# Eyespy\_HQ\_v1

**Assembly:** Eyespy HQ

**Classes/Modules**

|  |  |  |
| --- | --- | --- |
|  | **Name** | **Description** |
| Internal (Friend) classSupported by the .NET Compact Framework. | websiteEntries | Extract the top 10 and last 10 website visited from the database. Returns from member functions are arrays of relevant data, such as last visit dates, first visit dates and categories. |
| Internal (Friend) classSupported by the .NET Compact Framework. | websiteStatistics | Extends, inherits and aggregates websiteEntries. The parameter used for the constructor is an instance of the websiteEntries class that it will use to retrieve numerical-analysis data. |
| Public classSupported by the .NET Compact Framework. | Panel.php | Main display page holding the UI and data-analysis tables. |
| Public classSupported by the .NET Compact Framework. | Index.php | Authenticates the user and checks for valid session. |
| Public classSupported by the .NET Compact Framework. | Functions.php | Functions used within the main program body are declared here. |
| Public classSupported by the .NET Compact Framework. | Submit.php | Validates and submits inbound URL’s coming from the Core module to submit them to the database. |

Windows 8, Windows Server 2012, Windows 7, Windows Vista SP1 or later, Windows XP SP3, Windows XP SP2 x64 Edition, Windows Server 2008 (Server Core not supported), Windows Server 2008 R2 (Server Core supported with SP1 or later), Windows Server 2003 SP2.

#### PHP support

PHP 4, PHP 5

#### Phpmyadmin required

Yes

#### MySQL version/object

MySQLi

**websiteEntries Members - Class**

websiteEntries Extract the top 10 and last 10 website visited from the database. Returns from member functions are arrays of relevant data, such as last visit dates, first visit dates and categories.

**VARIABLES -**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Name** | **Access** | **Description** |
| Public methodSupported by the .NET Compact Framework. | sql | Private | The SQL connector variable. |
| Public methodSupported by the .NET Compact Framework. | top\_10\_id | Protected | Array of top 10 ID’s. |
| Public methodSupported by the .NET Compact Framework. | top\_10\_url | Protected | Array of top 10 URL’s |
| Public methodSupported by the .NET Compact Framework. | top\_10\_category | Protected | Array of top 10 categories |
| Public methodSupported by the .NET Compact Framework. | top\_10\_hitcounter | Protected | Array of top 10 hitcounters |
| Public methodSupported by the .NET Compact Framework. | top\_10\_lastvisit | Protected | Array of top 10 lastvisit dates |
| Public methodSupported by the .NET Compact Framework. | top\_10\_firstvisit | Protected | Array of top 10 firstvisit dates |
| Public methodSupported by the .NET Compact Framework. | top\_10\_lastvisit\_id | Protected | Array of last 10 id’s |
| Public methodSupported by the .NET Compact Framework. | top\_10\_lastvisit\_url | Protected | Array of last 10 URL’s |
| Public methodSupported by the .NET Compact Framework. | top\_10\_lastvisit\_category | Protected | Array of last 10 categories |
| Public methodSupported by the .NET Compact Framework. | top\_10\_lastvisit\_hitcounter | Protected | Array of last 10 hitcounters |
| Public methodSupported by the .NET Compact Framework. | top\_10\_lastvisit\_lastvisit | Protected | Array of last 10 lastvisit dates |
| Public methodSupported by the .NET Compact Framework. | top\_10\_lastvisit\_firstvisit | Protected | Array of last 10 first visit dates |
| Public methodSupported by the .NET Compact Framework. | websiteEntries | Constructor | Performs the SQL required to set all the protected  members of the class defined. |

**FUNCTIONS**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Name** | **Access** | **Description** |
| Public methodSupported by the .NET Compact Framework. | Get\_top\_10\_id | Public | Returns an array of top 10 ID’s. |
| Public methodSupported by the .NET Compact Framework. | Get\_top\_10\_url | Public | Returns an array of top 10 URL’s |
| Public methodSupported by the .NET Compact Framework. | Get\_top\_10\_category | Public | Returns an array of top 10 categories |
| Public methodSupported by the .NET Compact Framework. | Get\_top\_10\_hitcounter | Public | Returns an array of top 10 hitcounters |
| Public methodSupported by the .NET Compact Framework. | Get\_top\_10\_lastvisit | Public | Returns an array of top 10 lastvisit dates |
| Public methodSupported by the .NET Compact Framework. | Get\_top\_10\_firstvisit | Public | Returns an array of top 10 firstvisit dates |
| Public methodSupported by the .NET Compact Framework. | Get\_top\_10\_lastvisit\_id | Public | Returns an array of last 10 id’s |
| Public methodSupported by the .NET Compact Framework. | Get\_top\_10\_lastvisit\_url | Public | Returns an array of last 10 URL’s |
| Public methodSupported by the .NET Compact Framework. | Get\_top\_10\_lastvisit\_category | Public | Returns an array of last 10 categories |
| Public methodSupported by the .NET Compact Framework. | Get\_top\_10\_lastvisit\_hitcounter | Public | Returns an array of last 10 hitcounters |
| Public methodSupported by the .NET Compact Framework. | Get\_top\_10\_lastvisit\_lastvisit | Public | Returns an array of last 10 lastvisit dates |
| Public methodSupported by the .NET Compact Framework. | Get\_top\_10\_lastvisit\_firstvisit | Public | Returns an array of last 10 first visit dates |

**websiteStatistics Members - Class**

Extends, inherits and aggregates websiteEntries.  
The parameter used for the constructor is an instance of the websiteEntries class that it will use to retrieve numerical-analysis data.   
**VARIABLES -**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Name** | **Access** | **Description** |
| Public methodSupported by the .NET Compact Framework. | sql | Private | The SQL connector variable. |
| Public methodSupported by the .NET Compact Framework. | top\_10\_most\_visited\_mean | Protected | Array of top 10 most visited averaged |
| Public methodSupported by the .NET Compact Framework. | top\_10\_last\_visited\_mean | Protected | Array of last 10 most visited averaged |
| Public methodSupported by the .NET Compact Framework. | top\_10\_most\_visited\_today | Protected | Array of top 10 most visited today |
| Public methodSupported by the .NET Compact Framework. | total\_hits\_today | Protected | Integer – how many hits as of today totalled |

**Functions defined hereunder all have as parameter an instance of websiteEntriesm, from which the following functions can extend the data collection associated with the particular instance, except from get\_10\_most\_visited\_today(), where the parameters are an instance of a websiteEntries AND an instance of a websiteStatistics.**

**FUNCTIONS**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Name** | **Access** | **Description** |
| Public methodSupported by the .NET Compact Framework. | get\_top\_10\_most\_visited\_mean | Public | Returns an array of top 10 most visited averaged |
| Public methodSupported by the .NET Compact Framework. | get\_top\_10\_most\_visited\_today | Public | Returns an array of top 10 most visited averaged |
| Public methodSupported by the .NET Compact Framework. | get\_10\_most\_visited\_today | Public | Returns an array of top 10 most visited today |
| Public methodSupported by the .NET Compact Framework. | get\_total\_hits\_today | Public | Returns an integer for the total hits today |
| Public methodSupported by the .NET Compact Framework. | Thas\_usage increased\_today | Publiuc | Returns a string inside of the panel header when  called, answering the boolean of has usage increased.. |
| Public methodSupported by the .NET Compact Framework. | websiteStatistics | Constructor | Sets up the SQL connector. |

Inheritance hierarchy :

Website entries

Website statistics

**Panel Members (SCRIPT)**

Main display page holding the UI and data-analysis tables.  
**VARIABLES -**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Name** | **Access** | **Description** |
| Public methodSupported by the .NET Compact Framework. | mysqli | N/A | The SQL connector variable. |
| Public methodSupported by the .NET Compact Framework. | pw | N/A | The password variable yielded from the POST var. |
| Public methodSupported by the .NET Compact Framework. | result | N/A | MySQL query buffer/result set var. |
| Public methodSupported by the .NET Compact Framework. | \_SESSION[‘error’] | N/A | Session error related string variable. |
| Public methodSupported by the .NET Compact Framework. | \_SESSION['isActive'] | N/A | Session state. |
| Public methodSupported by the .NET Compact Framework. | request | N/A | Current action request imbedded within the URI. |
| Public methodSupported by the .NET Compact Framework. | records | N/A | Instance of the websiteEntries class |
| Public methodSupported by the .NET Compact Framework. | site | N/A | Array - Top 10 URL’s (member of records) |
| Public methodSupported by the .NET Compact Framework. | sitep | N/A | Array - Last 10 URL’s(member of records) |
| Public methodSupported by the .NET Compact Framework. | hit | N/A | Array - Top 10 hitcounters (member of records) |
| Public methodSupported by the .NET Compact Framework. | hitp | N/A | Last 10 hitcounters (member of records) |
| Public methodSupported by the .NET Compact Framework. | date | N/A | Array - Top 10 dates (member of records) |
| Public methodSupported by the .NET Compact Framework. | datep | N/A | Array - Last 10 dates (member of records) |
| Public methodSupported by the .NET Compact Framework. | firstVisit | N/A | Array - Top 10 first visits (member of records) |
| Public methodSupported by the .NET Compact Framework. | firstVisitp | N/A | Array - Last 10 first visits (member of records) |
| Public methodSupported by the .NET Compact Framework. | category | N/A | Array - Top 10 categories (member of records) |
| Public methodSupported by the .NET Compact Framework. | categoryp | N/A | Array - Last 10 categories (member of records) |
| Public methodSupported by the .NET Compact Framework. | statistics | N/A | Instance of the websiteStatistics class. |
| Public methodSupported by the .NET Compact Framework. | visit\_mean | N/A | Array - Average amount of hits for today.  (member of statistics) |
| Public methodSupported by the .NET Compact Framework. | visits\_today | N/A | Array - Top 10 most visited today  (member of statistics) |
| Public methodSupported by the .NET Compact Framework. | ordered\_visits | N/A | Array - Ascending top 10 visit today  (member of statistics) |
| Public methodSupported by the .NET Compact Framework. | total\_visits | N/A | Array - Total hits for today (member of statistics) |

**Index Members (SCRIPT)**

Authenticates and redirects the user to Panel.php.  
This script contains the FORM data for the password field.   
**VARIABLES -**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Name** | **Access** | **Description** |
| Public methodSupported by the .NET Compact Framework. | \_SESSION[‘error’] | N/A | Session error related string variable. |
| Public methodSupported by the .NET Compact Framework. | \_SESSION['isActive'] | N/A | Session state. |

**Submit Members (SCRIPT)**

Handles data sent by the Eyespy Core HTTPWriter module, validation and submission is done here.   
**VARIABLES -**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Name** | **Access** | **Description** |
| Public methodSupported by the .NET Compact Framework. | mysqli | N/A | The SQL connector variable. |
| Public methodSupported by the .NET Compact Framework. | date | N/A | Today’s date. |
| Public methodSupported by the .NET Compact Framework. | URL | N/A | URL extracted via POST method. |
| Public methodSupported by the .NET Compact Framework. | result | N/A | Query buffer for MySQLI query |
| Public methodSupported by the .NET Compact Framework. | Data | N/A | Result set form the above query buffer |
| Public methodSupported by the .NET Compact Framework. | Hit | N/A | Hitcounter for existing website of above URL. |
| Public methodSupported by the .NET Compact Framework. | Id | N/A | ID of URL above. |
| Public methodSupported by the .NET Compact Framework. | Lastvisit | N/A | Lastvisit for URL above. |
| Public methodSupported by the .NET Compact Framework. | Hits\_today | N/A | Hits for the last visit date of the above URL |
| Public methodSupported by the .NET Compact Framework. | Now | N/A | Today date and time |
| Public methodSupported by the .NET Compact Framework. | Difference | N/A | Difference between the lastvisit and today |
| Public methodSupported by the .NET Compact Framework. | Entry\_update\_hitcounter | N/A | SQL query to update hitconter for URL above. |
| Public methodSupported by the .NET Compact Framework. | Entry\_update\_lastvisit | N/A | SQL query to update the last visit for URL above. |
| Public methodSupported by the .NET Compact Framework. | Entry\_update\_hits\_today | N/A | SQL query to update the hits for today. |
| Public methodSupported by the .NET Compact Framework. | Category | N/A | Category from the POST variable from Core. |
| Public methodSupported by the .NET Compact Framework. | Q | N/A | SQL query buffer. |
| Public methodSupported by the .NET Compact Framework. | Data | N/A | Result set from the Q-buffer defined above. |
| Public methodSupported by the .NET Compact Framework. | Category\_id | N/A | Category ID of an existing category. |
| Public methodSupported by the .NET Compact Framework. | qprime | N/A | Secondary SQL buffer (so as to not over write the  original q- buffer) |
| Public methodSupported by the .NET Compact Framework. | Result | N/A | Result for q-prime buffer (same as q buffer) |
| Public methodSupported by the .NET Compact Framework. | Website\_id | N/A | ID of existing website for category insertion |

**Function Members (SCRIPT)**

Handles data sent by the Eyespy Core HTTPWriter module, validation and submission is done here.   
**FUNCTIONS AND METHODS -**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Name** | **Access** | **Description** |
| Public methodSupported by the .NET Compact Framework. | redirect (url) | N/A | Redirect to URL parameter. |
| Public methodSupported by the .NET Compact Framework. | isClean(data) | N/A | Check if data (parameter) matches the  alphanumeric regex validation.  Returns Boolean |
| Public methodSupported by the .NET Compact Framework. | gerRequest | N/A | Returns the action-request form the URI. |