

IT Asset Manager - Coding Standards

The IT Asset Manager is coded using the PHP-based CodeIgniter framework. Except where noted below, all coding styles should follow the CodeIgniter 3.1 style guide located at https://codeigniter.com/user_guide/general/styleguide.html

These standards include, but are not limited to:

- UTF-8 Encoding
- Uppercase-First naming for Class files.
- lowercase naming for other files.
- Omitting the PHP closing tag on a PHP document. (may cause errors with framework)
- Short and lowercase variable names.
- Uppercase CONSTANTS
- Uppercase TRUE, FALSE, and NULL
- Logical operators should be “OR” and “&&”, and “!” should be spaced on both sides
- Use === and !== for strict return checking.
- No whitespace before PHP tag.
- Unix line breaks (For Windows developers)
- Allman style braces
- Localized text using language files
- Use isset() when checking variables.
- One statement per line
- Use function argument defaults when possible

Globals:

Global variables should not be used anywhere in the system except to define environment variables (located in the `.env` file at the root of the application) used for security.

Database Queries:

To prevent any potential SQL injections, queries should be built with individual keyword statements. These statement are put together with the CodeIgniter `get()` function. Example:

```
$this->db->select('column_name');  
$this->db->from('table');  
$this->db->where('condition');  
return $this->db->get();
```

NOT

```
return $this->db->query("SELECT column_name FROM table WHERE condition");
```