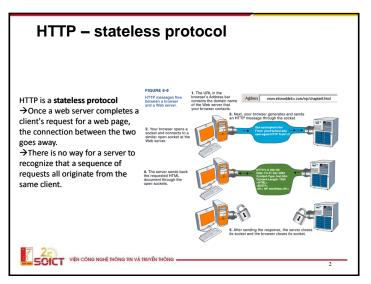
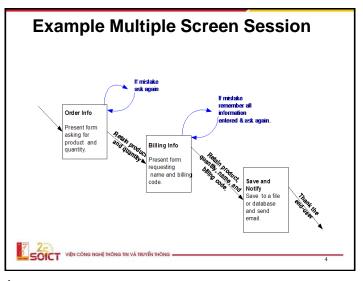


What Are Multiple-Form Web Sessions?

- ❖ A multiple-form Web session leads the user through a series of HTML forms that work together and pass data from form to form.
- E.g.
 - To build a shopping cart or on-line survey.
 - To save user authentication information from page to page
 - To store persistent user preferences on a site







How to maintain the state through multiform?

- Use tricks to keep track of state information between requests (session tracking)
 - Using hidden form fields
 - URL rewriting: every local URL on which the user might click is dynamically modified to include extra information
 - http://www.example.com/catalog.php?userid=123
 - Using cookies: a bit of information that the server give to a client → depends on the client
 - Using session



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1. Hidden fields

- Hidden fields are part of HTML forms
 - Not displayed but value can be accessed in receiving script like any other variable.
 - Can still be viewed by user's who view source.

<input type="hidden" name="preference" value="Likes Power Tools">

Variable name
that will be available
to your PHP program

Variable's value in the PHP program



Content

1. Hidden fields

- 2. User browser cookies
- 3. PHP session



A Full Script Example

- Consider an example script sets a hidden field
 - Implements the Order Info form
 - on submit sends data to order2.php

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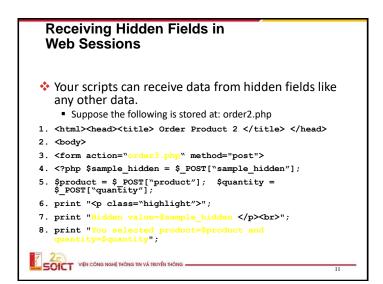
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PHP Script — order.html 1. https://docs.org/lines/ 2. 3. https://docs.org/lines/">https://docs.org/lines/">https://docs.org/lines/">https://docs.org/https://docs.org/<a href=

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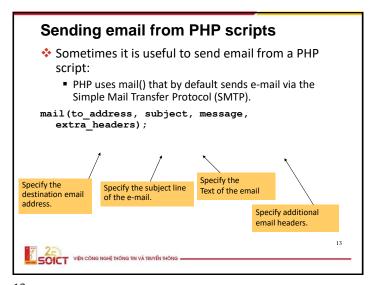
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```
Receiving PHP Script
9. print "<br/>input type=\"hidden\" name=\"product\"
   value=\"$product\"> ";
10. print "<input type=\"hidden\" name=\"quantity\"</pre>
   value=\"$quantity\">";
11. print "<input type=\"hidden\"</pre>
   name=\"sample hidden\"value=\"$sample hidden\">";
12. print 'Please enter your name:';
13. print '<input type="text" size="15" maxlength="20"
   name="name">';
14. print ' and billing code: (5 digits)';
15. print '<input type="text" size="5" maxlength="5"
name="code">';
16. print '<br> <input type=submit value="Process Order">';
17. print '<input type=reset>';
18. ?></form></body></html>
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```



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Consider the following full example ...

- Implements save and notify
- Called from order2.php and saved at order3.php
- Can access variables \$product, \$quantity, and \$sample_hidden sent as hidden fields from the Billing Info form.



Consider the following example ...

- \$dest='orders@hardwareville.com';
- 2. \$subject = 'New Hardware Order';
- 3. \$message = 'Enclosed is a new order for 12
 hammers.\n Thanks.';
- 4. \$extra = 'From: harry@hardwareville.com';
- 5. mail(\$dest, \$subject, \$message, \$extra);

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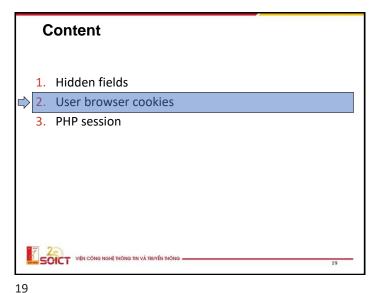
The following PHP Script ...

- 1. <html><head><title>Order Product 3</title> </head><body>
- 2. <?php
- 3. \$sample hidden = \$ POST["sample_hidden"];
 quantity=\$_POST["\$quantity"];
- 4. \$product = \$ POST["product"]; \$name=\$ POST["name"];
- 5. \$email='orders@hardwareville.com';
- 6. \$body = "New Order: Product=\$product Number=\$quantity Cust=\$name Code=\$code";
- 7. print '';
- 8. print "
Sending e-mail to order handling department at \$email ... ";
- 9. print "
The e-mail body is <i>: \$body. </i>";
- 10. \$from = 'harry@hardwareville.com';
- 11. \$subject = "New order from \$name";
- 12. mail(\$email, \$subject, \$body, "From: \$from");
- 13. print '
 E-mail sent. Thanks for ordering. ';
- 14. print "
br>By the way, sample hidden=\$sample_hidden";

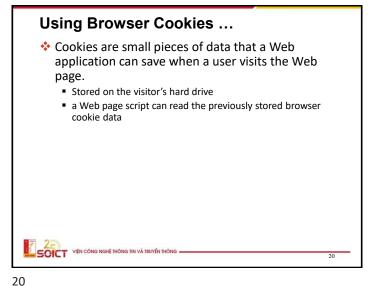
15. 2></body></html>



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Would have the following output ... 4. 9 8 8 9 9 8 8 8 New Order: Droduct=hemmers Number=12 Cust=Deve Code=12345 SOICT VIỆN CÔNG NGHỆ THÔNG TIN VÀ TRUYỀN THỐNG



Understanding Cookie Limitations

- Users can easily disable the cookies feature.
- People move around.

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- Users may delete cookies.
- PHP sets limit on cookies



Setting and Reading Cookies

Cookies can be set in memory or on hard disk

Set on hard disk are deleted when browser closes

Can use the setcookie() script

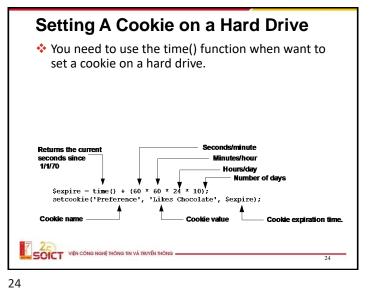
setcookie('Customer_name', 'Denise');

Directs browser to create a cookie

Specify the cookie's name

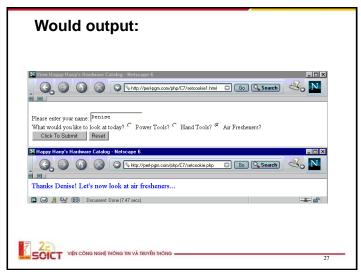
Specify the cookie's value

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A full example of setting a cookie.... Suppose a front-end web page asks for some survey information: <input type="text" size="15" maxlength="20" name="custname"> <input type="radio" name="prefers" value="power tools" checked > Power Tools? <input type="radio" name="prefers" value="power tools" checked > Power Tools? <input type="radio" name="prefers" value="air fresheners"> Air Fresheners? VIÊN CONG NORIÉ THÔNG TIN VÀ TRUYÉN THÔNG

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The following script runs when submitted – setcookie.php

```
1. <?php $prefers = $ POST["prefers"];</pre>
  $expire=$_POST["expire"]; $custname=$_POST["custname"];
2. \Rightarrow = time() + (60 * 60 * 24 * 30);
setcookie("name", $custname, $expire);
4. setcookie("preference", $prefers, $expire);
5. ?>
6. <html>
7. <head><title>Happy Harry's Hardware Catalog
  </title></head>
8. <body><font size=4 color="blue">
10.
            print "Thanks $custname! ";
11.
           print "Let's now look at $prefers... ";
12.?> </font></body></html>
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```

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Reading Cookies

- You can read a cookie by using a variable name with the same name as a cookie:
 - print "\$cust_name";



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Reading Cookies with REGISTER GLOBALS Off

- To read a cookie value use the \$_COOKIE[] associative array to get the cookie function
- \$ \$cust_name= \$_COOKIE["cust_name"];



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Example Script that read a cookie

```
2. <head><title>Happy Harry's Hardware Catalog</title>
4. <?php $name = $ COOKIE["name"]; $preference = $ COOKIE["preference"];
 5. print '<font color="blue" size=4>';
 6. if (isset($name)){
7. print "Welcome back to our humble hardware site, $name.";
8. } else {
      print '<font color="red">';
              print 'Welcome to our humble hardware site.</font>';
10
11.
12.
            if ($preference == 'hand tools'){
13
               print '<br> We have hammers on sale for 5 dollars!';
14
            } elseif ($preference == 'power tools'){
15.
              print '<br > We have power drills on sale for 25
   dollars!';
16.
            } elseif ( $preference == 'air fresheners') {
17.
              print '<br > We now carry extra-strength air fresheners!'
18.
            } else {
19.
              print '<br> <font color="red">';
 20.
               print 'We have drills and hammers on special today!';
22. SONTE OHLES HOLLETING TIN VÀ TRUYỀN THÔNG -
```

Example Script that read a cookie – readcookie.php

```
1. <html>
2. <head><title>Happy Harry's Hardware Catalog</title>
3. </head><body>
5. print '<font color="blue" size=4>';
6. if (isset($name)){
    print "Welcome back to our humble hardware site, $name.";
      print '<font color="red">';
10.
              print 'Welcome to our humble hardware site.</font>';
12.
            if ($preference == 'hand tools') {
              print '<br> We have hammers on sale for 5 dollars!';
13.
            } elseif ($preference == 'power tools') {
14.
              print '<br> We have power drills on sale for 25
15.
  dollars!';
16.
            } elseif ( $preference == 'air fresheners') {
               print '<br> We now carry extra-strength air
  fresheners!'
18.
               print '<br> <font color="red">';
19.
20.
               print 'We have drills and hammers on special today!';
21
22.77 font >4/ kunlong tin và truyền thông —
```

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Content

- Hidden fields
- 2. User browser cookies

3. PHP session



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PHP Sessions

- PHP supports two functions that enable you to retain data between forms
 - session_start() either starts a new session or resumes one if a session exists
 - · Run at the start of every script
 - By default creates a unique session ID stored as a cookie
 - session_register() registers one or more
 variables as session variables
 \$name = 'Matthew';
 \$preference = 'Soccer Equipment';
 session_register('name', 'preference');



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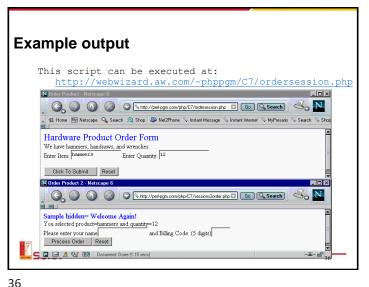
Use the following script to read the session data - sessions2order.php

```
1.<?php session start() ?>
2.<html><head><title> Order Product 2 </title> </head>
4.<form action="sessions3order.php" method="post">
5.<?php $sample hidden = $ SESSION['sample hidden'];</pre>
6. print "<h1> Sample hidden= $sample hidden</h1>";
7. print "<br>You selected product=$product and
                                quantity=$quantity";
9. print '<br>Please enter your name';
          print '<input text type="text" size="15"
  maxlength="20"
  name="name">';
11.
           print ' and Billing Code: (5 digits)';
           print '<input text type="text" size="5" maxlength="5"
                                name="code">";
           print '<br> <input type=submit value="Process</pre>
  Order">'
14.
           print '<input type=reset>';
           print '</form></body></html>';
15.
LEGICT VIỆN SỐNG NGHỆ THÔNG TIN VÀ TRUYỀN THÔNG -
```

```
Example PHP Code
```

```
1.<?php session start(); ?>
 2. <html><head><title>Order Product</title>
 3.</head><body>
 4. <form action="sessions2order.php" method="post">
 5. <font color=blue size=5> Hardware Product Order Form </font>
 6. <br > We have hammers, handsaws, and wrenches.
 7. <br/>Senter Item: <input text type="text" size="15"
   maxlength="20" name="product">
 8. Enter Quantity: <input text type="text" size="15"
   maxlength="20" name="quantity"><br>
 9.<?php
               $sample hidden='Welcome Again!';
 11.
              session register('sample hidden');
 12
           <br><input type="submit" value="Click To Submit">
 13.
           <input type = "reset" value = "Reset" >
 14.
            </body></html>
 15.
SOICT VIEN CONG NIGHE THONG THE VA TRUYEN THONG "Sample_hidden ']=$sample_hidden:
```

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Some session extras

* session is registered() - can be used to determine if a variable comes from a session:

```
if (session_is_registered('name')){
   print "got name=$name from session";
} else {
   print
           "name=$name not set from
 session";
```



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Summary

- Hidden fields are HTML form fields you can use to set a variable name and variable value without displaying them on a form.
- Cookies provide a way for Web server applications to store small pieces of data on the user's hard disk.
- PHP session functions provide a convenient way to retain data between PHP scripts.
 - Use session_start() and session_register() functions to start sessions and define session variables, respectively



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Session Extras N SesSESSION when REGISTER GLOBALS are off in php.ini Do not need to use session register() session start();

\$ SESSION['sample hidden'] = 'Welcome!';

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