Static Class, Properties, and Methods
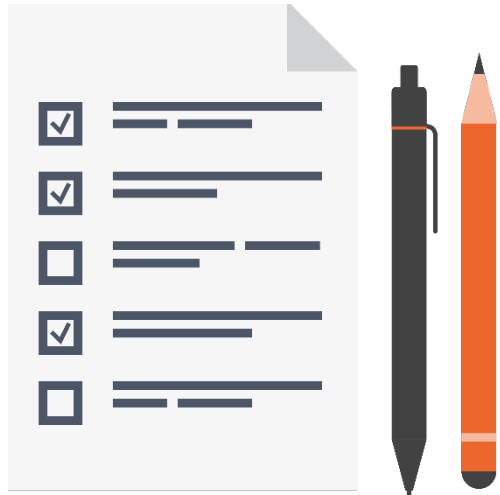

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Static Class, Properties, and Methods
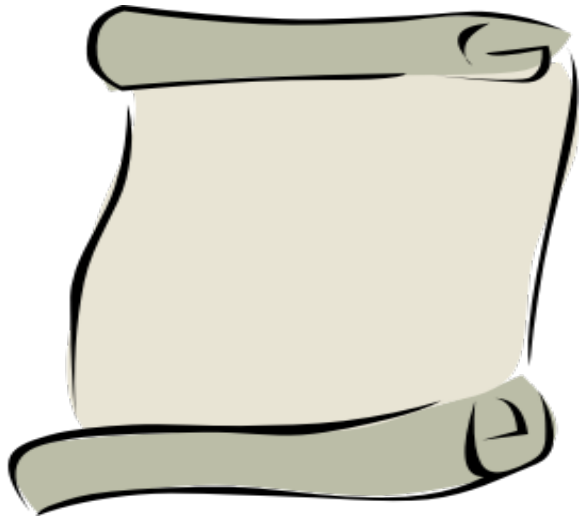
The static keyword

Static properties and methods

Static scope and resolution operator
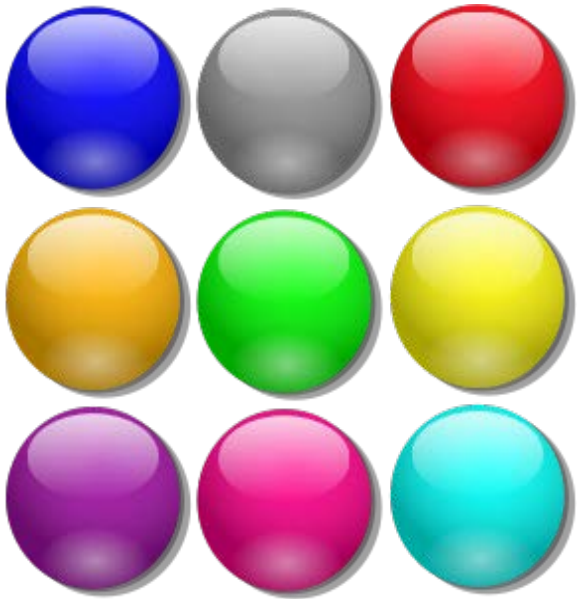
How are static properties and methods accessed

Best practices related to static uses

What Is a Static Declaration

Using the static keyword
What does the static declaration do

The Static Property

Just about any PHP data type
Scalars, arrays and objects
Singleton design pattern

What Can Be Declared Static

Pure static classes
Class properties
Class methods

Static and Object Context

Static context
Object context

Static Declaration Syntax

Class properties and methods are declared static with the static keyword. This makes the properties and methods accessible without an object instance.
Best Practice: Use to obtain singletons and as utility functionality that doesn't seem to fit anywhere else.

IDE place holder

Concerns with Static Members

Not instantiated, not object-oriented
Inflexible values
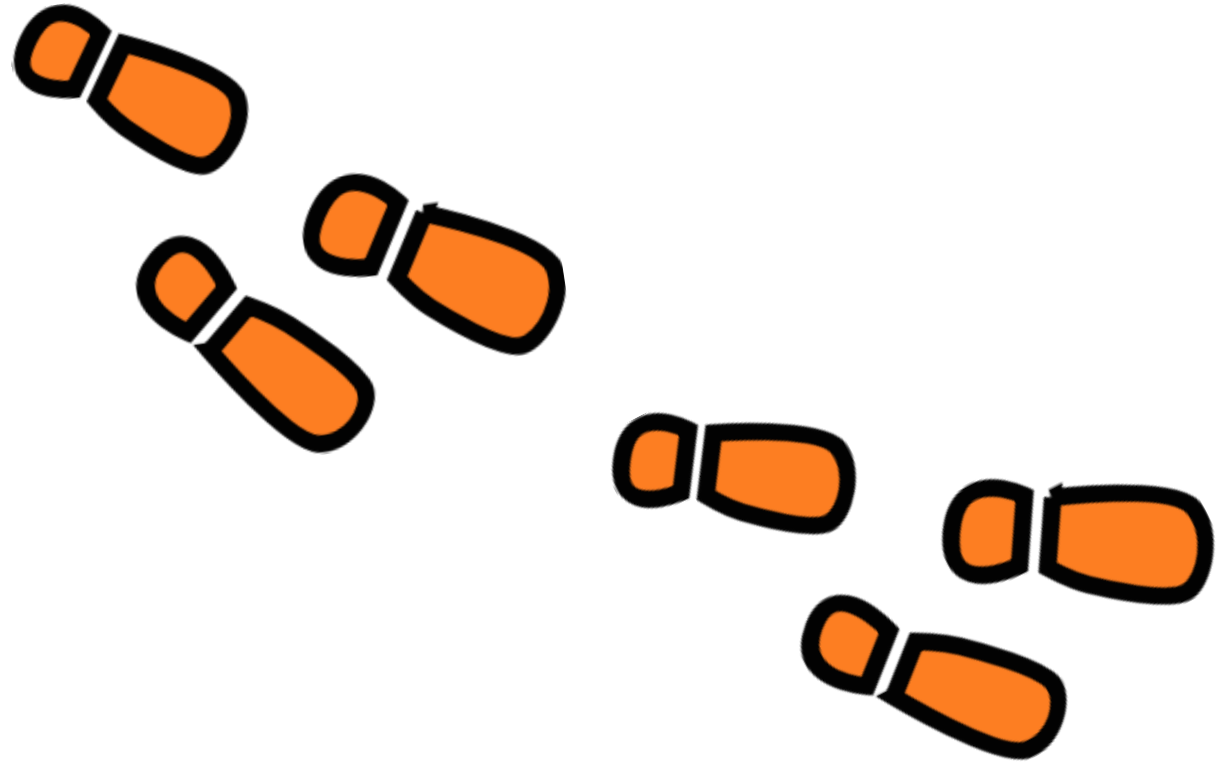Cannot override
Problems with unit testing

Form Class Walk Through

Instantiate a form class object
Instantiate input objects
Present the dynamic form in the browser

IDE place holder

Debug Step Through
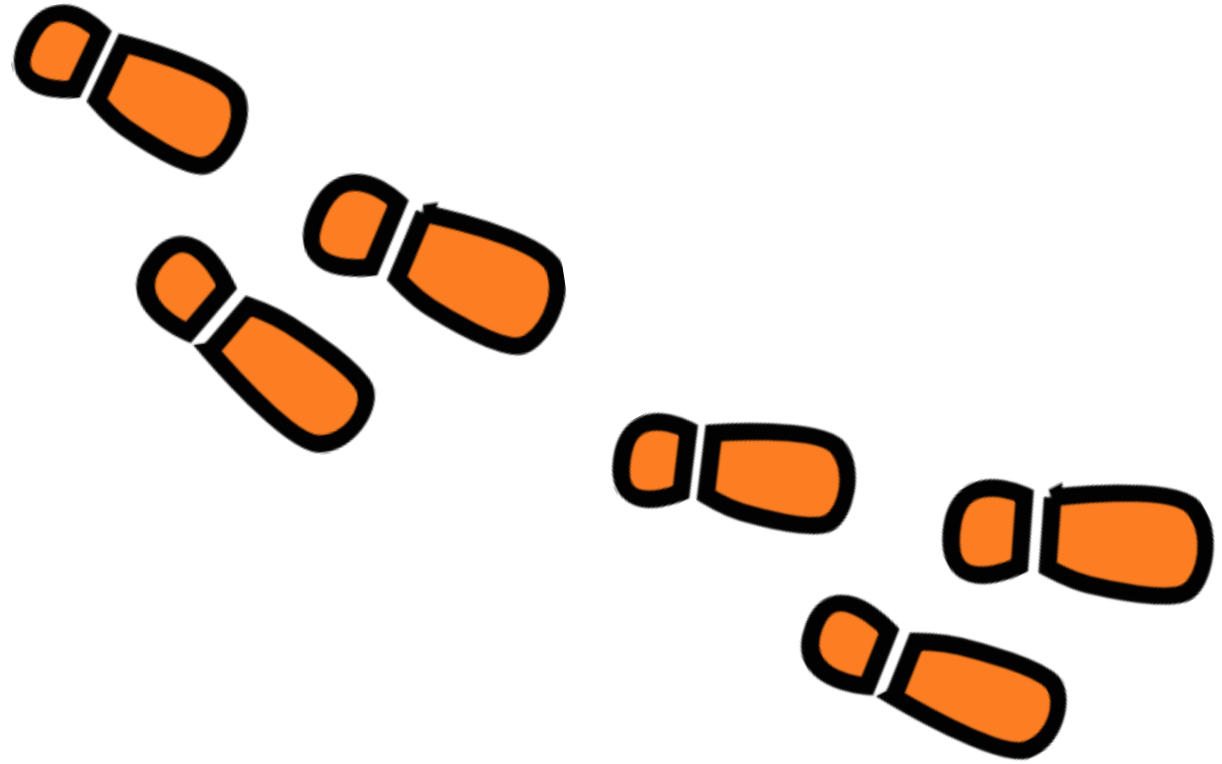
The Walk Through Clip 2

Form Class Walk Through (Continued)

Add form data and submit
Receive input data on the server
Validate input using a static class
Send a thank you

IDE place holder

Debug Step Through

IDE place holder

Example Summary

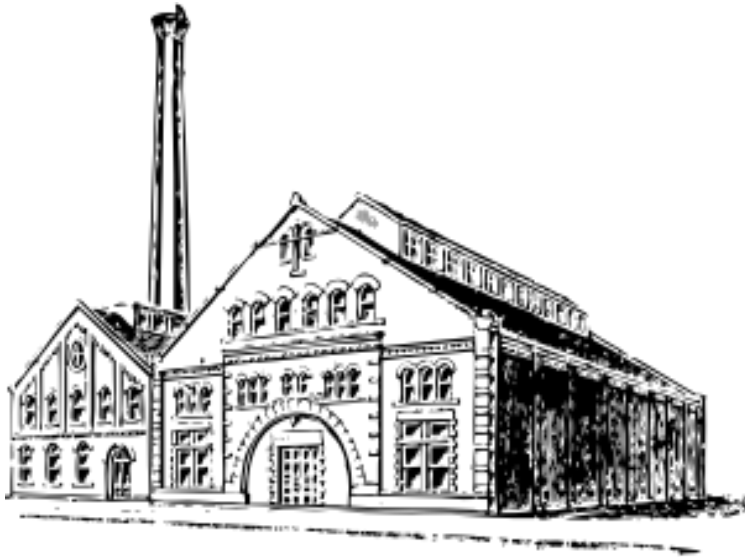Form and input text classes for both processes
A static class example for string length validation

Build Singletons Walk Through

Static factory class description
Supporting class description
Object-oriented database interaction
A session class description
View container class description

Object Factory Service

A static class example
Creates singletons
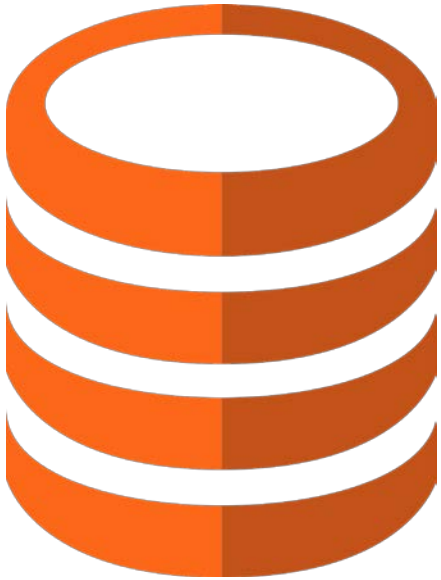
IDE place holder

The Session Class

Creates and destroys sessions
Manages state data to and from the session store

IDE place holder
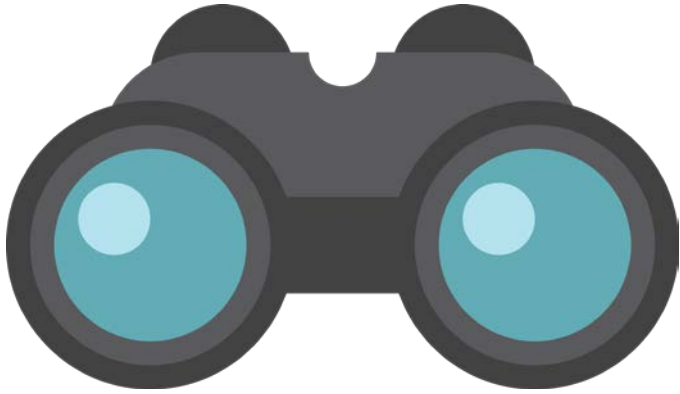
The Model Class

Interacts with the database
Delivers what data is needed

IDE place holder

The View Class

A container of data
Delivers the browser response

IDE place holder

Build Singletons Walk Through (Continued)

Walk through the application

IDE place holder

Example Summary

The object factory service static class
Creates the db, session, model and view
instances
Pulls everything together with the new
objects