Lecture 6 OverView

- Day5/Lab5 Questions
- Review Student Videos
- Todays Topic (**Captcha, Image, File Handling**)
- Lab #6

Tuesday, August 14, 2012

PHP Image Creation

PHP has the GD library for image manipulation. There are several methods available we are only going to cover couple of them. Please go to PHP.net and look for GD methods available.

http://www.roseindia.net/tutorial/php/phpgd/About-drawtext.html

PHP Image Creation

Some of the useful PHP image methods.

```php
getimagesize($image_path);
imagecreatefromjpeg($filename);
imagejpeg, imagepng, imagegif();
imagedestroy();
imagecreatetruecolor();
imagecopyresampled();
imagecreate();
imagecolorallocate();
imagerectangle();
imagefttext();

header('Content-type: image/png');
```

PHP Image Creation

We need a model for our image and file actions

```php
1   <?php
2
3   class img{
4
5
6       public function getGD(){
7
8
9       return gd_info();
10
11      }
12
```

PHP Image Creation

Image copy method

```php
public function imageCopy($orgfile, $newfile){

    $n = imagecreatefromjpeg($orgfile);
    imagejpeg($n,$newfile);
    imagedestroy($n);

}
```

PHP Image Creation

Image resize method

```php
public function imageResize($orgfile, $newfile, $h, $w){


    $n = imagecreatefromjpeg($orgfile);
    $ar = getimagesize($orgfile);
    $orgw=  $ar[0];
    $orgh = $ar[1];


    $cont = imagecreatetruecolor($w, $h);
    imagecopyresampled($cont, $n, 0, 0, 0, 0, $w, $h, $orgw, $orgh);
    imagejpeg($cont,$newfile,100);
    imagedestroy($n);
  }
```

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PHP Image Creation

Message/Captcha Method

```php
public function msg($msg){

    $container = imagecreate(300,200);
    $black = imagecolorallocate($container,0,0,0);
    $white = imagecolorallocate($container,255,255,255);
    $font = 'fonts/texb.ttf';
    imagefilledrectangle($container, 0, 0, 250,150,$black);
    imagerectangle($container,0,0,50,60,$white);
    imagefttext($container,12,0,0,12,$white,$font,$msg);
    header('Content-Type: image/png');
    imagepng($container,null);
    imagedestroy($container);

}
```

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PHP Image Creation

File Upload Method

```php
public function fileUpload($file){
    $tempfile = $file["tmp_name"];

    //copy($file,$file);
    move_uploaded_file($tempfile,$file["name"]);

}
```

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PHP Image Creation

PHP PDF Creation

```php
<?php
// create handle for new PDF document
$pdf = pdf_new();
// open a file
pdf_open_file($pdf, "test.pdf");
// start a new page (A4)
pdf_begin_page($pdf, 595, 842);
// get and use a font object
$arial = pdf_findfont($pdf, "Arial", "host", 1); pdf_setfont($pdf, $arial, 10);
// print text
pdf_show_xy($pdf, "There are more things in heaven and earth, Horatio,",50, 750);
pdf_show_xy($pdf, "than are dreamt of in your philosophy", 50,730);
// end page
pdf_end_page($pdf);
// close and save file
pdf_close($pdf);
?>
```

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<u>Coldfusion</u> **Image Creation**

Coldfusion also has a built-in image methods.

http://help.adobe.com/en_US/ColdFusion/9.0/Developing/index.html

Lecture 6: IMAGE & FILE HANDLING

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Coldfusion Image Creation

Coldfusion Captcha

```
<ctcomponent>

    <cffunction name="cap" returntype="void" access="public">
    <cfargument name="msg" type="any">

        <cfimage action="captcha" fontSize="25" width="162" height="75" text="#msg#"
fonts="Verdana,Arial,Courier New,Courier">

    </cffunction>
```

Coldfusion Image Creation

Coldfusion displaying Captcha it on the form

```
<cfelseif #action# is "addUserForm">

    <cfset views.getView("../views/incs/form",img)>
```

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Coldfusion Image Creation

Coldfusion upload a File

```
<cffunction name="up" returntype="void" access="public">
<cfargument name="upfile" type="any">

   <cffile action="upload" filefield="#upfile#" destination=
'/Applications/Railo/webroot/SSL">


</cffunction>
```

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Coldfusion Image Creation

Coldfusion resize an image

```
<cfset myimf = ImageNew(f)>

<cfset ImageResize(myimf,"120","90","blackman",2)>

<cfimage source="#myimf#" action="write" destination=
:ions/Railo/webroot/SSL/practical/test_myImage.jpeg" overwrite="yes">
```

LAB #6: Today you will create Coldfusion and PHP Captcha validated forms

•You will need to match your designs from your previous labs, create css and valid HTML techniques in mind.

•Extra credit would be on registration form uploading and image for the user profile.

•Lab requires to be done in both languages

•Make sure to have the also the client side validation.

•Lab #6 is due at the beginning of class. (Please commit your files through GIT)

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