Bootstrap 3 Form And Php Codeigniter Example

🕐 Posted On 2013-11-28 | Yashwant Chavan

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This tutorial will help you to setup the Twitter Bootstrap 3.0 with Php Codeigniter Framework. Its great combination to design UI in bootstrap and server side functionality is in Php codeigniter. This blog is also developed in Bootstrap and Php codeigniter framework.

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► Twitter Bootstrap

Database table trn_employee

Create trn_employee table with the help of below mysql table script. Once you are done with the table creation in mysql database, Our next step is we need to setup Php Codeigniter project.

```
CREATE TABLE  `technicalkeeda`.`trn_employee` (
  `employee_id` bigint(20) NOT NULL auto_increment,
  `first_name` varchar(50) collate latin1_general_ci default NULL,
  `last_name` varchar(50) collate latin1_general_ci default NULL,
  `email` varchar(30) collate latin1_general_ci NOT NULL,
  PRIMARY KEY  (`employee_id`)
);
```

As you know that Php Codeigniter is popular for minimum configuration (almost Zero configuration) framework. To connect to database you need to provide username, password and database name configuration details in database.php file.

The config file is located at `"application/config/database.php"` . Like in my case my local mysql database setting is as below.

```php
$db['default']['hostname'] = "localhost";
$db['default']['username'] = "root";
$db['default']['password'] = "";
$db['default']['database'] = "technicalkeeda";

$db['default']['dbdriver'] = "mysql";
$db['default']['dbprefix'] = "";
$db['default']['pconnect'] = TRUE;
$db['default']['db_debug'] = TRUE;
$db['default']['cache_on'] = FALSE;
$db['default']['cachedir'] = "";
$db['default']['char_set'] = "utf8";
$db['default']['dbcollat'] = "utf8_general_ci";
```

"CodeIgniter is based on the Model-View-Controller development pattern."

As we are using Twitter bootstrap we need to add its respected css, Js and fonts files. To add these file in your Php codeigniter project create below directory structure.

```
bootstrap/
|--css/
|    ---bootstrap.css
|    ---bootstrap.min.css
|    ---bootstrap-theme.css
|    ---bootstrap-theme.min.css
|---js/
|    |---bootstrap.js
|    |---bootstrap.min.js
|---fonts/
     |---glyphicons-halflings-regular.eot
     |---glyphicons-halflings-regular.svg
     |---glyphicons-halflings-regular.ttf
     |---glyphicons-halflings-regular.woff
```

Php Codeigniter Controller Class

Home controller is the default controller class. With the help of this controller class we are going to navigate through different request like save, list employee etc.

```php
<?php
class Home extends Controller {

        function Home(){
                parent::Controller();
                $this->load->model('HomeModel');
        }


        public function index(){
                $this->load->view('index.php');
        }


        public function addemployee(){
                $this->load->view('addemployee.php');
        }


        public function save(){

                $firstName= ($this->input->post('firstName'));
                $lastName= ($this->input->post('lastName'));
                $email= ($this->input->post('email'));


                $employee = array(
                        'FIRST_NAME' => $firstName,
                        'LAST_NAME' => $lastName,
                        'EMAIL' => $email
                );

                $employeeId = $this->HomeModel->addEmployee($employee);
                $data['message'] =  "";
                if($employeeId){
```

```php
                        $data['message'] =  "Employee Saved Successfully!..";
                }
                $query = $this->HomeModel->getEmployee();

                if($query){
                        $data['EMPLOYEES'] =  $query;
                }
                $this->load->view('result.php', $data);
        }



        public function employeelist(){
                $query = $this->HomeModel->getEmployee();
                if($query){
                        $data['EMPLOYEES'] =  $query;
                }
                $this->load->view('result.php', $data);
        }

}
?>
```

Model Class

HomeModel Php class are used to communicate with your database. You can add different functions to insert, update, and retrieve your desired data. In our case I have added `getEmployee()` and `addEmployee()` function.

```php
<?php
class HomeModel extends Model {

        function HomeModel(){
                parent::Model();
        }


        function getEmployee(){
                $this->db->select("EMPLOYEE_ID,FIRST_NAME,LAST_NAME,EMAIL");
                $this->db->order_by("EMPLOYEE_ID", "asc");
                $this->db->from('trn_employee');
                $query = $this->db->get();
                return $query->result();
        }

        function addEmployee($employee=NULL){
                $this->db->insert('trn_employee', $employee);
                return $this->db->insert_id();
        }
}
?>
```

index.php

This is default view page of the project. When you try to access the project with the help of
(`"http://localhost/codeigniterexamples/"`) Url. index.php page is displayed with two buttons one is Add
Employee and another one is Employee List

```
<!DOCTYPE html>
<html lang="en">
        <head>
                <link href="<?= base_url();?>css/bootstrap.css" rel="stylesheet">
                <script src="<?= base_url();?>js/jquery.js"></script>
                <script src="<?= base_url();?>js/bootstrap.min.js"></script>
        </head>
        <body>
                <div class="container">
                        <div class="col-lg-10">
                        <fieldset>
                <legend>Select Your Option</legend>
                                <a href="<?= base_url();?>index.php/home/addemploy
                                <a href="<?= base_url();?>index.php/home/employeel
                        </fieldset>
        </div>
                </div>
        </body>
</html>
```

addemployee.php

When you click on Add Employee button on index.php. It opens the addemployee form. This form is design with the help of twitter bootstrap responsive web design framework.

```
base_url();?>index.php/home/save' method="post">
```

```
bel">First Name</label>

irstName" id="firstName" placeholder="First Name">




el">Last Name</label>

astName" id="lastName" placeholder="Last Name">




>Email</label>

mail" id="email" placeholder="Email">




ave</button> <a href="<?= base_url();?>index.php/home" class="btn btn-primary">Canc
```

Add Employee Information

First Name   [First Name   ]

Last Name   [Last Name   ]

Email   [Email   ]

[Save] [Cancel]

result.php

Result page is used to display the trn_employee table contents.

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <link href="<?= base_url();?>css/bootstrap.css" rel="stylesheet">
        <script src="<?= base_url();?>js/jquery.js"></script>
        <script src="<?= base_url();?>js/bootstrap.min.js"></script>
    </head>
    <body>
        <div class="container">
            <?php if(isset($message)){?>
            <div class="row">
                <div class="col-lg-12"><div class="alert alert-suc
            </div>
            <?php }?>
            <div class="row">
            <fieldset>
        <legend>Employee List</legend>
                    <div class="col-lg-12">
                        <table class="table table-hover table-bord
                        <tr>
                            <td class="text-center"><strong>#<
                        <td><strong>First Name</strong></td>
                        <td><strong>Last Name</strong></td>
                        <td><strong>Email</strong></td>
```

```
                                    </tr>
                                        <?php if(is_array($EMPLOYEES) && count($EN
                                            foreach($EMPLOYEES as $loop){
                                        ?>
                                    <tr>
                                        <td><?=$loop->EMPLOYEE_ID;?></td>
                                        <td><?=$loop->FIRST_NAME;?></td>
                                        <td><?=$loop->LAST_NAME;?></td>
                                        <td><?=$loop->EMAIL;?></td>
                                    </tr>
                                        <?php }
                                        }?>
                                    </table>
                                </div>
                            </fieldset>
                    </div>
                        </div>
                    </body>
        </html>
```

Employee List

#	First Name	Last Name	Email
30	Yashwant	Chavan	yashwantchavan@technicalkeeda.com
31	Mahesh	Patil	Mahesh.patil@technicalkeeda.com

Finish :)

Hope you enjoy this article, Please provide your comments if there is anything is missing! Thanks

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(Nov 27, 2014) **Saurabh** said:

> Hi, where is the download file for the all bootstrap files ?

(Oct 9, 2014) **Celson** said:

> Thanks. very good! :D

(July 18, 2014) **fitra** said:

> Thanks for your tutorial.
> How if I want create update form?
> Thx..

(June 11, 2014) **blndmnd** said:

> @blndmnd,
> Fixed. =)

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> Thanks for your tutorial. I just cant make it work, how should i name the home and
> model controllers?
> home.php an model.php in the controllers folder?

(Apr 10, 2014) **Nayanansu Kumar (http://techindyeah.com)** said: 1 👍

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> Thanks for this great tutorial. How about to insert timestamp user submitted form. So, I can know when the user submit their data. Pagination tutorial perhaps? thanks.
>
> Beny

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> I am looking for a video tutorial on this topic, i will have devoured the learning from this post, Thanks! If you can provide a video tutorial i will be very happy. Code be with you!!

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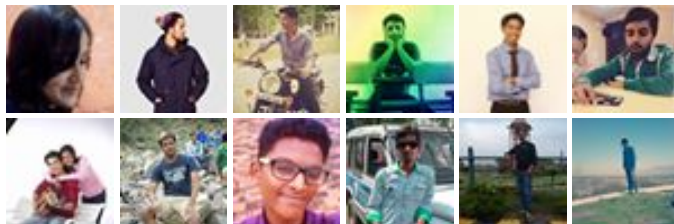**Find us on Facebook**

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