

Example 5-3. The dog.class with exception handling

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<?php
class Dog
{
// ----- Properties -----
private $dog_weight = 0;
private $dog_breed = "no breed";
private $dog_color = "no color";
private $dog_name = "no name";
private $error_message = "??";
private $breedxml = "";
// ----- Constructor -----
function __construct($properties_array)
{
    if (method_exists('dog_container', 'create_object')) {
        $this->breedxml = $properties_array[4];
        $name_error = $this->set_dog_name($properties_array[0]) == TRUE ? 'TRUE,' : 'FALSE,';
        $color_error = $this->set_dog_color($properties_array[2]) == TRUE ? 'TRUE,' : 'FALSE,';
        $weight_error = $this->set_dog_weight($properties_array[3]) == TRUE ? 'TRUE' : 'FALSE';
        $breed_error = $this->set_dog_breed($properties_array[1]) == TRUE ? 'TRUE,' : 'FALSE,';
        $this->error_message = $name_error . $breed_error . $color_error . $weight_error;
        if(stristr($this->error_message, 'FALSE'))
        {
            throw new setException($this->error_message);
        }
    }
    else { exit; }
}

function set_dog_name($value) {
    $error_message = TRUE;
    (ctype_alpha($value) && strlen($value) <= 20) ? $this->dog_name = $value : $this->error_
message = FALSE;
    return $this->error_message; }
function set_dog_weight($value) {
    $error_message = TRUE;
    (ctype_digit($value) && ($value > 0 && $value <= 120)) ? $this->dog_weight = $value :
$this->error_message = FALSE;
    return $this->error_message; }
function set_dog_breed($value) {
    $error_message = TRUE;
    ($this->validator_breed($value) === TRUE) ? $this->dog_breed = $value : $this->error_
message = FALSE;
    return $this->error_message; }
function set_dog_color($value) {
    $error_message = TRUE;
    (ctype_alpha($value) && strlen($value) <= 15) ? $this->dog_color = $value : $this->error_
message = FALSE;
    return $this->error_message; }

```