

# WDMD 312

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Web Development III

Krause, Fall 2015

THE ART OF TROUBLESHOOTING

# Plan for Today

- Syllabus
- Ice-breaker
- Troubleshooting
- For Next Class

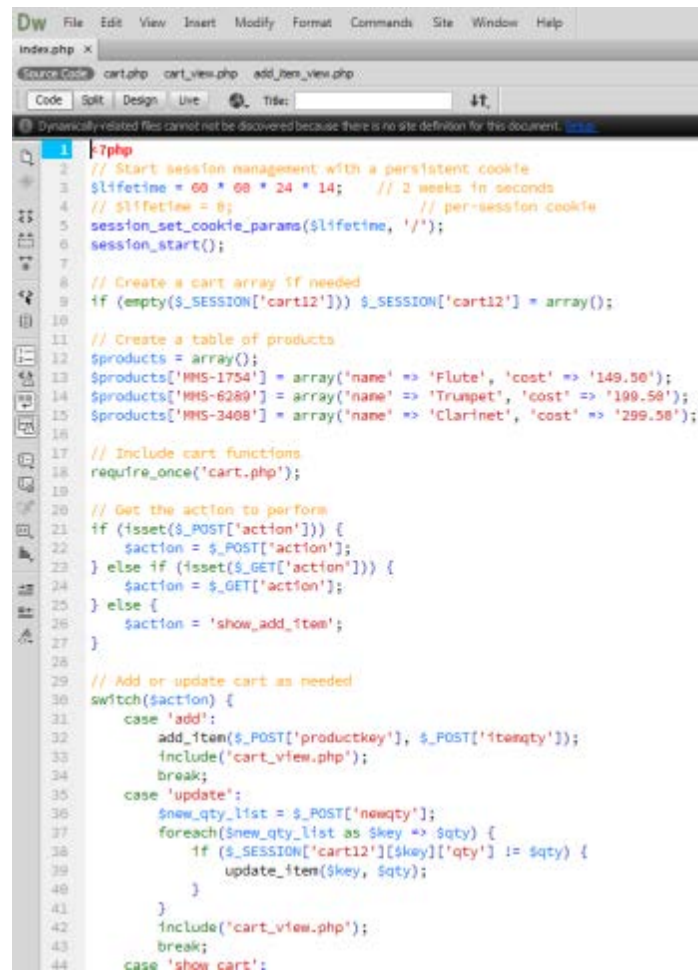
# Ice-Breaker



# Troubleshooting

Easier with a common language and a common approach

Line numbers  
must be  
turned on

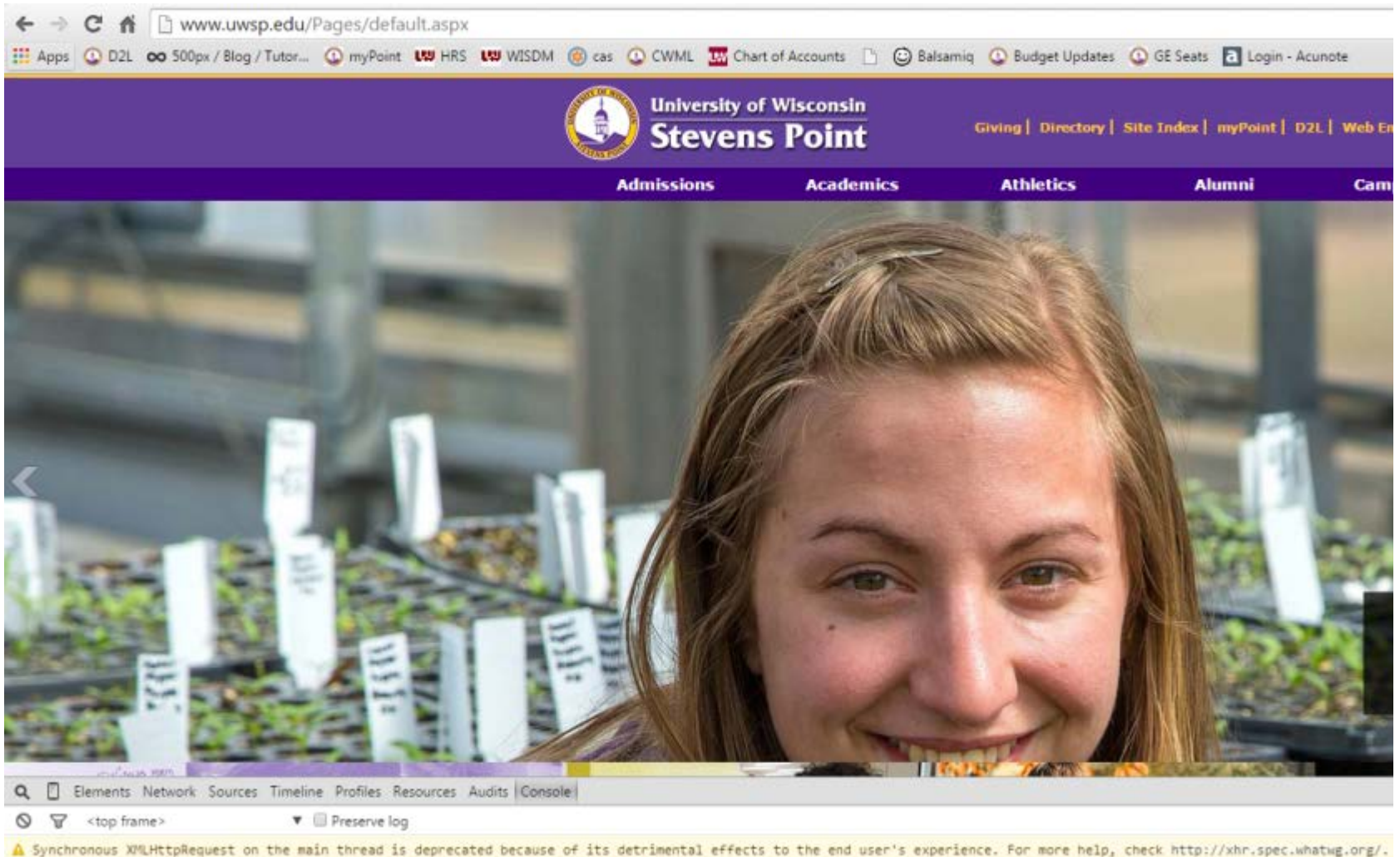


```
1 <code>?php
2 // Start session management with a persistent cookie
3 $lifetime = 60 * 60 * 24 * 14; // 2 weeks in seconds
4 // $lifetime = 0; // per-session cookie
5 session_set_cookie_params($lifetime, '/');
6 session_start();
7
8 // Create a cart array if needed
9 if (empty($_SESSION['cart12'])) $_SESSION['cart12'] = array();
10
11 // Create a table of products
12 $products = array();
13 $products['MMS-1754'] = array('name' => 'Flute', 'cost' => '149.50');
14 $products['MMS-6289'] = array('name' => 'Trumpet', 'cost' => '199.50');
15 $products['MMS-3408'] = array('name' => 'Clarinet', 'cost' => '299.50');
16
17 // Include cart functions
18 require_once('cart.php');
19
20 // Get the action to perform
21 if (isset($_POST['action'])) {
22     $action = $_POST['action'];
23 } else if (isset($_GET['action'])) {
24     $action = $_GET['action'];
25 } else {
26     $action = 'show_add_item';
27 }
28
29 // Add or update cart as needed
30 switch($action) {
31     case 'add':
32         add_item($_POST['productkey'], $_POST['itemqty']);
33         include('cart_view.php');
34         break;
35     case 'update':
36         $new_qty_list = $_POST['newqty'];
37         foreach($new_qty_list as $key => $qty) {
38             if ($_SESSION['cart12'][$key]['qty'] != $qty) {
39                 update_item($key, $qty);
40             }
41         }
42         include('cart_view.php');
43         break;
44     case 'show cart':
```

IDE is  
your choice

**AND...**

# AND...



Console must be enabled

# Asking Questions: Where

## Acceptable

- Classmates
- Instructor or tutors
- Book Web Site
- StackOverflow
- Other Forums
  
- Experimentation
- FAQs, Similar Solutions
- Documentation

## Not Acceptable

- Classmates
- Instructor or tutors
- Book Web Site
- StackOverflow
- Other Forums
  
- Code written for you\*
- Identical Solutions
- Code Repositories

\* If you do use a code snippet, site your source in your code as a comment

# Asking Questions: How

- What have you already done?
- How do I reproduce the problem?
- What did you expect to see? What did you see?
  
- Provide error message, line #
- Provide your code, OS, IDE (and versions)

# Asking Questions: Google

Example:

```
Parse error: syntax error, unexpected $end  
in /home/demo/wp-content/themes/something-  
fishy/functions.php on line 230
```

1. Try a search
2. Identify **local** and **global** information in the error
3. Remove local information
4. Try search again



# Asking Questions: Try It

Parse error: syntax error, unexpected T\_STRING, expecting ',' or ';' in /development/tkrause/public\_html/backup2/wp-admin/includes/media.php on line 207



Hint: Identify keywords in error messages

What was the problem?

Roughly how was it solved?

# Evaluating Sources

- Search page for keywords to determine relevance
- Skim solution. Does the solution make sense to you?
- Evaluate source. Does it appear credible?

When do you decide to stop looking?



# Last of All

- Be courteous
- Do follow-through
- Provide the minimum amount of information

# For next time

- Preview\* Chapter 7, How to work with form data

\*one more slide

# Preview v.s. Read

Preview has approximately four steps:

1. Read the first page of the chapter (overview and list of topics)
2. Skim the chapter: read all of the headers
3. Skim the chapter: review all of the Tables, **Figures**, Diagrams and Illustrations
4. Review the **Terms** and **Summary**