

Lab 10. Maintaining state through multiple form

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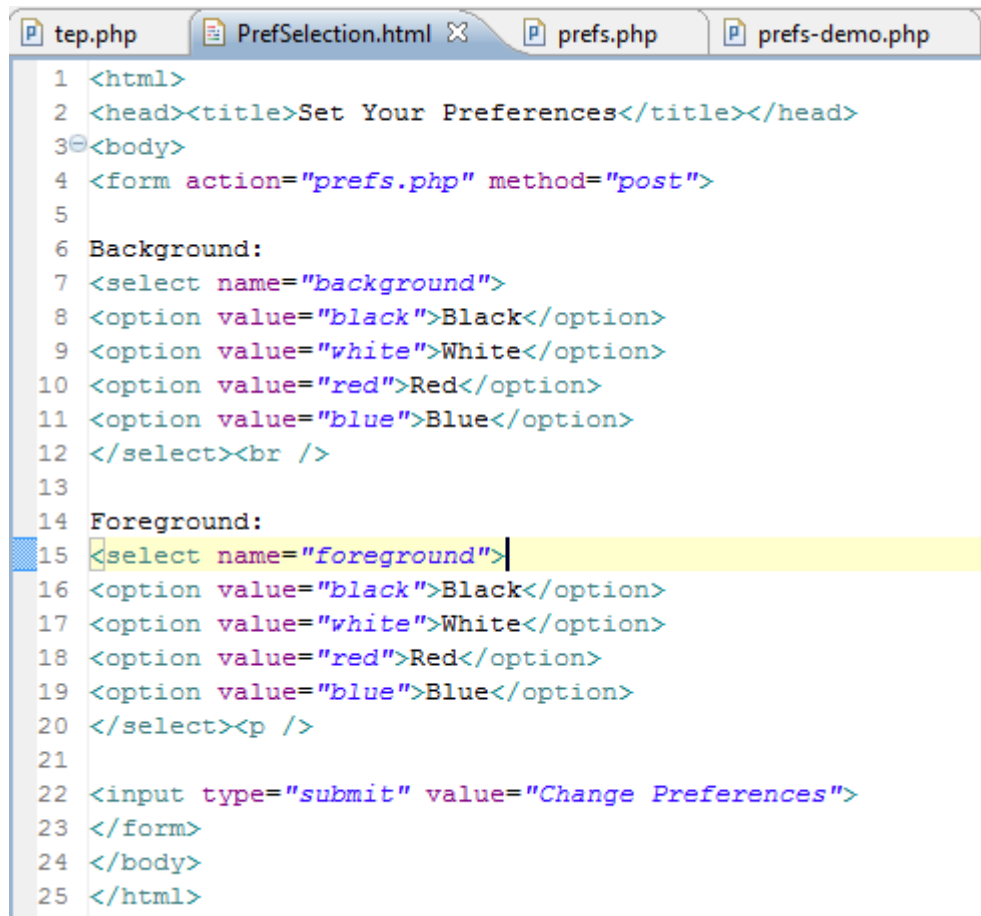
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10.1. Run the example in lecture slides

1. Using Hidden fields: Happy Harry's Hardware Product Order: order.html, order2.php, order3.php.
2. Using Browser cookies: survey.html, setcookie.php, readcookie.php
3. PHP session: ordersession.php, sessions2order.php, sessions3order.php

10.2. Preference selection using COOKIE

Step 1. PrefSelection.html



```
1 <html>
2 <head><title>Set Your Preferences</title></head>
3 <body>
4 <form action="prefs.php" method="post">
5
6 Background:
7 <select name="background">
8 <option value="black">Black</option>
9 <option value="white">White</option>
10 <option value="red">Red</option>
11 <option value="blue">Blue</option>
12 </select><br />
13
14 Foreground:
15 <select name="foreground">
16 <option value="black">Black</option>
17 <option value="white">White</option>
18 <option value="red">Red</option>
19 <option value="blue">Blue</option>
20 </select><p />
21
22 <input type="submit" value="Change Preferences">
23 </form>
24 </body>
25 </html>
```

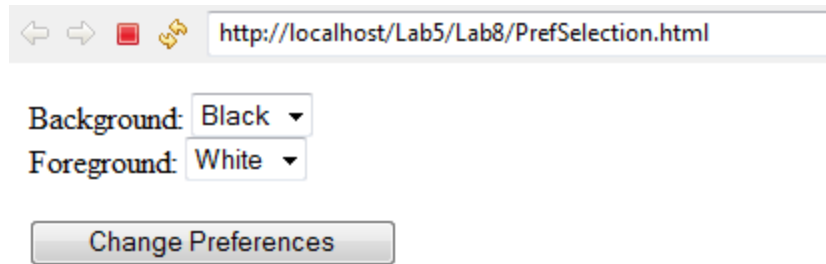
Step 2. Prefs.php

```
tep.php  PrefSelection.html  prefs.php  prefs-demo.php
1  <?php
2  $colors = array('black' => '#000000',
3                  'white' => '#ffffff',
4                  'red'   => '#ff0000',
5                  'blue'  => '#0000ff');
6
7  $bg_name = $_POST['background'];
8  $fg_name = $_POST['foreground'];
9
10  setcookie('bg', $colors[$bg_name]);
11  setcookie('fg', $colors[$fg_name]);
12  ?>
13  <html>
14  <head><title>Preferences Set</title></head>
15  <body>
16
17  Thank you. Your preferences have been changed to:<br />
18  Background: <?= $bg_name ?><br />
19  Foreground: <?= $fg_name ?><br />
20
21  Click <a href="prefs-demo.php">here</a> to see the preferences
22  in action.
23
24  </body>
25  </html>
```

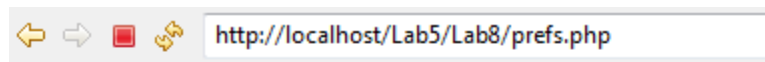
Step 3. prefs-demo.php

```
tep.php  PrefSelection.html  prefs.php  prefs-demo.php
1  <html>
2  <head><title>Front Door</title></head>
3  <?php
4  $bg = $_COOKIE['bg'];
5  $fg = $_COOKIE['fg'];
6  ?>
7  <body bgcolor="<?= $bg ?>" text="<?= $fg ?>">
8  <h1>Welcome to the Store</h1>
9
10  We have many fine products for you to view. Please feel free to browse
11  the aisles and stop an assistant at any time. But remember, you break it
12  you bought it!<p>
13
14  Would you like to <a href="PrefSelection.html">change your preferences?</a>
15
16  </body>
17  </html>
```

Step 4. Result

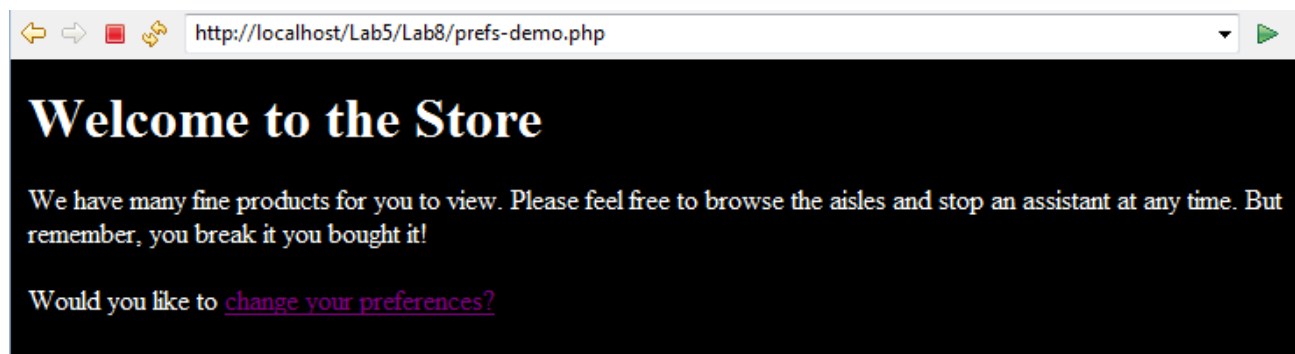


A web browser window with the address bar showing `http://localhost/Lab5/Lab8/PrefSelection.html`. The page contains two dropdown menus: "Background:" with "Black" selected and "Foreground:" with "White" selected. Below these is a button labeled "Change Preferences".



A web browser window with the address bar showing `http://localhost/Lab5/Lab8/prefs.php`. The page displays a confirmation message: "Thank you. Your preferences have been changed to: Background: black Foreground: white Click [here](#) to see the preferences in action."

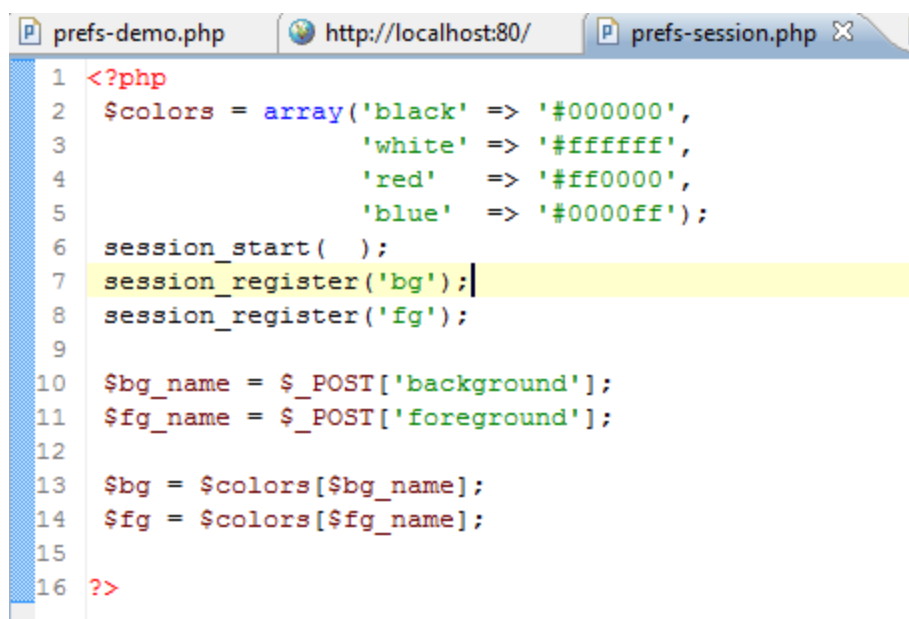
Thank you. Your preferences have been changed to:
Background: black
Foreground: white
Click [here](#) to see the preferences in action.



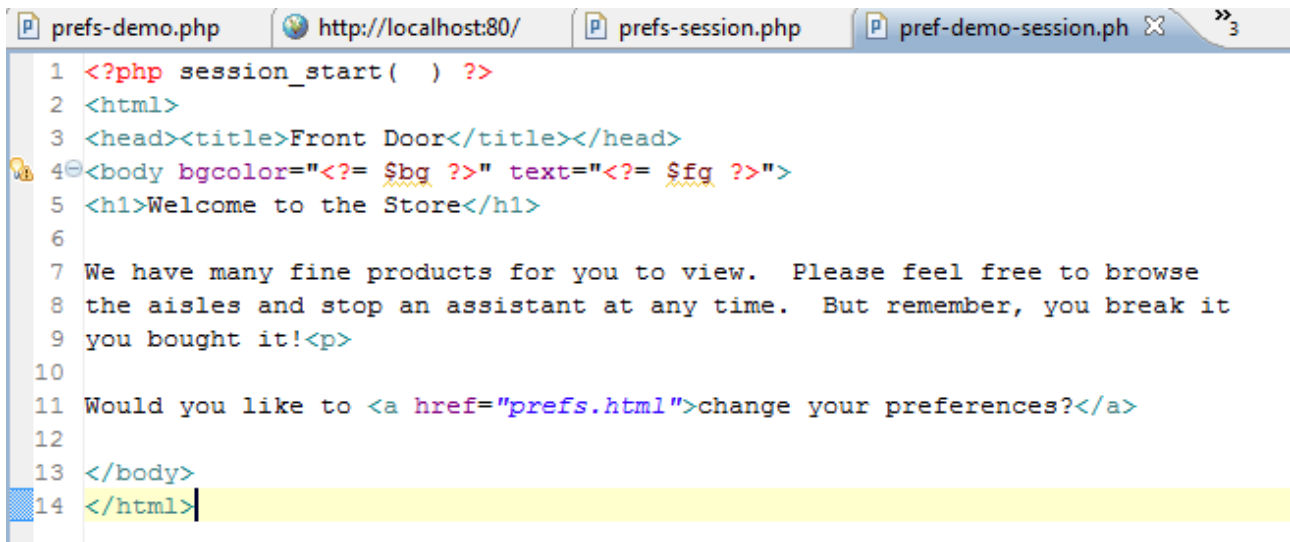
A web browser window with the address bar showing `http://localhost/Lab5/Lab8/prefs-demo.php`. The page has a black background with white text. It says "Welcome to the Store" in a large font, followed by "We have many fine products for you to view. Please feel free to browse the aisles and stop an assistant at any time. But remember, you break it you bought it!". At the bottom, it asks "Would you like to [change your preferences?](#)" with a purple link.

10.3. Preference selection using SESSION

Modify processing php files using session. The following is only the suggestion; you have to work around on it to do this exercise:



```
1 <?php
2 $colors = array('black' => '#000000',
3                 'white' => '#ffffff',
4                 'red' => '#ff0000',
5                 'blue' => '#0000ff');
6 session_start( );
7 session_register('bg');
8 session_register('fg');
9
10 $bg_name = $_POST['background'];
11 $fg_name = $_POST['foreground'];
12
13 $bg = $colors[$bg_name];
14 $fg = $colors[$fg_name];
15
16 ?>
```



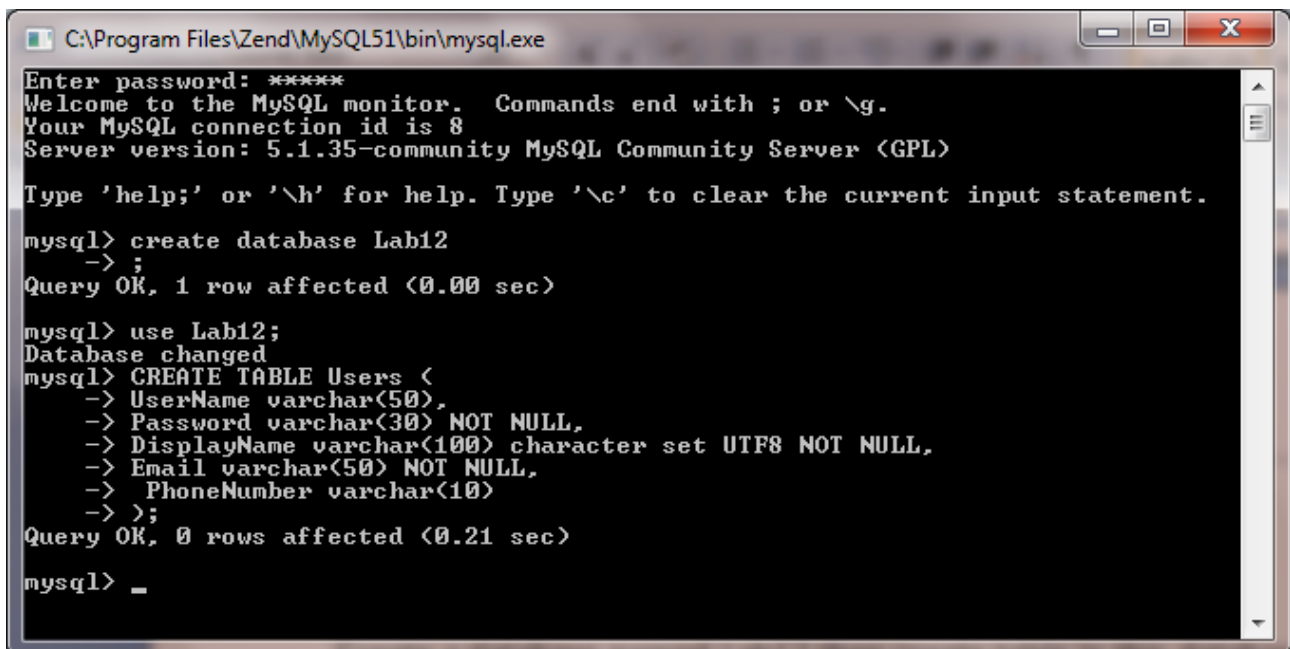
```
1 <?php session_start( ) ?>
2 <html>
3 <head><title>Front Door</title></head>
4 <body bgcolor="<?=$bg ?>" text="<?=$fg ?>">
5 <h1>Welcome to the Store</h1>
6
7 We have many fine products for you to view. Please feel free to browse
8 the aisles and stop an assistant at any time. But remember, you break it
9 you bought it!<p>
10
11 Would you like to <a href="prefs.html">change your preferences?</a>
12
13 </body>
14 </html>
```

10.4. Manage Login session

Step 1. Create database & table

- Create a database named Lab12 then create table in this database named Users.

```
CREATE TABLE Users (
    UserName varchar(50) ,
    Password varchar(30) NOT NULL,
    DisplayName varchar(100) character set UTF8 NOT NULL,
    Email varchar(50) NOT NULL,
    PhoneNumber varchar(10)
);
```



```
C:\Program Files\Zend\MySQL51\bin\mysql.exe
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 5.1.35-community MySQL Community Server (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database Lab12
-> ;
Query OK, 1 row affected (0.00 sec)

mysql> use Lab12;
Database changed
mysql> CREATE TABLE Users <
-> UserName varchar(50),
-> Password varchar(30) NOT NULL,
-> DisplayName varchar(100) character set UTF8 NOT NULL,
-> Email varchar(50) NOT NULL,
-> PhoneNumber varchar(10)
-> >;
Query OK, 0 rows affected (0.21 sec)

mysql> _
```

- Modify the Users table using phpMyAdmin: UserName is the PRIMARY KEY, Email is the UNIQUE KEY.

	Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	UserName	varchar(50)	ascii_general_ci		No	None		
<input type="checkbox"/>	Password	varchar(30)	ascii_general_ci		No	None		
<input type="checkbox"/>	DisplayName	varchar(100)	utf8_unicode_ci		No	None		
<input type="checkbox"/>	Email	varchar(50)	ascii_general_ci		No	None		
<input type="checkbox"/>	PhoneNumber	varchar(10)	ascii_general_ci		Yes	NULL		

☐ Check All / ☐ Uncheck All With selected:

[Print view](#) [Relation view](#) [Propose table structure](#)

Add 1 field(s) ☒ At End of Table ☐ At Beginning of Table ☐ After UserName

Indexes: [?](#)

Action	Keyname	Type	Unique	Packed	Field	Cardinality	Collation	Null	Comment
	PRIMARY	BTREE	Yes	No	UserName	0	A		
	Email	BTREE	Yes	No	Email	0	A		

- Insert some data for Users table; note that DisplayName should be entered in Vietnamese.

Field	Type	Function	Null	Value
UserName	varchar(50)	<input type="text"/>	<input type="checkbox"/>	trangntt
Password	varchar(30)	<input type="text"/>	<input type="checkbox"/>	12345
DisplayName	varchar(100)	<input type="text"/>	<input type="checkbox"/>	Nguyễn Trang
Email	varchar(50)	<input type="text"/>	<input type="checkbox"/>	trangntt@gmail.com
PhoneNumber	varchar(10)	<input type="text"/>	<input type="checkbox"/>	0988393044

☐ Ignore

Field	Type	Function	Null	Value
UserName	varchar(50)	<input type="text"/>	<input type="checkbox"/>	duongnhn
Password	varchar(30)	<input type="text"/>	<input type="checkbox"/>	54321
DisplayName	varchar(100)	<input type="text"/>	<input type="checkbox"/>	Nam Dương
Email	varchar(50)	<input type="text"/>	<input type="checkbox"/>	duongnhn@gmail.com
PhoneNumber	varchar(10)	<input type="text"/>	<input type="checkbox"/>	0983949494

			UserName	Password	DisplayName	Email	PhoneNumber
<input type="checkbox"/>			duongnhn	54321	Nam Dương	duongnhn@gmail.com	0983949494
<input type="checkbox"/>			trangntt	12345	Nguyễn Trang	trangntt@gmail.com	0988393044

Step 2. Create login.php

- Allow users to enter his/her UserName and Password
- Check if the UserName and the Password are existed in the Users table or not

- If both existed (login successfully), display Welcome page and the UserName should be written into session
- If not matched (login fail), display Error in red color.

Step 3. Create check_login.php to check if there is any UserName session. If No, redirect to the login.php page; otherwise stay at the current page.


Step 4. Modify the prefs-session.php and prefs-demo-session.php in 9.3


- Includes check_login.php file to require the user log in before enter the page. Run to see the result.
- Add/modify heading 1 (h1) welcome to “HI \$USERNAME, WELCOME TO THE STORE”, where \$USERNAME is retrieved from the UserName session. Run again to see the result.

10.5. Exercise

Building a shopping cart application which allows users to choose products (Microsoft software like MSDNAA Program) then add them to cart. Then, users can view the cart; they can modify or delete a product in the cart.


Product Details

Product Name Access 2003 Publisher Microsoft Corp. SKU 0000 Platform Windows	 View Product Description
---	---

*	Deliverable	Description	Price
	Download	Choose this option if you wish to download the software over the Internet.	Free!

Logged in as [username](#) | [logout](#)

View Shopping Cart

	Software Title	Deliverable	Price
	Access 2003 <input type="button" value="Edit"/> <input type="button" value="Remove"/>	Download	Free!

SQL Server 2005 Express Edition

Go

Product Name SQL Server 2005 Express Edition

Publisher [Microsoft Corp.](#)

SKU

Platform Windows


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*	Deliverable	Description	Price
<input checked="" type="radio"/>	Download	Choose this option if you wish to download the software over the Internet.	Free!

Add To Cart

View Cart

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	Software Title	Deliverable	Price
 Access2003	Access 2003 Edit Remove	Download	Free!
	SQL Server 2005 Express Edition Edit Remove	Download	Free!

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