId : '' ?>"><//?=$i?></a> JG 6/3/18 **org**-->

<a class="currentpage" href="**index.php?**joke/list?page=<?=$i?><?=!empty($categoryId) ? '&category=' . $categoryId : '' ?>"><?=$i?></a> <!-- 6/3/18 JG **MOD**1L -->

<?php else: ?>

<!-- <a href="/joke/list?page=<//?=$i?><//?=!empty($categoryId) ? '&category=' . $categoryId : '' ?>"><//?=$i?></a> JG 6/3/18 **org**-->

<a href="**index.php?**joke/list?page=<?=$i?><?=!empty($categoryId) ? '&category=' . $categoryId : '' ?>"><?=$i?></a> <!-- 6/3/18 JG **MOD**1L -->

<?php endif; ?>

<?php endfor; ?>

</div>

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**6.Register.php:** -

// Line 70 - 71

//header('Location: /author/success'); 5/25/18 JG **DEL**1L **org**

**header('Location: index.php?author/success'); //5/25/18 JG NEW1L**

**// MOD in ch14**

**//last 2 lines in the last function:** public function savePermissions() {

//header('location: /author/list'); 6/3/18 JG **DEL**1L **org**

header('location: **index.php?**author/list'); // 6/3/18 JG **MOD**1L

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**7. loginerror.html.php**

**// MOD in ch14**

<h2>You are not logged in</h2>

<!-- <p>You must be logged in to view this page. <a href="/login">Click here to log in</a>

or <a href=" **index.php?**author/register">Click here to register an account</a></p> JG 6/3/18 **DEL**1L **org** -->

<p>You must be logged in to view this page. <a href="/login">Click here to log in</a> or

<a href=" **index.php?**author/register">Click here to register an account</a></p> <!-- JG 6/3/18 **MOD**2L -->

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**8. Login.php:**

**public function processLogin() {**

if ($this->authentication->login($\_POST['email'], $\_POST['password'])) {

//header('Location: /login/success'); //5/25/18 JG **DEL**1L **org**

**header('Location: index.php?login/success');** <!-- 6/3/18 JG **MOD**1L -->

}

else {

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

9. **authorlist.html.php:**

**//NEW in Ch14**

tbody>

<?php foreach ($authors as $author): ?>

<tr>

<td><?=$author->name;?></td>

<td><?=$author->email;?></td>

<!-- <t d><a href="/author/permissions?id=<?=$author->id;?>">Edit Permissions</a></td> JG 6/3/18 **DEL**1L **org** -->

<td><a href="**index.php?**author/permissions?id=<?=$author->id;?>">Edit Permissions</a></td> <!-- JG 6/3/18 **MOD**1L -->

</tr>

<?php endforeach; ?>

</tbody>

**10. category.html.php (similar to jokes.html.php):**

**//NEW in Ch14**

//at the beginning

<h2>Categories</h2>

<!-- <a href="/category/edit">Add a new category</a> JG 6/3/18 org-->

<!-- <a href="index.php?category/edit">Add Category</a> 6/3/18 JG **MOD**1L and

moved to layout.html.php-->

<blockquote>

<p>

<?=htmlspecialchars($category->name, ENT\_QUOTES, 'UTF-8')?>

<!-- <a href="/category/edit?id=<?=$category->id?>">Edit</a> JG 6/3/18 org-->

<a href="**index.php?**category/edit?id=<?=$category->id?>">Edit</a> <!-- 6/3/18 JG **MOD**1L -->

<!-- <form action="/category/delete" method="post"> JG 6/3/18 org-->

<form action="**index.php?**category/delete" method="post"> <!-- 6/3/18 JG **MOD**1L -->

<input type="hidden" name="id" value="<?=$category->id?>">

<input type="submit" value="Delete">

</form>

</p>

</blockquote>

**11. Category.php**

**public function saveEdit() {**

$category = $\_POST['category'];

$this->categoriesTable->save($category);

// header('location: /category/list'); 6/7/18 JG **DEL** 1L: **org**

header('location: **index.php?**category/list'); // 6/7/18 JG NEW 1L:

}

**public function delete() {**

$this->categoriesTable->delete($\_POST['id']);

// header('location: /category/list'); 6/7/18 JG **DEL** 1L: **org**

header('location: **index.php?**category/list'); // 6/7/18 JG NEW 1L:

}

**The database deletion Improvement:**

**Rules:**

1. In order to **delete** a row in **category** the 1st should be deleted the corresponding rows in the child table **joke\_category**. A category can exist without any related entry in the **joke\_category** table.
2. In order to **delete** a row in **joke** the 1st should be deleted the corresponding rows in the child table j**oke\_category.** An author can exist without any related entry in the **joke\_category** table.

**12. IjdbRoutes.php**

**public function getRoutes(): array {**

//$jokeController = new \Ijdb\Controllers\Joke($this->jokesTable, $this->authorsTable, $this->categoriesTable, $this->authentication);

//6/12/18 JG **DEL** 1L

$jokeController = new \Ijdb\Controllers\Joke($this->jokesTable, $this->authorsTable, $this->categoriesTable,

**$this->jokeCategoriesTable,** $this->authentication); // 6/12/18 JG **MOD** 1L: added $jokeCategoriesTable to manipulate it e.g. delete a child table

$authorController = new \Ijdb\Controllers\Register($this->authorsTable);

$loginController = new \Ijdb\Controllers\Login($this->authentication);

//$categoryController = new \Ijdb\Controllers\Category($this->categoriesTable); // 6/12/18 JG **DEL** 1L

$categoryController = new \Ijdb\Controllers\Category($this->categoriesTable, **$this->jokeCategoriesTable)**; // 6/12/18 JG NEW 1L 2 arguments for deletion the child table

$routes = [ …

**13. Joke.php**

**//Beginning:**

<?php

namespace Ijdb\Controllers;

use \Ninja\DatabaseTable;

use \Ninja\Authentication;

class Joke {

private $authorsTable;

private $jokesTable;

private $categoriesTable;

**private $jokeCategoriesTable;** //6/12/18 JG NEW 1L:in order to use $this->jokeCategoriesTable->deleteWhere()

private $authentication;

//public function \_\_construct(DatabaseTable $jokesTable, DatabaseTable $authorsTable, DatabaseTable $categoriesTable,

//Authentication $authentication) { //6/12/18 JG **DEL** 1L: need to add $jokecategory table to have all possible manipulation such as delete a child table

public function \_\_construct(DatabaseTable $jokesTable, DatabaseTable $authorsTable, DatabaseTable $categoriesTable, **DatabaseTable $jokeCategoriesTable**, Authentication $authentication) { //6/12/18 JG **MOD** 1L: added $jokeCategories table to manipulate it e.g. delete a child table

$this->jokesTable = $jokesTable;

$this->authorsTable = $authorsTable;

$this->categoriesTable = $categoriesTable;

**$this->jokeCategoriesTable = $jokeCategoriesTable;** //6/12/18 JG NEW 1L:

//in order to use $this->jokeCategoriesTable->deleteWhere()

$this->authentication = $authentication;

}

**public function delete() {**

$author = $this->authentication->getUser();

$joke = $this->jokesTable->findById($\_POST['id']);

if ($joke->authorId != $author->id && !$author->hasPermission(\Ijdb\Entity\Author::DELETE\_JOKES) ) {

return;

}

**$this->jokeCategoriesTable->deleteWhere('jokeid', $\_POST['id']);** // 6/13/18 JG **NEW** 1L: first DELETE

//all rows with $\_POST['id'] related to a child table

//otherwise DB problem and joke display problem for [1] 2 3 etc.

$this->jokesTable->delete($\_POST['id']); // 6/13/18 JG delete a row at the parent table

//header('location: /joke/list'); 5/25/18 JG DEL 1L: org

header('location: index.php?joke/list'); // 5/25/18 JG NEW 1L

}

**14. Category**

<?php

namespace Ijdb\Controllers;

**class Category** {

private $categoriesTable;

**private $jokeCategoriesTable;** //6/9/18 JG NEW 1L: in order to use $this->jokeCategoriesTable->delete()

//public function \_\_construct(\Ninja\DatabaseTable $categoriesTable) {

//$this->categoriesTable = $categoriesTable; //6/9/18 JG **DEL** 1L:

public function \_\_construct(\Ninja\DatabaseTable $categoriesTable, **\Ninja\DatabaseTable $jokeCategoriesTable)** { //6/9/18 JG **NEW** 1L: in order to use $this->jokeCategoriesTable->delete()

$this->categoriesTable = $categoriesTable;

**$this->jokeCategoriesTable = $jokeCategoriesTable;** //6/9/18 JG **NEW** 1L: in order to use $this->jokeCategoriesTable->delete()

}

public function edit() {

**public function delete() {**

**$this->jokeCategoriesTable->delete($\_POST['id']);** // 6/9/18 JG **NEW** 1L: first DELETE all rows with $\_POST['id'] related to a child table

$this->categoriesTable->delete($\_POST['id']); // 6/9/18 JG Delete a row at the parent table

// header('location: /category/list'); 6/7/18 JG DEL 1L: org

header('location: index.php?category/list'); // 6/7/18 JG **NEW** 1L:

}

}