

**UNIVERSIDAD MARIANO GÁLVEZ DE
GUATEMALA**



**INGENIERÍA EN SISTEMAS DE INFORMACIÓN Y
CIENCIAS DE LA COMPUTACIÓN.**

CURSO: ANALISIS DE SISTEMAS II

ING. ANGEL ATILIO MALTEZ CIFUENTES

MANUAL DE TECNICO

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CONEXIÓN A LA BASE DE DATOS

```
1  <?php
2  /**
3   * Description: The main class for Database.
4   * Author:      Joken Villanueva
5   * Date Created: october 27, 2013
6   * Revised By:
7   */
8
9  //Database Constants
10 defined('DB_SERVER') ? null : define("DB_SERVER","localhost");//define our database server
11 defined('DB_USER') ? null : define("DB_USER","root");           //define our database user
12 defined('DB_PASS') ? null : define("DB_PASS","");               //define our database Password
13 defined('DB_NAME') ? null : define("DB_NAME","dragonhousedb");  //define our database Name
14
15 $thisFile = str_replace('\\', '/', __FILE__);
16 $docRoot = $_SERVER['DOCUMENT_ROOT'];
17
18 $webRoot = str_replace(array($docRoot, 'includes/config.php'), '', $thisFile);
19 $srvRoot = str_replace('config/config.php','', $thisFile);
20
21 define('WEB_ROOT', $webRoot);
22 define('SRV_ROOT', $srvRoot);
23 ?>
```

CRUD DE DATOS

```
includes > database.php
1  <?php
2  require_once(LIB_PATH_DS."config.php");
3  class Database {
4      var $sql_string = '';
5      var $error_no = 0;
6      var $error_msg = '';
7      private $conn;
8      public $last_query;
9      private $magic_quotes_active;
10     private $real_escape_string_exists;
11
12     function __construct() {
13         $this->open_connection();
14         $this->magic_quotes_active = get_magic_quotes_gpc();
15         $this->real_escape_string_exists = function_exists("mysqli_real_escape_string");
16     }
17
18     public function open_connection() {
19         $this->conn = mysqli_connect(DB_SERVER,DB_USER,DB_PASS);
20         if(!$this->conn){
21             echo "Problem in database connection! Contact administrator!";
22             exit();
23         }else{
24
25
26             $db_select = mysqli_select_db($this->conn,DB_NAME);
27             if (!$db_select) {
28                 echo "Problem in selecting database! Contact administrator!";
29                 exit();
30             }
31         }
32     }
33 }
```

```

1
2
3
4
5 function setQuery($sql='') {
6     $this->sql_string=$sql;
7 }
8
9 function executeQuery() {
10     $result = mysqli_query($this->conn,$this->sql_string);
11     $this->confirm_query($result);
12     return $result;
13 }
14
15 private function confirm_query($result) {
16     if(!$result){
17         $this->error_no = mysqli_errno($this->conn);
18         $this->error_msg = mysqli_error($this->conn);
19         return false;
20     }
21     return $result;
22 }
23
24 function loadResultList( $key='' ) {
25     $cur = $this->executeQuery();
26
27     $array = array();
28     while ($row = mysqli_fetch_object($cur)) {
29         if ($key) {
30             $array[$row->$key] = $row;
31         } else {
32             $array[] = $row;
33         }
34     }
35 }

```

```

61         } else {
62             $array[] = $row;
63         }
64     }
65     mysqli_free_result( $cur );
66     return $array;
67 }
68
69 function loadSingleResult() {
70     $cur = $this->executeQuery();
71
72     while ($row = mysqli_fetch_object($cur)) {
73         return $data = $row;
74     }
75     mysqli_free_result($cur);
76     //return $data;
77 }
78
79 function getFieldsOnOneTable($tbl_name) {
80
81     $this->setQuery("DESC ".$tbl_name);
82     $rows = $this->loadResultList();
83
84     $f = array();
85     for ( $x=0; $x<count($rows); $x++ ) {
86         $f[] = $rows[$x]->Field;
87     }
88
89     return $f;
90 }
91
92 public function fetch_array($result) {

```

sidebar.php print_reservation.php largeimg.php add.php config.php includes

includes > database.php

```
100 public function insert_id() {
101     // get the last id inserted over the current db connection
102     return mysqli_insert_id($this->conn);
103 }
104
105 public function affected_rows() {
106     return mysqli_affected_rows($this->conn);
107 }
108
109 public function escape_value( $value ) {
110     if( $this->real_escape_string_exists ) { // PHP v4.3.0 or higher
111         // undo any magic quote effects so mysql_real_escape_string can do the work
112         if($this->magic_quotes_active) { $value = stripslashes($value); }
113         $value = mysqli_real_escape_string($this->conn,$value);
114     } else { // before PHP v4.3.0
115         // if magic quotes aren't already on then add slashes manually
116         if( !$this->magic_quotes_active ) { $value = addslashes($value); }
117         // if magic quotes are active, then the slashes already exist
118     }
119     return $value;
120 }
121
122 public function close_connection() {
123     if(isset($this->conn)) {
124         mysqli_close($this->conn);
125         unset($this->conn);
126     }
127 }
128
129 }
130 $mydb = new Database();
131
132
```

PROBLEMS OUTPUT DEBUG CONSOLE