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http://code.google.com/p/comp1920-shoppingcart/

COMP1920-SHOPPING CART

Agenda

- Demo (3 mins)
- Technology Overview (7 mins)
- Session Shopping Cart (10 mins)
- Class Exercise (10 mins)
- Q&A

Demo Time

A problem has been detected and windows has been shut down to prevent damage If this is the first time you've seen this stop error screen, restart your computer. If this screen appears again, follow check to make sure any new hardware or software is properly installed. If this is a new installation, ask your hardware or software is properly installed.

any Windows updates you might need. oblems continue, disable or remove any newly installed hardware fitware. Disable BIOS memory options such as caching or shadowing. u need to use Safe Mode to remove or disable components, restart computer, press F8 to select Advanced Startup options, and then Technical information: *** STOP: 0x0000007A (0xC05D38C0,0xC000000E,0x8A71850C,0x98F9F860) atapi.sys - Address BA71850C base at BA708000, DateStamp 4802539d

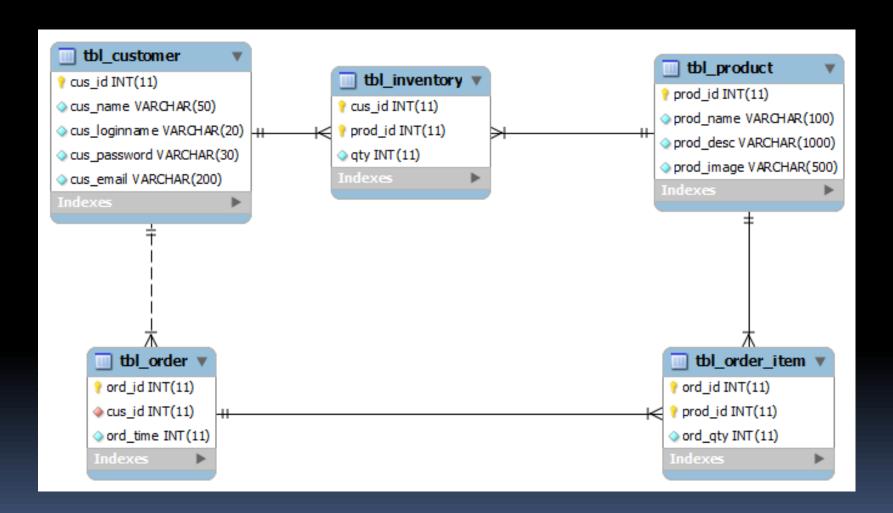
Technology Overview

- CSS
- MySQL
- JQuery & Ajex & JSON & PHP

CSS



Schema



Ajax & JQuery

- This:
- \$("#age").load("./getage.php");

Or:

```
$.getJson(`./getageJson.php'), function(resp) {
    $("#age").html(resp)
});
```

VS:

function ajaxFunction(){ var ajaxRequest; // The variable that makes Ajax possible! try{ // Opera 8.o+, Firefox, Safari ajaxRequest = new XMLHttpRequest(); } catch (e){ // Internet Explorer Browsers try{ ajaxRequest = new ActiveXObject("Msxml2.XMLHTTP"); } catch (e) { try{ ajaxRequest = new ActiveXObject("Microsoft.XMLHTTP"); } catch (e){ // Something went wrong alert("Your browser broke!"); return false; } } //
Create a function that will receive data sent from the server ajaxRequest.onreadystatechange = function(){ if(ajaxRequest.readyState == 4){ var ajaxDisplay = document.getElementById('ajaxDiv'); ajaxDisplay.innerHTML = ajaxRequest.responseText; } } var age = document.getElementById('age').value; var wpm = document.getElementById('wpm').value; var sex = document.getElementById('sex').value; var queryString = "?age=" + age + "&wpm=" + wpm + "&sex=" + sex; ajaxRequest.open("GET", "ajaxexample.php" + queryString, true); ajaxRequest.send(null); }

JSON - Javascript Object Notation

```
"products" : [
    "id": 1,
    "name": "handbag",
    "imgUrl": "./img/handbag.jpg"
    "id": 2,
    "name": "handgun",...
```

XML

```
cproducts>
 <entry>
    <id>1</id>
    <name>handbag</name>
    <imgUrl>./img/handbag.jpg</imgUrl>
 </entry>
  <entry>
    <id>2</id>
    <name>handgun</name>
```

PHP

Shopping Cart

- It's all about \$_SESSION!
- Don't even need to use a DB.

Cart Item

- Simply a key value pair:
 - productName => quantity
- Add item/update quantity:
 - productName => (quantity +/- some count)

A bunch of Items?

Easy:

```
array("prodName_o1" => 100,
"prodName_o2" => 13,
...);
```

How about the cart?

- \$_SESSION['cart'] = array();
- That's our cart.!

Cart Operations

- Add new item:
 - \$_SESSION['cart']['newItem'] = 10;
- Add more:
 - \$_ \$ESSION['cart']['newItem'] += 5;
- Remove:
 - unset(\$_SESSION['cart']['newItem']);

Get Cart Content

That's it!

Class Exercise



Project Webpage

- http://code.google.com/p/comp1920shoppingcart/
- Just search googlecode
- -> Project Hosting
- -> Search for comp1920
- You can sync down the full source code or read it from the web ©

Q & A

