

GD library - PHP

- Working with Images in PHP -

Introduction to GD

- PHP poate fi utilizat la crearea si manipularea fisierelor de tip imagine cunoscand o varietate de formaturi: jpg, png, gif, wbmp si xpm. Pentru aceasta este nevoie de biblioteca GD disponibila la <http://www.boutell.com/gd/> (in unele versiuni de PHP ea este integrata). De asemenea formatul in care este exportata imaginea depinde de versiunea bibliotecii GD instalate.

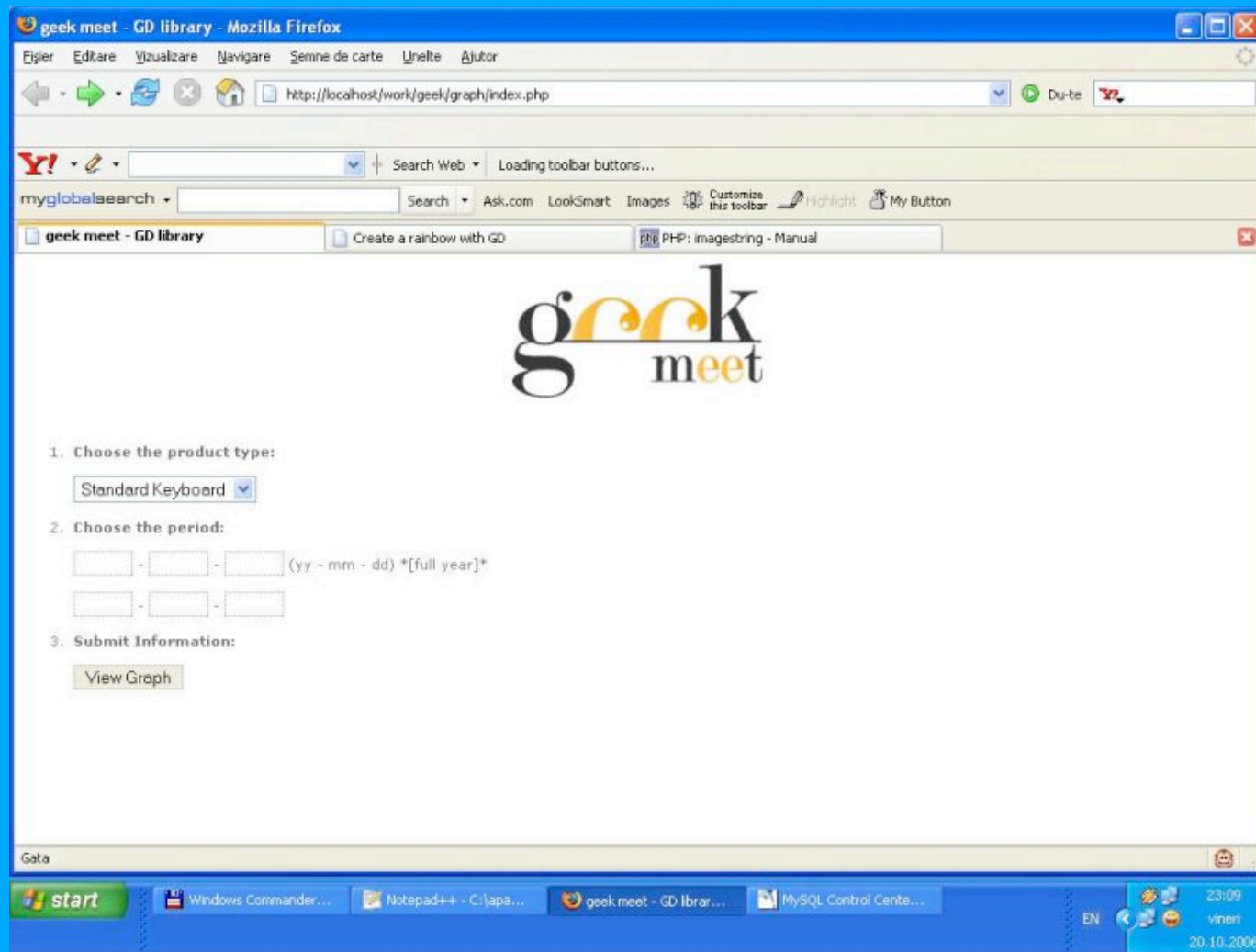
Basic GD functions

- `imagecreate (int x_size, int y_size)` – returneaza un identificator de imagine reprezentand o imagine goala de dimensiunea `x_size * y_size`. `*imagecreatetruecolor()`
- `imagecolorallocate (resource image, int red, int green, int blue)` – returneaza un identificator de culoare reprezentand componentele RGB date (acestea sunt cuprinse intre 0 si 255).
- `imageline (resource image, int x1, int y1, int x2, int y2, int color)` - deseneaza o linie de la punctul `x1,y1` la punctul `x2,y2`.
- `imagefilledrectangle (resource image, int x1, int y1, int x2, int y2, int color)` — creaza un dreptunghi plin, de culoare **color** pornind de la punctul `x1,y1` (stanga sus) si terminand cu punctul `x2,y2` (dreapta jos).
- `imagestring (resource image, int font, int x, int y, string s, int col)` – deseneaza sirul de caractere `s` la coordonatele `x,y` date.

Basic GD functions II

- `bool imagepng (resource image [, string filename])` – afiseaza o imagine GD, de obicei prin browser sau intr-un fisier.
- `bool imagedestroy (resource image)` – distruge o imagine, elibereaza spatiul din memorie.
- `resource imagecreatefromgif (string filename)` – creaza o imagine noua avand la baza o imagine specificata. (png, jpeg)
- `array imagettftext (resource image, float size, float angle, int x, int y, int color, string fontfile, string text)` – plaseaza un sir de caractere pe o imagine cu un anumit font si la un anumit unghi.

Graph Application



graph.php (image PNG , 450x450 pixel) - Mozilla Firefox

Fișier Editare Vizualizare Navigare Semne de carte Unește Ajutor

http://localhost/work/geek/graph/graph.php

Y! Search Web Loading toolbar buttons...

myglobalsearch Search Ask.com LookSmart Images Customize this toolbar Highlight My Button

graph.php (image PNG , 450x450 pi... Create a rainbow with GD php PHP: Imagestring - Manual

Index	Value
1	294
2	388
3	108
4	158
5	258
6	45
7	123
8	345

Gata

start Windows Commander... Notepad++ - C:\apa... graph.php (image P... MySQL Control Cente... unotted - Paint EN 23:08 vinen 20.10.2006

```

» <index.php>
» <link rel="STYLESHEET" type="text/css" href="stil.css">
» <title>geek meet - GD library</title>
» <center></center><br><br>

» <form method="post" name="graph" action="graph.php">
» <ol>
» <li><b>Choose the product type:</b><br><br>
» <select name='product'>
» <option value="keyboard">Standard Keyboard</option>
» <option value="wrlkeyboard">Wireless Keyboard</option>
» <option value="optmouse">Optical Mouse</option>
» <option value="wrlmouse">Wireless Mouse</option>
» </select><br><br>

» <li><b>Choose the period:</b><br><br>
» <input type="text" name="y1" size="4"> -
» <input type="text" name="m1" size="4"> -
» <input type="text" name="d1" size="4"> (yy - mm - dd) *[full year]
* <br><br>
» <input type="text" name="y2" size="4"> -
» <input type="text" name="m2" size="4"> -
» <input type="text" name="d2" size="4"><br><br>

» <li><b>Submit Information:</b><br><br>
» <input type="submit" value="View Graph">
» </ol>

```

- `<graph.php>`
- `<?php`
- `header("Content-type: image/png");`
- `$product = $_POST['product'];`
- `$style = $_POST['style'];`
- `//start date`
- `$d1 = $_POST['d1'];`
- `$m1 = $_POST['m1'];`
- `$y1 = $_POST['y1'];`
- `//end date`
- `$d2 = $_POST['d2'];`
- `$m2 = $_POST['m2'];`
- `$y2 = $_POST['y2'];`

- `$start_date = $y1."-".$m1."-".$d1;`
- `$end_date = $y2."-".$m2."-".$d2;`

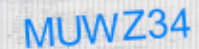
- `//sql connection`
- `$sConn = mysql_connect ('localhost' , 'root' , '11611271a') or die (mysql_error());`
- `$dConn = mysql_select_db ('geek' , $sConn) or die (mysql_error());`

- `$query = "SELECT dates,suma FROM graph WHERE dates >= '$start_date' AND dates <= '$end_date' AND produs='$product' ORDER BY dates";`
- `$result = mysql_query($query) or die(mysql_error());`
- `$record = array();`
- `$counter = 0;`
- `$max = 0;`

- `// Define .PNG image`
- `$imgWidth=$counter*50;`
- `$imgHeight=450;`
- `// Create image and define colors`
- `$image=imagecreate($imgWidth, $imgHeight);`
- `$colorWhite=imagecolorallocate($image, 255, 255, 255);`
- `$colorGrey=imagecolorallocate($image, 192, 192, 192);`
- `$colorBlue=imagecolorallocate($image, 0, 0, 150);`
- `$colorLightBlue=imagecolorallocate($image, 0, 150, 255);`
- `$colorBlack = imagecolorallocate($image,0,0,0);`
- `// Create border around image`
- `imageline($image, 0, 0, 0, 450, $colorGrey);`
- `imageline($image, 0, 0, $imgWidth, 0, $colorGrey);`
- `imageline($image, $imgWidth-1, 0, $imgWidth-1, 449, $colorGrey);`
- `imageline($image, 0, 449, $imgWidth-1, 449, $colorGrey);`
- `// Create grid`
- `for ($i=1; $i<=$counter*2-1; $i++){`
- `imageline($image, $i*25, 0, $i*25, 450, $colorGrey);`
- `}`
- `for($i=1;$i<=20;$i++)`
- `{`
- `imageline($image, 0, $i*25, 450, $i*25, $colorGrey);`
- `}`
- `//create the graph`
- `$interval = 450/$max;`
- `for ($i=1; $i<=$counter; $i++){`

Image Security

- `<?php`
- `function createlImage(){`
- `// creates the images, writes the file`
- `$fileRand = md5(rand(100000,999999));`
- `$string_a = array("A","B","C","D","E","F","G","H","J","K",`
- `"L","M","N","P","R","S","T","U","V","W","X","Y","Z",`
- `"2","3","4","5","6","7","8","9");`
- `$keys = array_rand($string_a, 6);`
- `foreach($keys as $n=>$v){`
- `$string .= $string_a[$v];`
- `}`
- `$backgroundimage = "security.gif";`
- `$im=imagecreatefromgif($backgroundimage);`
- `$colour = imagecolorallocate($im, rand(0,255), rand(0,255), rand(0,255));`
- `$font = 'Arial';`
- `$angle = rand(-5,5);`
- `// Add the text`



MUWZ34



4EXSM9



LMTWY7