# Second Year Computing

# Web Programming and Databases

**Security Lab Sheet**

**To be completed on or before Friday March 28th**

**Save the files relating to this lab sheet in M:\WebDev\ *YourName\*Securitylab**

**e.g M:\WebDev\Joe Bloggs\Securitylab**

Upload the files to the httpdocs/Securitylab folder (you need to create this folder) on the server and run the files from your browser. *Yourcomnumber*.candept.com/Securitylab

If you make any changes to these files within Plesk, ensure that you put the updates back in your M drive.

Complete an AI Disclosure document for this lab sheet and make it available on the M drive and in the Plesk account in the php4 folder.The template is on Blackboard

Use a **member** table with the following fields:

MemberId Can be an auto increment

Name

EmailAddress

IpAddress

Using an html form allow the user to enter details for the name, email address and ip address for a member.

All three fields are required.

In addition to any validation done on the client side (HTML or Javascript), the following need to be done on the server side (in PHP) before inserting a new record with these details into the table.

**Sanitize and validate the string for the name** (ensure that the string is not empty, before and after sanitizing).

Use filter\_var with FILTER\_SANITIZE\_STRING

**Sanitize and validate the email address**

Use filter\_var with FILTER\_SANITIZE\_EMAIL and FILTER\_VALIDATE\_EMAIL

**Validate the ip address**

Use filter\_var with FILTER\_VALIDATE\_IP

If the sanitizing and validation are not ok, display error messages to that effect, otherwise **insert the record to the member table.**

The following should provide all the help you need:

The slide show for security – Creating secure php Websites , on Blackboard

[Sanitize and Validate Data with PHP Filters (tutsplus.com)](https://code.tutsplus.com/tutorials/sanitize-and-validate-data-with-php-filters--net-2595)

<https://www.w3schools.com/php/php_ref_filter.asp>