

```

<?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 = "";
private $insert = FALSE;
private $index = -1;

```

At the top of the Dog class properties, `$insert` and `$index` are created to hold the values passed from the `properties_array` by the `dog_interface` program. `$index` is initially set to `-1`, indicating the default of assuming that the user either selected NEW or did not select a dog from the dogs list box (in `lab.php`).

```

if((is_bool($properties_array[5])) && ($properties_array[6] > -1))
{ // confirms true or false and valid index or takes default
    $this->insert = $properties_array[5];
    $this->index = $properties_array[6];
}
$this->change_dog_data("Insert/Update");
}
if(is_numeric($properties_array))
{ // confirms valid index don't delete if not valid
    $this->index = $properties_array;
    $this->change_dog_data("Delete");
}

```

In the constructor, after the dog values (`dog_name`, `dog_breed`, `dog_weight`, and `dog_color`) have been validated, the `insert` and `index` values also need to be validated. The `if` statement shown uses the PHP method `is_bool` to determine if the value in `$properties_array[5]` is TRUE or FALSE. `$properties_array[5]` is the location of the value from the `insert` property. (It's set to TRUE if it is an insert and set to FALSE if it is an Update). The `if` statement also determines if the value in `$properties_array[6]` is greater than `-1`. A value greater than `-1` indicates an update or deletion. A value of `-1` indicates an insertion request. If valid, the values are placed into `$this->insert` and `$this->index`. Then the private method called `change_dog_data` is called passing in "insert/update".

The next `if` statement uses the PHP method `is_numeric` to determine if `$properties_array` is not actually an array and that it contains a number. If this is true, the index of the dog to be removed has been passed. If this is the case, then `$property_array` (containing the index to be deleted) is placed in `$this->index` and the private method called `change_dog_data` is called passing in "delete".

```

private function change_dog_data($type)
{
if ( file_exists("e8dog_container.php")) {
    require_once("e8dog_container.php"); // use chapter 5 container w exception handling
} else {
    throw new Exception("Dog container file missing or corrupt");
}
}

```