Lecture 3 OverView

- Day2/Lab2 Questions
- Review Student Videos
- Todays Topic (**Models**)
- Lecture

Saturday, June 2, 2012

Day 1 Topics

1. Course Introduction
2. Software Installation
3. Apache & PHP Configuration
4. ColdFusion Server Configuration
5. Editor Configuration
6. Repo configuration SSLX
7. Static vs. Dynamic Content
8. Server vs. Client Scripting
9. **Views**

Day 2 Topics

1. Arguments
2. Basic Debugging (Vardump)
3. URL & Form Data
4. Validation
5. Security & Paranoia

Day 3 Topics

1. Queries / Unit testing
2. **Model** Classes

Day 4 Topics

1. Main **Controller** Classes
2. Web Application Data Flow
3. Pretty URLs

Day 5 Topics

1. Hashing and Salting
2. Scope
3. Cookies & Sessions

Day 6 Topics

1. Image Manipulation
2. CAPTCHA

Day 7 Topics

1. XML
2. JSON

Day 8 Topics

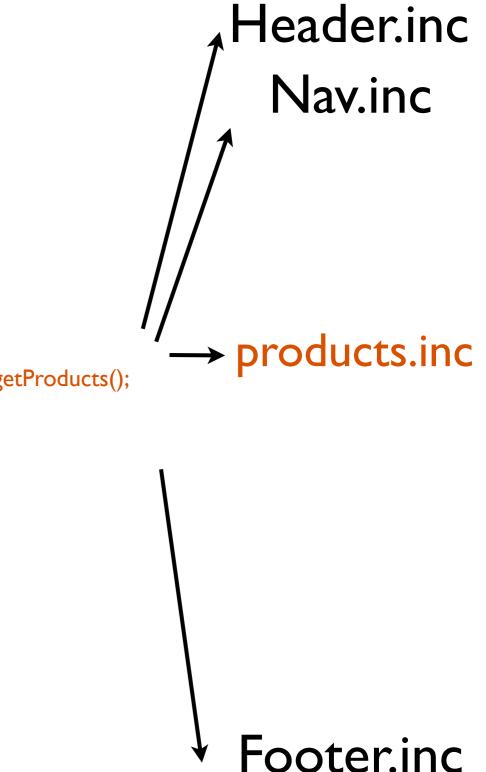Guest Lecture

Day 9 Topics

Student Lectures

Day 10 Topics

Practical

LOGO

PRODUCTS | REGISTER | LOGIN | ADMIN | XML

Header.inc

Nav.inc

Add new product

1.Shoes Delete | Edit
2.Shirts Delete | Edit
3.Pants Delete | Edit

getProducts();   → products.inc

FOOTER

Footer.inc

Todays Topics

- Designing a model class with a connection string
- Database Connection in PHP with PDO
- Database Connection in CF with Server Admin

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```
1   <cfcomponent>
2
3       <cffunction name="addProduct" access="public" returntype="void">
4           <cfargument name="pname" type="any" required="yes">
5           <cfargument name="pdesc" type="any" required="yes">
6
7               <cfquery name="insertprs" datasource="ssl1206">
8                   insert into products (product_name, product_desc)
9                                       values
10              (<cfqueryparam value="#pname#">,<cfqueryparam value="#pdesc#">)
11
12              </cfquery>
13
14      </cffunction>
15
16  </cfcomponent>
```

home.cfm × | body.cfm × | viewModel.cfc × | productModel.cfc × | addform.html ×

Code | Split | Design | Live View | Live Code | Title:

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index.php ✕   body.php ✕   viewModel.php ✕   productModel.php ✕   updateform.html ✕

Source Code   viewModel.php   productModel.php

```php
1   <html> ...
12  <?
13  include 'models/viewModel.php';
14  include 'models/productModel.php';
15
16  $view = new viewModel();
17  $prmodel = new productModel();
18
19  $view->getView("views/header.php");
20
21  if(!empty($_GET["action"])){
22
23          if ($_GET["action"]=="updateform"){
24                  $product = $prmodel->getProduct($_GET["prid"]);
25                  $view->getView("views/updateform.html",$product);
26
27          }else if ($_GET["action"]=="updatepr"){
28
29                  $prmodel->updateProduct($_POST["pid"],$_POST["pname"],$_POST["pdesc"]);
30
31                  $products = $prmodel->getProducts();
32                  $view->getView("views/body.php",$products);
33
34          }
35  }else{
36
37                  $products = $prmodel->getProducts();
38                  $view->getView("views/body.php",$products);
39
40  }
```

index.php | body.php | viewModel.php | productModel.php | updateform.html

```php
1   <?
2   // this is the body page
3   // inside views because this is a view
4
5   foreach($paramaters as $par){
6     echo "<br>";
7     echo $par["product_name"]."<br>";
8     echo $par["product_id"].  "<br>";
9     echo $par["product_desc"]."<br>";
10    echo " <a href='?action=delete'> delete</a>";
11    echo " <a href='?action=updateform&prid=".$par["product_id"]."'> update</a>";
12    /*
13    ?>
14    <a href="?action=update&prid="<?=$par["product_id"]?>">Update</a>
15    <?
16    */
17    echo "<br>_____<br>";
18  }
19
20  ?>
```

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index.php × body.php × viewModel.php × productModel.php × updateform.html ×

```php
1   <?
2   class viewModel{
3
4
5       public function getView($pagename='', $paramaters=array()){
6           // in here all the parameters are visible to the loaded page
7           include $pagename;
8
9       }
10
11  }
12  ?>
```

index.php ✕ | body.php ✕ | viewModel.php ✕ | productModel.php ✕ | updateform.html ✕

```php
1  <?
2  // this is the product model product CRUD stuff here
3  class productModel{
4
5      public function getProducts(){
6
7      $db = new PDO("mysql:hostname=localhost;dbname=SSL1206","root","root");
8
9      $sql = " select * from products order by product_id ASC";
10
11     $st = $db->prepare($sql);
12
13     $st->execute();
14
15     $result = $st->fetchAll();
16
17
18     return $result;
19     }
20
```

index.php × | body.php × | viewModel.php × | productModel.php × | updateform.html ×

```
1  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xht
2  <html xmlns="http://www.w3.org/1999/xhtml">
3  <head>
4  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
5  <title>form</title>
6  </head>
7
8  <body>
9  <? foreach($paramaters as $par){ ?>
10 <form action="?action=updatepr" method="post">
11
12     Product id:
13     <input type="text" name="pid"  readonly="readonly" value='<?=$par["product_id"]?>'/>
14     Product Name:
15     <input type="text" name="pname" value='<?=$par["product_name"]?>'/><br />
16     Product Desc:
17     <input type="text" name="pdesc" value='<?=$par["product_desc"]?>'/><br />
18
19
20     <input type="submit" value="update" />
21
22 </form>
23 <? } ?>
24 </body>
25 </html>
26
```

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