

SilverStripe Cheat Sheet 1.0

Data Model	
DataObjectSet	<code>DataObject::get(\$obj, \$filter, \$sort, \$join, \$limit);</code>
DataObject	<code>DataObject::get_one(\$obj, \$filter);</code>
	<code>DataObject::get_by_id(\$obj, \$id);</code>
Form Field Types	
TextField	<code>\$name, [\$title], [\$value], [\$maxLength]</code>
TextareaField	<code>\$name, [\$title], [\$rows = 5], [\$cols = 20], [\$value]</code>
CheckboxField	<code>\$name, [\$title], [\$value], [\$rightTitle]</code>
CheckboxSetField	<code>\$name, [\$title], [\$source], [\$value]</code>
OptionsetField	<code>\$name, [\$title], [\$source], [\$value]</code>
DropdownField	<code>\$name, [\$title], [\$source], [\$value], [\$emptyString]</code>
GroupedDropdownField	<code>\$name, [\$title], [\$source], [\$value], [\$emptyString]</code>
ListBoxField	<code>\$name, [\$title], [\$source], [\$value], [\$size], [\$multiple]</code>
NumericField	<code>\$name, [\$title], [\$value], [\$maxLength]</code>
CurrencyField	<code>\$name, [\$title], [\$value], [\$maxLength]</code>
EmailField	<code>\$name, [\$title], [\$value], [\$maxLength]</code>
PasswordField	<code>\$name, [\$title], [\$value], [\$maxLength]</code>
ConfirmedPasswordField	<code>\$name, [\$title], [\$value], [\$showOnClick = false], ...</code>
HtmlEditorField	<code>\$name, [\$title], [\$rows = 20], [\$cols = 20], [\$value]</code>
DateField	<code>\$name, [\$title], [\$value], [\$maxLength]</code>
TimeField	<code>\$name, [\$title], [\$value], [\$timeformat = "g:ia"]</code>
CalendarDateField	<code>\$name, [\$title], [\$value], [\$maxLength]</code>
CompositeDateField	<code>\$name, [\$title], [\$value], [\$yearRange]</code>
DMYCalendarDateField	<code>\$name, [\$title], [\$value], [\$maxLength]</code>
FileField	<code>\$name, [\$title], [\$value], [\$rightTitle], [\$folderName]</code>
FileIFrameField	<code>\$name, [\$title], [\$value], [\$rightTitle], [\$folderName]</code>
SimpleImageField	<code>\$name, [\$title], [\$value], [\$rightTitle], [\$folderName]</code>
ImageField	<code>\$name, [\$title], [\$value], [\$rightTitle], [\$folderName]</code>
FieldSet	<code>[\$field1], [\$field2], ...</code>
CompositeField	<code>[\$field1], [\$field2], ...</code>
FormAction	<code>\$action, [\$title], [\$extraData], [\$extraClass]</code>

Built-in Template Controls	
Control Menus	<code><% control Menu(1) %></code>
	<code><% control ChildrenOf(1) %></code>
Control Pages	<code><% control Level(1) %></code>
	<code><% control Page(my-page) %></code>
Control Children	<code><% control Children %></code>
	<code><% control AllChildren %></code>
Control Parent	<code><% control Parent %></code>
Bread Crumbs	<code><% control Breadcrumbs %></code>
	<code><% control Breadcrumbs(3) %></code>
Members	<code><% control CurrentMember %></code>

Built-in Template Variables & Functions

Links	<code>\$LinkingMode</code>
	<code>\$LinkOrCurrent</code>
	<code>\$linkOrSection</code>
	<code><% if InSection(page-url) %></code>
Page Options	<code>\$MetaTags, \$MenuTitle, \$Title</code>
	<code>\$URLSegment, \$ClassName, \$BaseHref</code>
Members	<code>\$CurrentMember</code>
	<code>\$PastMember, \$PastVisitor</code>
Date & Time	<code>\$Now.Nice, \$Now.Year</code>
	<code>\$Created.Nice, \$Created.Ago</code>
	<code>\$lastEdited.Nice, \$LastEdited.Ago</code>
DataObjectSet	<code>\$Even, \$Odd, \$EvenOdd, \$Pos, \$TotalItems</code>
	<code>\$First, \$Last, \$Middle, \$FirstLast</code>

Debugging	
Display Variable	Debug::show(\$variable)
Display Message	Debug::message("Debug message")
Display Backtrace	Debug::backtrace()
Show Queries	?showqueries=1
Show Insert/Updates	?previewwrite=1
Show Debug Info	?debug=1
Extra Controller Info	?debug_controller=1
Template Information	?showtemplate=1
Profiler Information	?debug_profile=1

DataObjectDecorator

Add to Object

```
DataObject::add_extension($class, $decorator);
Object::add_extension($class, $decorator);
```

Add Extra Fields and Relations

```
function extraStatics() {
    return array(
        'db' => array(
            'NewField' => 'Varchar'
        ),
        'has_one' => array(
            'NewRelation' => 'OtherObject'
        )
    );
}
```

Modify CMS Fields

```
public function updateCMSFields(&$fields) {}
```

Augmenting the Database

```
function augmentDatabase() {
    // actions performed on dev/build
}
```

Augmenting Queries

```
function augmentWrite(&$manipulation) {}
function augmentSQL(&$query) {}
```

Data Types	
Int	.Formatted
Time	.Nice
Decimal	.Nice
Enum	.ATT, .RAW
Float	.Nice
Double	.Nice
Decimal	.Nice
Percentage	.Nice
Currency	.Nice .Whole
Date	.URLDate .Nice .Long .DayOfMonth .Day .Range(date2) .Format(Y-m-d) .ShortMonth .Year .RangeString(date2) .Time .Time24 .Ago .InPast
Boolean	
Text	.ATT .RAW .FirstParagraph .FirstSentence .LimitWordCount(50) .Symmary(50) .BigSummary(50)
Varchar	.ATT .RAW .Initial .LowerCase .LimitCharacters(20)
HTMLVarchar	See <i>Varchar</i>
HTMLText	.NoHTML See also <i>Text</i>

Images	
Functions	resize(\$width, \$height) resizeRatio(\$width, \$height) paddedResize(\$width, \$height) croppedResize(\$width, \$height) resizeByHeight(\$height) resizeByWidth(\$width) Greyscale(\$r, \$g, \$b) getHeight() getWidth() getOrientation()
Templates	\$Image.SetWidth(80) \$Image.SetHeight(80) \$Image.Width, \$Image.Height \$Image.Orientation \$Image.Filename, \$Image.URL

Model Admin

Statics	public static \$managed_models static \$url_segment static \$menu_title static \$model_importers
Data Object	static \$singular_name static \$plural_name static \$searchable_fields static \$summary_fields