CONTROLLER

REGISTER.PHP

```php
<?php

defined('BASEPATH') OR exit('No direct script access allowed');

class Register extends CI_Controller
{
    public function __construct()
    {
        parent::__construct();
        //IST EIN USER IN DIESER SESSION EINGELOGGT -> PRIVATER BEREICH
        if ($this->session->userdata('id')) {
            redirect('private_area');
        }
        $this->load->helper(["form", "url"]);
        $this->load->library('form_validation');
        $this->load->model('register_model');
    }

    public function index()
    {
        $this->load->view("view_register");
    }

    public function validation()
    {
        //VALIDIERUNGSREGELN ANLEGEN
        $this->form_validation->set_rules("usernamereg", "Username", ['required']);
        $this->form_validation->set_rules("firstname", "First Name", ['required']);
        $this->form_validation->set_rules("lastname", "Last Name", ['required']);
        $this->form_validation->set_rules("password1reg", "Password", ['required',
'min_length[8]']);
        $this->form_validation->set_rules("password2reg", "Repeat", ['required',
'matches[password1reg]']);

        //VALIDIERUNGSREGELN WERDEN ERFÜLLT?
        if ($this->form_validation->run() != FALSE) {
            //ÜBERPRÜFUNG: GIBT ES USERNAMEN BEREITS?
            if (empty($this->register_model->exists($this->input->post('usernamereg')))) {
                //PASSWORT VERSCHLÜSSELN
                $encrypted_password = md5($this->input->post("password1reg"));
                $aData = [
                    'username' => $this->input->post('usernamereg'),
                    'firstname' => $this->input->post('firstname'),
                    'lastname' => $this->input->post('lastname'),
                    'password' => $encrypted_password
                ];
                //EINFÜGEN IN DATENBANK
                $this->register_model->insert($aData);
                echo "<p class='notify green'>Registration successful!</p>";
            }
            else
                echo "<p class='notify red'>Username already exists!</p>";
            $this->index();
        }
```

```php
      else {
          //FEHLERFALL: MITGABE EINGEGEBENER DATEN
          $aData = $aData = [
              'username' => $this->input->post('usernamereg'),
              'firstname' => $this->input->post('firstname'),
              'lastname' => $this->input->post('lastname'),
          ];
          $this->load->view("view_register", $aData);
      }
   }
}
```

LOGIN.PHP

```php
<?php

defined('BASEPATH') OR exit('No direct script access allowed');

class Login extends CI_Controller
{
   public function __construct()
   {
      parent::__construct();
      //IST EIN USER IN DIESER SESSION EINGELOGGT -> PRIVATER BEREICH
      if($this->session->userdata('id'))
      {
         redirect('private_area');
      }
      $this->load->library('form_validation');
      $this->load->model('login_model');
   }
   public function index()
   {
      $this->load->view('view_login');
   }

   public function validation()
   {
      //VALIDIERUNGSREGELN ANLEGEN
      $this->form_validation->set_rules("username", "Username",['required']);
      $this->form_validation->set_rules("password", "Password",['required']);

      //VALIDIERUNGSREGELN WERDEN ERFÜLLT?
      if($this->form_validation->run())
      {
         //ÜBERPRÜFUNG EINGABEDATEN MIT DB DATEN
         $result = $this->login_model->login($this->input->post('username'), $this->input->post('password'));
         if($result == '')
         {
            //KORREKTE DATEN
            redirect('private_area');
         }
         else
         {
            //INKORREKTE DATEN
            echo "<p class='notify red'>".$result."</p>";
            $this->index();
         }
      }
```

```php
        //FEHLERFALL: MITGABE EINGEGEBENER DATEN
        else {
            $aData = $aData = [
                'username' => $this->input->post('username'),
            ];
            $this->load->view("view_login", $aData);
        }
    }
}
```

PRIVATE_AREA.PHP

```php
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class Private_Area extends CI_Controller
{
    public function __construct(){
        parent::__construct();
        if(!$this->session->userdata('id'))
        {
            redirect('login');
        }
    }

    function index(){
        $this->load->view("view_private");
    }

    function logout(){
        //BEI LOGOUT WERDEN ALLE DATEN IN DER SESSION GELÖSCHT
        $data = $this->session->all_userdata();
        foreach($data as $row => $rows_value)
        {
            $this->session->unset_userdata($row);
        }
        redirect('login');
    }
}
```

MODEL

REGISTER_MODEL.PHP

```php
<?php


class Register_Model extends CI_Model
{
    function insert($aData)
    {
        $this->db->insert('user', $aData);
        return $this->db->insert_id();
    }

    function exists($sUsername)
    {
        $sQuery = "SELECT username FROM user WHERE username='".$sUsername."';";
        //durch Autoload der Library db Zugriff möglich
        $mResult = $this->db->query($sQuery);
        return $mResult->result();
    }
}
```

LOGIN_MODEL.PHP

```php
<?php


class Login_Model extends CI_Model
{
    function login($username, $password)
    {
        $this->db->where('username', $username);
        $query = $this->db->get('user');
        //ÜBERPRÜFUNG ÜBEREINSTIMMUNG USERNAME
        if($query->num_rows() > 0) {
            foreach ($query->result() as $row) {
                $store_password = md5($password);
                //ÜBERPRÜFUNG ÜBEREINSTIMMUNG PASSWORT
                if ($row->password == $store_password) {
                    $this->session->set_userdata('id', $row->userid);
                } else {
                    return 'Wrong Password!';
                }
            }
        }
        else
            return 'Wrong Username!';
    }
}
```

VIEW

VIEW_LOGIN.PHP

```php
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

if($this->session->userdata('id'))
    redirect('private_area');
else{
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>HÜ 7 - CodeIgniter</title>
    <link rel="stylesheet" type="text/css" href="<?=base_url();?>css/style.css"/>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
</head>
<body>


<div class="login_form">
    <div>
        <h3>Login:</h3>
        <?php
        //SERVERSEITIGE FORMULARVALIDIERUNG
        echo validation_errors();

        //LOGIN-FORM
        echo form_open(base_url().'index.php/login/validation');

        //Username
        echo form_label("Username:", "username");
        $usernameInput = array("value" => set_value("username"),
            "name" => "username",
            "id" => "username");
        echo (form_input($usernameInput)."<br>");

        //Password
        echo form_label("Password:", "password");
        $passwordInput = array(
            "name" => "password",
            "id" => "password");
        echo (form_password($passwordInput)."<br>");

        //Submit-Button
        $submitInput = array("value" => "Login",
            "class" => "login_button");
        echo form_submit($submitInput);

        echo form_close();
        ?>

        <a href="<?php echo base_url();?>index.php/register">Want to Register?</a>
    </div>
```

```php
</div>
</body>
</html>
<?php
}
?>
```

VIEW_REGISTER.PHP

```php
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

?><!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>HÜ 7 - CodeIgniter</title>
    <link rel="stylesheet" type="text/css" href="<?=base_url();?>css/style.css"/>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
</head>
<body>

<div class="registration_form">
    <div>
        <h3>Registration:</h3>
        <?php

        //SERVERSEITIGE FORMULARVALIDIERUNG
        echo validation_errors();

        //LOGIN-FORM
        echo form_open(base_url().'index.php/register/validation');

        //Username
        echo form_label("Username:", "usernamereg");
        $usernameInput = array("value" => set_value('usernamereg'),
            "name" => "usernamereg",
            "id" => "usernamereg");
        echo (form_input($usernameInput)."<br>");

        //Vorname
        echo form_label("First Name:", "firstname");
        $firstnameInput = array("value" => set_value('firstname'),
            "name" => "firstname",
            "id" => "firstname");
        echo (form_input($firstnameInput)."<br>");

        //Nachname
        echo form_label("Last Name:", "lastname");
        $lastnameInput = array("value" => set_value('lastname'),
            "name" => "lastname",
            "id" => "lastname");
        echo (form_input($lastnameInput)."<br>");

        //Password 1
        echo form_label("Password:", "password1reg");
        $password1Input = array(
            "name" => "password1reg",
            "id" => "password1reg");
        echo (form_password($password1Input)."<br>");
```

```php
    //Password 2
    echo form_label("Repeat:", "password2reg");
    $password2Input = array(
        "name" => "password2reg",
        "id" => "password2reg");
    echo (form_password($password2Input)."<br>");

    //Submit-Button
    $submitInput = array("value" => "Register",
        "class" => "reg_button");
    echo form_submit($submitInput);

    echo form_close();
    ?>

    <a href="<?php echo base_url();?>index.php/login">Want to Login?</a>
  </div>
</div>

</body>
</html>
```

VIEW_PRIVATE.PHP

```php
<?php
defined('BASEPATH') OR exit('No direct script access allowed');
?><!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="utf-8">
   <title>HÜ 7 - CodeIgniter</title>
   <link rel="stylesheet" type="text/css" href="<?=base_url();?>css/style.css"/>
   <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">
</head>
<body>

<h1 class="welcomeUser">Welcome! You are now logged in</h1>

<a href="<?php echo base_url()?>index.php/private_area/logout"
class="logout_button">Logout</a>

</body>
</html>
```

CSS

```css
body{
    height: 100vh;
    font-family: "Bahnschrift", sans-serif;
    box-sizing: border-box;
    background: url("../img/bg.jpg");
    display: flex;
    flex-wrap: wrap;
    gap: 5%;
    justify-content: center;
    align-items: center;
}

.welcome{
    width: 100%;
    background-color: #fff;
    text-align: center;
    color: #5e8949;
    padding: 10px;
    border-bottom: 8px solid #5e8949;
}

.welcomeUser{
    display: block;
    color: white;
    font-size: 40pt !important;
}

h1, h2{
    margin: 0;
    font-size: 28px !important;
}

.title{
    text-align: left;
    font-size: 18px !important;
}

.login_form, .registration_form{
    display: flex;
    justify-content: center;
    height: auto;
    padding: 20px 50px 5px 50px;
    background-color: white;
    width: 400px;
    border-radius: 10px;
}

.login_form p, .registration_form p{
    color: red;
}

.registration_form h3, .login_form h3{
    margin-bottom: 20px;
}
```

```css
.registration_form a, .login_form a{
    display: block;
    color: #5e8949;
    text-align: center;
    margin-bottom: 30px;
}

.registration_form a:hover, .login_form a:hover{
    color: #6eaa69;
    transition: 0.5s ease;
}

i{
     color: red;
}

.notify{
    display: block;
    width: 100vw;
     background-color: white;
     font-size: 20px;
    text-align: center;
    padding: 20px 0 20px 0;
}

.red{
     color: red;
}

.green{
     color: green;
}

form input, form a{
    box-sizing: border-box;
    border-radius: 5px;
    border: 1px solid #999;
    padding: 4px;
    outline: none;
}

.reg_button, .login_button, .logout_button{
    font-size: 1.1em;
    padding: 10px;
    font-family: Roboto, sans-serif;
    font-weight: 300;
    color: #fff;
    background-color: #5e8949;
    border-radius: 20px;
    cursor: pointer;
    margin-bottom: 2em;
    margin-top: 15px;
}

.toDoList{
    width: 100%;
    padding: 2%;
    display: flex;
    gap: 50px;
    flex-wrap: wrap;
    justify-content: center;
}
```

```css
.entry{
    display: flex;
    justify-content: space-evenly;
    flex-direction: column;
    background-color: #fff;
    color: #5e8949;
    padding: 30px;
    border-radius: 20px;
    font-size: 13px;
    width: 400px;
}

.entry h3{
    margin-bottom: 20px;
}

.status{
    background-color: #aaa;
    color: #fff;
    padding: 20px;
    text-transform: uppercase;
    margin-bottom: 20px;
    font-size: 15px;
    text-align: center;
}

.note{
    color: #aaa;
    font-size: 14px;
    margin-bottom: 20px;
}

.buttons{
    display: flex;
    justify-content: center;
    gap: 20px;
    text-align: center;
}

.delete, .edit, .finish{
    background-color: #aaa;
    color: #fff;
    padding: 10px;
    border-radius: 10px;
    cursor: pointer;
    font-size: 15px;
    border: none;
    width: 30%;
    text-decoration: none;
}

label{
    width: 100px;
}

input{
    display: inline-block;
    margin: 2px;
}

.error{
    border-color: red;
}
```

```css
.form-style-5{
    max-width: 500px;
    background: #f4f7f8;
    margin: 10px auto;
    padding: 20px;
    border-radius: 8px;
}
.form-style-5 fieldset{
    border: none;
}
.form-style-5 legend {
    font-size: 1.4em;
    margin-bottom: 10px;
}
.form-style-5 label {
    display: block;
    margin-bottom: 8px;
}
.form-style-5 input[type="text"],
.form-style-5 textarea{
    background: rgba(255,255,255,.1);
    border: none;
    border-radius: 4px;
    font-size: 15px;
    outline: 0;
    padding: 10px;
    width: 100%;
    box-sizing: border-box;
    -webkit-box-sizing: border-box;
    -moz-box-sizing: border-box;
    background-color: #e8eeef;
    color:#8a97a0;
    -webkit-box-shadow: 0 1px 0 rgba(0,0,0,0.03) inset;
    box-shadow: 0 1px 0 rgba(0,0,0,0.03) inset;
    margin-top: 20px;
}
.form-style-5 input[type="text"]:focus,
.form-style-5 textarea:focus{
    background: #d2d9dd;
}
.form-style-5 select{
    height:35px;
}
.form-style-5 .number {
    background: #5e8949;
    color: #fff;
    height: 30px;
    width: 30px;
    display: inline-block;
    font-size: 0.8em;
    margin-right: 4px;
    line-height: 30px;
    text-align: center;
    text-shadow: 0 1px 0 rgba(255,255,255,0.2);
    border-radius: 15px 15px 15px 0px;
}
```

```css
.form-style-5 input[type="submit"],
.form-style-5 input[type="button"]
{
    position: relative;
    display: block;
    padding: 19px 39px 18px 39px;
    color: #FFF;
    margin: 0 auto;
    background: #5e8949;
    font-size: 18px;
    text-align: center;
    font-style: normal;
    width: 100%;
    border: 1px solid #5e8949;
    border-width: 1px 1px 3px;
    margin-bottom: 10px;
}


.form-style-5 input[type="submit"]:hover,
.form-style-5 input[type="button"]:hover,
.delete:hover, .edit:hover, .finish:hover, .logout_button:hover,
.login_button:hover, .reg_button:hover{
    color: white;
    text-decoration: none;
    background: #6eaa69;
    transition: 0.5s ease;
}

.logout_button{
    font-size: 30pt !important;
    margin-bottom: 0;
    background-color: whitesmoke;
    color: #5e8949;
}
```

GEÄNDERTE DATEIEN (CONFIG)

Habe hier teilweise nur Ausschnitte reingegeben, damit ersichtlicher wird, was ich geändert habe 😊

DATABASE.PHP

```php
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

*/
$active_group = 'default';
$query_builder = TRUE;

$db['default'] = array(
    'dsn'   => '',
    'hostname' => 'localhost',
    'username' => 'kwm226_ue07_schickmair',
    'password' => '.kwm.',
    'database' => 'kwm226_ue07_schickmair',
    'dbdriver' => 'mysqli',
    'dbprefix' => '',
    'pconnect' => FALSE,
    'db_debug' => (ENVIRONMENT !== 'production'),
    'cache_on' => FALSE,
    'cachedir' => '',
    'char_set' => 'utf8',
    'dbcollat' => 'utf8_general_ci',
    'swap_pre' => '',
    'encrypt' => FALSE,
    'compress' => FALSE,
    'stricton' => FALSE,
    'failover' => array(),
    'save_queries' => TRUE
);
```

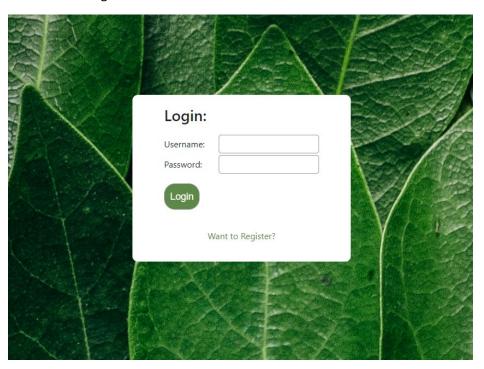# CONFIG.PHP

```php
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

/*
|--------------------------------------------------------------------------
| Base Site URL
|--------------------------------------------------------------------------
|
| URL to your CodeIgniter root. Typically this will be your base URL,
| WITH a trailing slash:
|
|   http://example.com/
|
| WARNING: You MUST set this value!
|
| If it is not set, then CodeIgniter will try guess the protocol and path
| your installation, but due to security concerns the hostname will be set
| to $_SERVER['SERVER_ADDR'] if available, or localhost otherwise.
| The auto-detection mechanism exists only for convenience during
| development and MUST NOT be used in production!
|
| If you need to allow multiple domains, remember that this file is still
| a PHP script and you can easily do that on your own.
|
*/
$config['base_url'] = 'http://localhost/SWP/HUE07';
```

AUTOLOAD.PHP

```php
<?php
defined('BASEPATH') OR exit('No direct script access allowed');


/*
| -------------------------------------------------------------------
|  Auto-load Libraries
| -------------------------------------------------------------------
| These are the classes located in system/libraries/ or your
| application/libraries/ directory, with the addition of the
| 'database' library, which is somewhat of a special case.
|
| Prototype:
|
|   $autoload['libraries'] = array('database', 'email', 'session');
|
| You can also supply an alternative library name to be assigned
| in the controller:
|
|   $autoload['libraries'] = array('user_agent' => 'ua');
*/
$autoload['libraries'] = array("session","database");


/*
| -------------------------------------------------------------------
|  Auto-load Helper Files
| -------------------------------------------------------------------
| Prototype:
|
|   $autoload['helper'] = array('url', 'file');
*/
$autoload['helper'] = array('url', 'form');
```

ROUTES.PHP

```php
<?php
defined('BASEPATH') OR exit('No direct script access allowed');


$route['default_controller'] = 'login';
$route['404_override'] = '';
$route['translate_uri_dashes'] = FALSE;
```
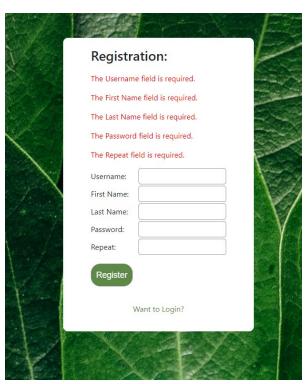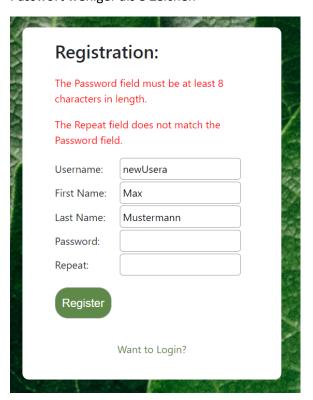
TESTFÄLLE

Startansicht: Login Seite
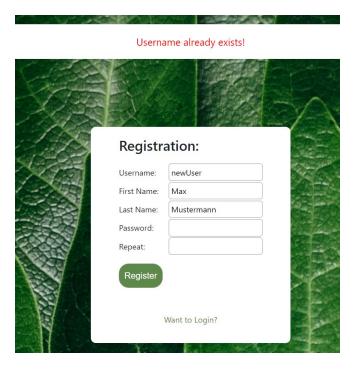

Ansicht Register-Seite

Leere Eingabe Registration
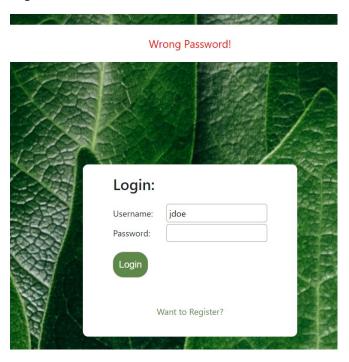

Passwort weniger als 8 Zeichen
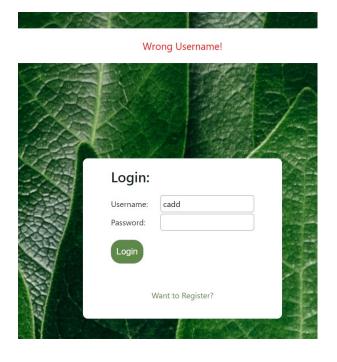
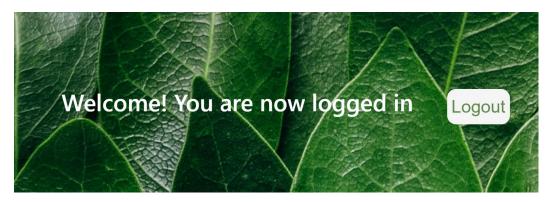## Username bereits vorhanden

Korrekte Registrierung

Login: Falsches Passwort

Login: Falscher Username

Erfolgreicher Login

Logout → zurück zur Login Seite

Erfolgreicher Login