PHP SECUTILLY 2 Jupiter Zhuo

What is possibly the most basic threat to the safety of your users' data, input abuse

- o Input Metacharacters
- o Input Wrong type
- ø Input Wrong Length
- o Input containing unexpected command
- e Entry data into hidden Interfaces

What should we do

- o Turning off Global Variable
- o Declare Variable
- Anticipate expected input meet your expectation
- e check length, type, and format
- o Sanitize & Validation user input

Filtering, Validation and output escaping

- What is Filtering => Filtering is transform
 value ex: strip_tag()
- What is Validation => Validation Verifies
 value and performed against a set of
 rules ex : str_len()
- What is output escaping => Make
 information safe to display & can involve
 literally escaping value (ex: Quotes)

Why Filtering, Validation and output escaping (Golden Rule)

- Important component in protecting against common Attack
- o Prevent Break in strings
- o Help to keep data "clean"
- Note: Sometimes validation is more appropriate than filtering

What are the most common PHP filtering function and Techniques?

- e Changing Data Type
- o Strip_tags function
- ø str_replace function
- o preg_replace function



What are the most common PHP Validation function and Techniques?

- o ctype function
- ø stripos function
 - o stroos case sensitive
- o preg_match function
- o validation by Lookup



What are the most common PHP output escaping function and Techniques?

- o heml entities function
- o html_specialchars function

Sanitize Data Using Filer var

- Common validation filters
 - o filter_var() with validation return true false
 - @ FILTER_VALIDATE_EMAIL
 - @ FILTER_VALIDATE_INT
 - @ FILTER_VALIDATE_IP
- Common sanitization filters
 - o filter_var() with "sanitize" filters cause filtering to take place
 - @ FILTER_SANITIZE_EMAIL
 - @ FILTER_SANITIZE_NUMBER_INT

Lab

- o Filtering and validating POSTED FORM DATA
 - o Modify add member
 - o add validation for all field
 - o add filtering for appropriate fields
 - o Add appropriate validation message for each field
 - Make sure invalid entries are not added to database
 - o Test against attack