User Authentication

Web Programming
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authentication method

- Basic authentication
- User & password stored in database
Basic authentication

- We hard code the username and password combination in the login script itself. Suitable for simple application.
- With this basic authentication method we store the user information (user id and password) directly in the script.
- This is only good if the application only have one user since adding more user means we must also add the new user id and password in the script.
Example

<table>
<thead>
<tr>
<th>User Id</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Password</td>
<td></td>
</tr>
</tbody>
</table>

[Login]
Code login.php
- Make sure that the form method is set to **post** since we certainly don't want to show up the user id and password in the address bar.
- We simply check if the user id and password exist in $_POST and check if these two match the hardcoded user id and password.
If the submitted user id and password match these two then we set the value of 
$_SESSION['basic_is_logged_in']" to true. After that we move the application's main page. In this case it's called main.php
If the user id and password don't match we set the error message. This message will be shown on top of the login form.
Checking if the user is logged in or not

- Since the application main page, main.php, can only be accessed by those who already authenticated themselves we must check that before displaying the page.
- \$_SESSION['basic_is_loged_in'] is set or not.
If $_SESSION['basic_isLogged_in'] is set and it's value is true then we can continue showing the rest of the page.
<?php
// like i said, we must never forget to start the session
session_start();

// is the one accessing this page logged in or not?
if (!isset($_SESSION['basic_is_logged_in']) || $_SESSION['basic_is_logged_in'] !== true) {
    // not logged in, move to login page
    header('Location: login.php');
    exit;
}

<!DOCTYPE html>
<html>
<head>
<title>Main User Page</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head>

<body>
<p>This is the main application page. You are free to play around here since you are an authenticated user :-) </p>
<p>&nbsp;</p>
<p><a href="logout.php">Logout</a> </p>
</body>
</html>
The Logout Script

- check if $_SESSION['basic_is.logged.in'] is already set or not and check whether it's value is true. Using this information we can build the logout script to simply unset this session or set the session value to false.
```php
// i will keep yelling this
// DON'T FORGET TO START THE SESSION !!!
session_start;

// if the user is logged in, unset the session
if (isset($_SESSION['basic_is_logged_in'])) {
    unset($_SESSION['basic_is_logged_in']);
}

// now that the user is logged out,
// go to login page
header('Location: login.php');
?>
```
Login Using Database

- Buat database user → tbl_auth_user

```sql
CREATE TABLE `tbl_auth_user` (  
  `user_id` varchar(10) NOT NULL default '',  
  `user_password` varchar(32) NOT NULL default '',  
  PRIMARY KEY (`user_id`)
);
```
Contoh script di file DOC

- Session-login.doc
FINISH
Tugas

- Buat Kelompok 2 Orang.
- Buat Proposal Final Project kuliah Web Application !!!