

FACULTATEA CALCULATOARE, INFORMATICĂ ȘI MICROELECTRONICĂ

UNIVERSITATEA TEHNICĂ A MOLDOVEI

MEDII INTERACTIVE DE DEZVOLTARE A PRODUSELOR SOFT

LUCRARE DE LABORATOR #4

Web development

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1. Obiectivele lucrării

- a) Realizarea unui simplu Web Site personal
- b) Familiarizarea cu HTML si CSS
- c) Interactiuni Javascript

2. Efectuarea lucrării de laborator

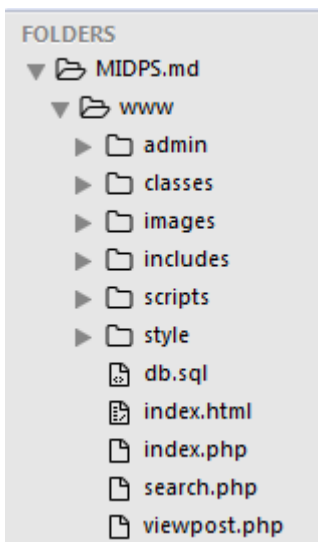
2.1. Task-uri implementate

- Site-ul trebuie sa contina AJAX Requests.
- Site-ul trebuie sa pastreze toata informatia intr-o baza de date

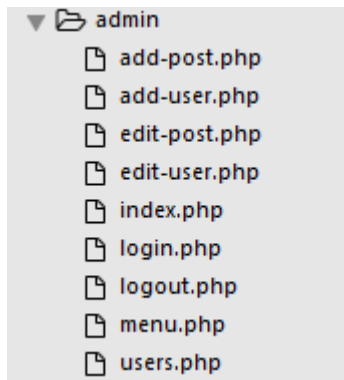
2.2. Realizarea lucrării de laborator

In aceasta lucrare de laborator am realizat un mini CMS pentru administrarea unui blog.

Structura lui estea urmatoarea:



➤ admin



In folderul respectiv se contine toata informatia referitoare la blocul de administrare a blogului.

A screenshot of a login form. It has two input fields: 'Username' and 'Password'. Each field has a small icon with three dots to its right. Below the fields is a 'Login' button.

Blog

[Blog](#) [Users](#) [View Website](#) [Logout](#)

Post added.

Title	Date	Action
Find a Coding Buddy to Make Learning Easier and More Fun	31st Mar 2016	Edit Delete
CSS Button Style: Draped Background Effect	30th Mar 2016	Edit Delete

[Add Post](#)

➤ classes

Clasa class.user.php raspunde de logarea si delogarea utilizatorului
P.S Adaugarea unui user o poate face doar Administratorul

```
public function login($username,$password){  
    $hashed = $this->get_user_hash($username);  
    if($this->password_verify($password,$hashed) == 1){  
        $_SESSION['loggedin'] = true;  
        return true;  
    }  
}  
  
public function logout(){  
    session_destroy();  
}
```

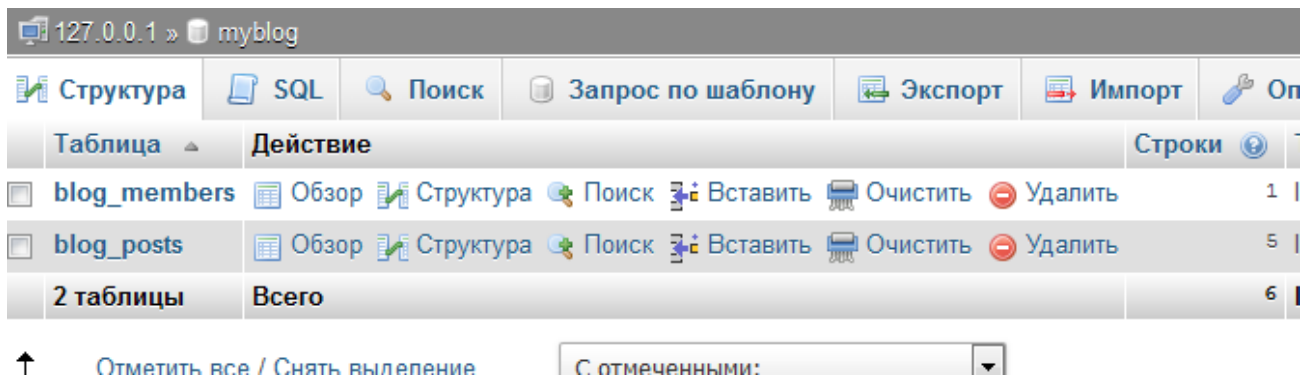
class.password.php contine functii referitoare la lucru cu parole : hash, rehash, verify

```
*/  
public function password_verify($password, $hash) {  
    if (!function_exists('crypt')) {  
        trigger_error("Crypt must be loaded for password_verify to function", E_USER_WARNING);  
        return false;  
    }  
    $ret = crypt($password, $hash);  
    if (!is_string($ret) || strlen($ret) != strlen($hash) || strlen($ret) <= 13) {  
        return false;  
    }  
    $status = 0;  
    for ($i = 0; $i < strlen($ret); $i++) {  
        $status |= (ord($ret[$i]) ^ ord($hash[$i]));  
    }  
    return $status === 0;  
}  
}
```

➤ includes

Folderul respectiv contine doar fisierul config.php in care este setata
conexiunea cu baza de date.

```
<?php  
ob_start();  
session_start();  
  
//database credentials  
define('DBHOST','localhost');  
define('DBUSER','root');  
define('DBPASS','');  
define('DBNAME','myblog');  
  
$db = new PDO("mysql:host=".DBHOST.";dbname=".DBNAME, DBUSER, DBPASS);  
$db->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
```



➤ styles

Contine 3 fisiere CSS.

- main.css care raspunde de stilul general al blogului

```
.search-form {
    top: 200px;
    margin-left: 870px;
}

#top{
    margin:auto;
    width:1000px;
    margin-left: 230px;
}

#wrapper {
    position: absolute;
    left: 20px;
    top: 80px;
    width:600px;
    padding-bottom: 50px;
    margin-left: 230px;
}
```

- normalize.css care corecteaza unele stiluri care nu sunt suportate de unele browsere

```
/*
 * Corrects `block` display not defined in IE6/7/8/9 & FF3.
 */
article,
aside,
details,
figcaption,
figure,
footer,
header,
hgroup,
nav,
section,
summary {
    display: block;
}

/*
 * Corrects `inline-block` display not defined in IE6/7/8/9 & FF3.
 */
audio,
canvas,
video {
    display: inline-block;
    *display: inline;
    *zoom: 1;
}
```

- style.css in care sunt setarile formei de cautare in blog

```
#main* #mainHTML5 #maindisplay-role reset for older browsers */
#main article, aside, details, figcaption, figure, footer, header, hgroup, menu, nav, section {
    display: block;
}
#main body {
    line-height: 1;
}
#main ol, ul {
    list-style: none;
}
#main blockquote, q {
    quotes: none;
}
#main blockquote:before, blockquote:after, q:before, q:after {
    content: '';
    content: none;
}
#main table {
    border-collapse: collapse;
    border-spacing: 0;
}
```

Pentru a evita confictele dintre CSS , in stilul formei am sfecificat ca stilul dat se aplica doar blocurilor cu identificatorul **main**.

```
<div id="main">

    <!-- Main Title -->
    <div class="icon"></div>

    <!-- Main Input -->
    <input type="text" id="search" autocomplete="off">

    <!-- Show Results -->
    <h4 id="results-text">Showing results for: <b id="search-string">Array</b></h4>
    <ul id="results"></ul>

</div>
```

Cu ajutorul AJAX am implementat un “live search ” pe blog.

Blog

Find a Coding Buddy to Make Learning Easier and More Fun

Posted on 31st Mar 2016 08:06:19

There are plenty of [resources for learning to code](#), but none is better than a real person who can explain concepts to you, brainstorm logic with you, and answer questions for you. This is why, whether you're an experienced programmer or a complete beginner, you should get a coding buddy.

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CSS Button Style: Draped Background Effect

Posted on 30th Mar 2016 20:08:54

These CSS buttons are endowed with a partially transparent background that “drapes” into view when the mouse rolls over them, creating a sleek, polished look. The “drape” is rendered using a `:after` pseudo element with rounded corners that glide into view thanks to CSS3 transitions.

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CSS



Showing results for: css

These `css` buttons are endowed with a partially transparent background that “drapes” into view when the mouse rolls over them, creating a sleek, polished look. The “drape” is rendered using a `:after` pseudo element with rounded corners that glide into view thanks to CSS3 transitions.
`css` Button Style: Draped Background Effect

Este compus din 3 fisiere.

- `index.html` – fisierul cu forma de cautare

```
<!DOCTYPE HTML>
<html>
<head>
  <!-- Meta -->
  <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">
  <title>Live Search Tutorial</title>
  <meta name="description" content="">
  <meta name="viewport" content="width=device-width">
  <link rel="icon" href="favicon.ico" type="image/x-icon">
  <!-- Load CSS -->
  <link href="style/style.css" rel="stylesheet" type="text/css" />
</head>
<body>
```

- `search.php` - fisierul care se ocupa cu cautarea informatiei in baza de date

```
// Get Search
$search_string = preg_replace("/[^A-Za-z0-9]/", " ", $_POST['query']);
$search_string = $search_db->real_escape_string($search_string);

// Check Length More Than One Character
if (strlen($search_string) >= 1 && $search_string != ' ') {
  // Build Query
  $query = 'SELECT * FROM blog_posts WHERE postCont LIKE "%'.$search_string.'" OR postTitle LIKE "%'.$search_string.'"';

  // Do Search
  $result = $search_db->query($query);
  while($results = $result->fetch_array()) {
    $result_array[] = $results;
  }
}
```

- custom.js –scriptul propriu-zis

```
// Do Search
if (search_string == '') {
    $("ul#results").fadeOut();
    $('h4#results-text').fadeOut();
}else{
    $("ul#results").fadeIn();
    $('h4#results-text').fadeIn();
    $(this).data('timer', setTimeout(search, 100));
};
```

Fisierul *viewpost.php* raspunde de afisarea unui singur articol

Blog

[Blog Index](#)

Find a Coding Buddy to Make Learning Easier and More Fun

Posted on 31st Mar 2016



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Concluzie:

In urma efectuării acestei lucrări mi-am aprofundat cunoștințele în domeniul web-dewelopement-ului. Cu ajutorul PHP+HTML+AJAX + MySQL am realizat un micro CMS pentru administrarea unui blog. Puteam adăuga, edita, șterge articole de pe blogul nostru. Toată informația se conține în baza de date.

Cu ajutorul AJAX am realizat un model de “live search” în blogul nostru.

Am intilnit probleme la realizarea stilului pagini si formei de cautare. Ca rezolvare a problemei am separate stilul formei de cel general si totodata adaugind identificatorul “main”. Astfel stilul se aplica doar blocurilor cu acest identificator.

Pentru lucru am utilizat editorul de text : Sublime Text si Brackets. Brackets in special pentru functia lui de live preview care este foarte comoda la lucrul cu CSS.

Bibliografie:

1. https://www.youtube.com/playlist?list=PLmRNNqEA7JoM_Xp2EI24IVXt8MyXu0r16
2. <http://tutorialzine.com/2013/03/simple-php-blogging-system/>
3. <http://learningphp.org/php/Create-blogs-using-PHP-and-MySQL>