


Εκπαιδευτικά Περιβάλλοντα Διαδικτύου

KRISTI CAMI 3882

Η εργασία φιλοξενείται στο ιστοχώρο <https://tsamikristi.webpages.auth.gr/3882partB/>

Η πρώτη σελίδα που συναντάει ο χρήστης όταν επισκέπτεται τον σύνδεσμο είναι μια σελίδα πιστοποίησης. Στην σελίδα αυτήν ο χρήστης πρέπει να είναι πιστοποιημένος ώστε να έχει πρόσβαση στο περιεχόμενο.



Username

Password

Login

Στη βάση δεδομένων student3882.sql υπάρχουν πιστοποιημένοι οι παρακάτω χρήστες

name	surname	loginame	password	role	▼ 1
tutor	csd	tutor@csd.auth.test.gr	0000	Tutor	
student	csd	student@csd.auth.test.gr	0000	Student	
kris	cami	celn.christy@gmail.com	0000		

Όπως θα δούμε και παρακάτω αναλυτικότερα όταν ένα πιστοποιημένος χρήστης έχει role 'Tutor' τότε έχει δικαιώματα για προσθήκη/διαγραφή και επεξεργασία χρηστών.

Στην παρακάτω περίπτωση εκτέλεσης θα συνδεθούμε με Tutor χρήστη


Username: tutor@csd.auth.test.gr

Password: 0000

Αφού γράψουμε σωστά τα στοιχεία θα μας εμφανιστή η σελίδα **homepage.php**

[Homepage](#) [Announcement](#) [Communication](#) [Documents](#) [Homework](#)

Welcome
Lorem ipsum dolor sit amet consectetur, adipisicing elit. Beatae ratione eaque eligendi ipsa sit commodi asperiores porro odit eius dolorum, maxime, quia corporis adipisci sunt nobis nostrum perferendis, inventore culpa. Dolorem laudantium, aperiam reiciendis aliquid, explicabo reprehenderit temporibus blanditiis dicta possimus amet repellendus deleniti adipisci voluptates, repellat incididunt. Nesciunt quae esse eaque fuga ducimus quasi. Nemo sed aliquam quasi deserunt. Obcaecati maiores tempora sapiente voluptates debitis accusantium error distinctio inventore ipsa aut perspiciatis sequi ad nisi voluptatibus labore magnam, saepe sunt laboriosam commodi? Asperiores architecto quisquam nihil suscipit, magnam quibusdam. Iure aspernatur officia natus ex blanditiis dolorem accusamus quidem, nisi perferendis sint eveniet nesciunt nam error, magni illo laborum a magnam earum velit temporibus maxime autem! Molestiae distinctio id voluptate. Ea, harum a fugit magni quibusdam voluptas, explicabo tenetur suscipit atque hic doloribus officiis facilis rerum totam maxime optio qui iure quas, incididunt voluptatum aperiam! Beatae ab quasi reiciendis magnam? Nesciunt, aperiam doloribus ullam possimus laborum distinctio sequi numquam praesentium consequatur architecto cupiditate, corrupti repudiandae at ducimus pariatur nulla fuga harum ut in id animi, quidem inventore mollitia quaerat. Voluptatem.



Tutor Options:
[Delete Users](#)
[Update Users](#)
[Add User](#)

Στην σελίδα αυτήν είναι σημαντικό να διακρίνουμε ότι αφού συνδεθήκαμε με χρήστη Tutor μας εμφανίζονται και τα ανάλογα **Tutor Options (Delete Users, Update Users, Add Users)**

Παρακάτω θα επισκεφτούμε την σελίδα με της ανακοίνωσης (**announcement.php**)

[Homepage](#) [Announcement](#) [Communication](#) [Documents](#) [Homework](#)

Anakoinwsi 2
Date: 2056-10-02
Subject: Lorem Ipsum
It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).

Anakoinwsi 1
Date: 2008-12-12
Subject: enarksi mathmaton
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

Anakoinwsi 2
Date: 2002-12-03
Subject: Lorem Ipsum
It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).

Tutor Options:
[Delete Announcement](#)
[Update Announcement](#)
[Add Announcement](#)

Στην σελίδα αυτήν ο χρήστης (Tutor) επίσης έχει παραπάνω δυνατότητες. Η ανακοίνωσης εμφανίζονται δυναμικά και είναι όλες αποθηκευμένες στην βάση δεδομένων student3882.sql

[Homepage](#) [Announcement](#) [Communication](#) [Documents](#) [Homework](#)

Communication Page

Sender Email:

Title:

Main Content:

Send Email

Alternatively you can send an e-mail to the e-mail address below tutor@csd.auth.test.gr

Στην σελίδα επικοινωνίας ο χρήστης έχει την δυνατότητα να στείλει email σε όλους τους πιστοποιημένους χρήστες. Παρακάτω θα αναφερθούν λεπτομερείς για την υλοποίηση.

Ανάλογα παρακάτω παρουσιάζονται οι σελίδες έγγραφα μαθήματος και εργασίες

[Homepage](#) [Announcement](#) [Communication](#) [Documents](#) [Homework](#)

Number: 1

What is Lorem Ipsum?

Description: Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

Position: Download

Number: 2

Why do we use it?

Description: It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).

Position: Download

Number: 3

Where does it come from?

Description: Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero, written in 45 BC. This book is a treatise on the theory of ethics, very popular during the Renaissance. The first line of Lorem Ipsum, "Lorem ipsum dolor sit amet..", comes from a line in section 1.10.32.

Position: Download

Tutor Options:

[Delete Document](#)
[Update Document](#)
[Add Document](#)

[Homepage](#) [Announcement](#) [Communication](#) [Documents](#) [Homework](#)

de Finibus Bonorum et Malorum

Subject: Section 1.10.33 of "de Finibus Bonorum et Malorum", written by Cicero in 45 BC

Homework Text: "At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi sint occaecati cupiditate non provident, similique sunt in culpa qui officia deserunt mollitia animi, id est laborum et dolorum fuga. Et harum quidem rerum facilis est et expedita distinctio. Nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit quo minus id quod maxime placeat facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet ut et voluptates repudiandae sint et molestiae non recusandae. Itaque earum rerum hic tenetur a sapiente delectus, ut aut reiciendis voluptatibus maiores alias consequatur aut perferendis doloribus asperiores repellat."

Delivery Text: 2056/03/12

Date: 2024-01-31

1914 translation by H. Rackham

Subject: H. Rackham

Homework Text: "But I must explain to you how all this mistaken idea of denouncing pleasure and praising pain was born and I will give you a complete account of the system, and expound the actual teachings of the great explorer of the truth, the master-builder of human happiness. No one rejects, dislikes, or avoids pleasure itself, because it is pleasure, but because those who do not know how to pursue pleasure rationally encounter consequences that are extremely painful. Nor again is there anyone who loves or pursues or desires to obtain pain of itself, because it is pain, but because occasionally circumstances occur in which toil and pain can procure him some great pleasure. To take a trivial example, which of us ever undertakes laborious physical exercise, except to obtain some advantage from it? But who has any right to find fault with a man who chooses to enjoy a pleasure that has no annoying consequences, or one who avoids a pain that produces no resultant pleasure?"

Delivery Text: 2024/03/04

Date: 2024-01-25

Tutor Options:

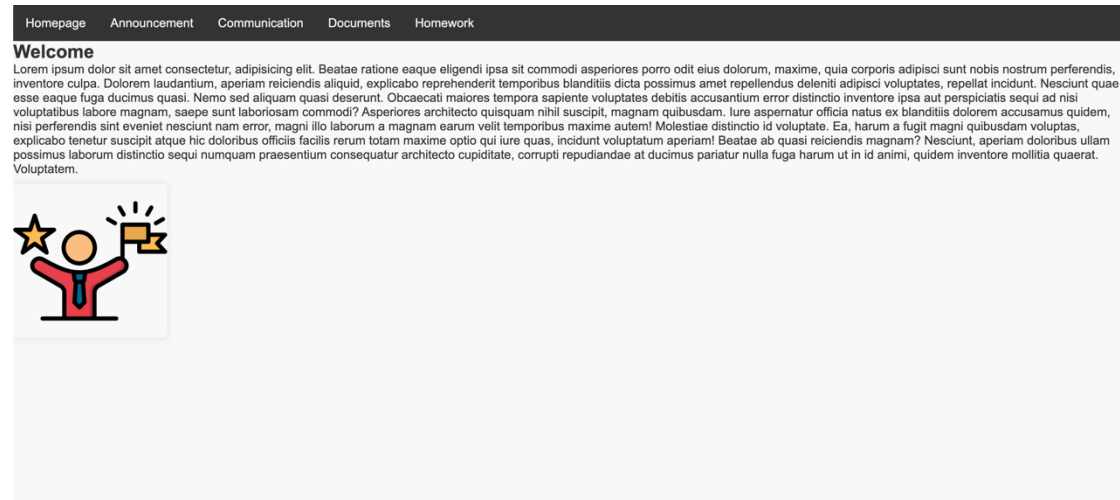
[Delete Homework](#)
[Update Homework](#)
[Add Homework](#)

Στην περίπτωση που συνδεθούμε με έναν χρήστη ο οποίος έχει role ‘Student’ η μονή αλλαγή που θα δούμε είναι να μην εμφανίζεται το Tutor Options

Παράδειγμα διαφορετικής εισόδου από χρήστη Student

Username: student@csd.auth.test.gr

Password: 0000



Παραπάνω τεχνικές λεπτομέρειες για την υλοποίηση του κώδικα

Αρχίζοντας από την βάση δεδομένων παρακάτω παρουσιάζετε το configuration file (db_Con.php) ώστε να επιτευχθεί η σύνδεση μεταξύ κώδικα και της βάσης δεδομένων.

```
$host = "webpagesdb.it.auth.gr:3306";
$dbUser = "tsamikristi";
$dbPassword = "admin123";
$dbName = "loginpage";
$conn = mysqli_connect($host, $dbUser, $dbPassword, $dbName);
if (!$conn) {
    die("something went wrong");
}
```

Έχει ενδιαφέρον επίσης να εξετάσουμε πως λειτουργεί το communication.php εσωτερικά. Για να επιτευχθεί η λειτουργικότητα της αποστολής email χρησιμοποιήθηκε το PHPMailer (<https://github.com/PHPMailer/PHPMailer>)

```
// Handle form submission
if ($_SERVER['REQUEST_METHOD'] == "POST") {
    if (isset($_POST['sender_email']) && isset($_POST['title']) && isset($_POST['content'])) {
        $senderEmail = $_POST['sender_email'];
        $title = $_POST['title'];
        $content = $_POST['content'];

        // Send email to all users
        sendEmailToAllUsers($conn, $senderEmail, $title, $content);

        // Display success message
        echo "<p>Email sent successfully to all users.</p>";
    }
}
```

Εκτελώντας της οδηγίες από τον παραπάνω σύνδεσμο έχουν προστεθεί ο φάκελος **vendor** και τα αρχεία **composer.json**, **composer.lock**.

Ένα άλλο σημείο που έχει ενδιαφέρον να αναλυθεί είναι πως ο κώδικας καταλαβαίνει αν ο χρήστης είναι Student ή Tutor.

```
// Display additional options for Tutors
if ($role == 'Tutor') {
    echo "<div>";
    echo "<h3>Tutor Options:</h3>";
    echo "<ul>";
    echo "<li><a href='users/delete_user.php'>Delete Users</a></li>";
    echo "<li><a href='users/update_user.php'>Update Users</a></li>";
    echo "<li><a href='users/add_user.php'>Add User</a></li>";
    echo "</ul>";
    echo "</div>";
}
```

Επίσης στον κώδικα υπάρχουν συγκεκριμένες εντολές που δεν επιτρέπουν σε κάποιον χρήστη να επισκεφτεί της ιστοσελίδες χωρίς πρώτα να έχει κάνει Login.

```
// Check if the user is logged in
if (!isset($_SESSION['loginname'])) {
    header("Location: /index.php"); // Redirect to the login page if not logged in
    exit();
}
```

Παρακάτω μπορούμε να δούμε εσωτερικά πως επιτυγχάνετε μια νέα εισαγωγή χρήστη

```
// Get user details from the form
$newName = $_POST["newName"];
$newSurname = $_POST["newSurname"];
$newUsername = $_POST["newUsername"];
$newPassword = $_POST["newPassword"];
$newRole = $_POST["newRole"];

// Use prepared statement to insert new user
$sql = "INSERT INTO users (name, surname, loginname, password, role) VALUES (?, ?, ?, ?, ?)";
$stmt = mysqli_prepare($conn, $sql);

if ($stmt === false) {
    die("Error in prepared statement: " . mysqli_error($conn));
}

// Bind parameters and execute the statement
mysqli_stmt_bind_param($stmt, "sssss", $newName, $newSurname, $newUsername, $newPassword, $newRole);
mysqli_stmt_execute($stmt);
```

Όλα τα παραπάνω είναι μια συνοπτική αναφορά για την εργασία που υλοποιήθηκε. Παραπάνω λεπτομέρειες βρίσκονται σε σχόλια μέσα στον κώδικα.