

Iliad developer's guide

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Introduction

Iliad is a Smalltalk web application framework. Heavily based on reusable stateful widgets, Iliad lets you build powerful dynamic applications easily. It allows you to trigger Smalltalk code when an user clicks on a link or submits a form instead of bothering you with low level details.

Thanks to its JavaScript layer Iliad automatically uses AJAX requests to update the client state, and it will nicely degrade to normal requests if JavaScript is not enabled, so you don't have to bother about that either.

Resources

Here is a short list of Iliad related resources:

- the main website of Iliad (<http://www.iliadproject.org>);
- Iliad mailing-list (<http://groups.google.fr/group/iliad>);
- the issue tracker (<http://code.google.com/p/iliadproject/issues>).

A work in progress

Iliad's documentation is evolving. We are looking for contributors to help us improve this documentation.

Chapter 1

Downloading and installing Iliad

Iliad is currently available for GNU Smalltalk, Squeak and Pharo. In this chapter you will find detailed installation instructions for each supported Smalltalk dialect.

1.1 Installing on GNU Smalltalk

`gst-package`

With *GNU Smalltalk* 3.2 or newer, `gst-package` can be used to download and install Iliad.

```
~$ gst-package --download grease -t ~/.st
~$ gst-package --download iliad -t ~/.st
```

Git

You can download Iliad by cloning the *Git* repository.

```
~$ git clone http://github.com/NicolasPetton/Grease.git
~$ cd Grease
~$ gst-package -t ~/.st ./package.xml

~$ git clone git://github.com/NicolasPetton/iliad-stable.git
~$ cd iliad-stable
~$ ./scripts/make_packages
```

1.2 Installing on Pharo Smalltalk

Using Metacello

Download ConfigurationOfIliad package from the Metacello repository from squeaksource :

```
MCHttpRepository
location: 'http://www.squeaksource.com/MetacelloRepository'
user: ''
password: ''
Open a workspace and do-it:
ConfigurationOfIliad load
```

Manually

Load Swazoo 2.2 (<http://www.squeaksource.com/Swazoo>) and Grease (<http://www.squeaksource.com/Seaside30>) from SqueakSource. Load packages from the SqueakSource repository (<http://www.squeaksource.com/iliad>) in the following order:

- Iliad-Core
- Iliad-Swazoo
- Iliad-More-UI
- Iliad-More-Rss
- Iliad-More-Formula
- Iliad-More-Comet
- Iliad-More-Examples
- Iliad-More-Tests

1.3 Loading and starting Iliad

Iliad is webserver agnostic. However, only one server adapter for Swazoo (<http://www.swazoo.org>) has been written so far. This adapter is available for Pharo Smalltalk and GNU Smalltalk.

1.3.1 GNU Smalltalk

The start script

The git repository of Iliad includes a `start` script, which will create an image with all required packages loaded and start Iliad with `gst-remote`.

```
~$ ./scripts/start -p PORT
```

gst's REPL

You can load Iliad packages into a GNU Smalltalk image with the PackageLoader. When using gst's REPL, you will have to suspend the active process to make Swazoo listen to a given port:

```
st> PackageLoader fileInPackage: 'Iliad'  
st> Iliad.SwazooIliad startOn: 8888  
st> processor activeProcess suspend
```

With gst-remote

You can create a bash script and use it to load the desired packages and start Iliad:

```
#!/bin/bash  
  
# load packages into a new image named iliad.im  
echo "PackageLoader fileInPackage: 'Iliad'. ObjectMemory snapshot: 'iliad.im'" | gst  
  
# start gst-remote with the image  
gst-remote --server -I iliad.im &  
sleep 2  
  
# start Swazoo on port 8888  
gst-remote --eval "Iliad.SwazooIliad startOn: 8888"
```

1.3.2 Pharo Smalltalk

To start Swazoo with the Iliad adapter, *do-it*:

```
SwazooIliad startOn: 8888
```

1.4 Testing the installation

Open 'http://localhost:8888/browse' (<http://localhost:8888/browse>) in your browser. You should see the list of loaded Iliad applications.

Chapter 2

Short tutorial

In this short tutorial we will build our first Iliad widget: a simple counter. Widgets (see chapter 5 [Widgets] on page 35) are high-level reusable, stateful, graphical objects. We will create the class and a method to build HTML, then add some behavior to increase and decrease the counter.

Our first widget

Widgets are subclasses of ILWidget. Our widget will have a `count` *instance variable*, initialized to zero.

```
Iliad.ILWidget subclass: CounterWidget [  
    | count |  
  
    initialize [  
        super initiliaze.  
        count := 0  
    ]  
]
```

To build HTML Iliad calls the `#contents` method of a widget. This method answers a buildable object: almost always a *block closure* or another widget.

```
contents [  
    ^[:e | e h1: count printString]  
]
```

Action methods

Now we can add action methods to increase and decrease the counter.

```

increase [
    count := count + 1
]

decrease [
    count := count - 1
]

```

To allow the user to increase or decrease the counter, we build anchors which will call the action methods (see section 3.3 [Actions] on page 27), and modify the `contents` method as follow.

```

contents [
    ^[:e |
        e h1: self count printString.
        e a
            action: [self increase];
            text: '++'.
        e a
            action: [self decrease];
            text: '++']
]

```

To tell Iliad that the state of the counter has changed and that it should be rebuilt, we call its `#markDirty` method in the action methods.

```

increase [
    count := count + 1.
    self markDirty
]

decrease [
    count := count - 1.
    self markDirty
]

```

Using the counter widget in an application

To see our widget in action, we build it in an application. Applications (see chapter 4 [Applications] on page 31) are similar to widgets except that they dispatch requests in *controller methods*, similar to the `#contents` method of widgets. The default controller method is `#index`.

```

Iliad.ILApplication subclass: CounterApplication [

    CounterApplication class >> path [
        ^'counter'
    ]
]

```

```
]

counterWidget [
    ^counterWidget ifNil: [counterWidget := CounterWidget new]
]

index [
    <category: 'controllers'>
    ^self counterWidget
]
]
```

The class side `#path` method answers the base path of our application.

Chapter 3

Elements

Elements are low-level stateless objects composed in a tree to build valid (X)HTML. For each element class there is a corresponding HTML tag. This means you will never have to worry about writing valid HTML yourself, but instead use the element API to build HTML in Smalltalk.

`#contents` methods of widgets (see chapter 5 [Widgets] on page 35) or *controller methods* of applications (see chapter 4 [Applications] on page 31) are called by Iliad to build HTML using elements.

3.1 Composing the element tree

Adding elements

`ILHTMLBuilderElement` is the root class of the HTML element hierarchy. It has convenience methods for adding other HTML elements, and manipulate HTML attributes. These convenience methods follow HTML tag and attribute names. You can browse them in the `adding-convenience` protocol. All HTML elements inherit these methods.

The API provides the `#add:` method for adding a child to an element. Convenience methods use this method to compose the tree of elements.

```
p [
  <category: 'adding-convenience'>
  ^self add: ILParagraphElement new
]
```

The HTML API

Each element in the tree represents a given HTML tag. Each attribute of an element has a corresponding HTML tag attribute. We compose HTML by

combining the two kind of methods. As methods are named depending on the HTML tag they represent, building HTML with Iliad looks very similar to actual HTML code.

The following example

```
e p: 'Hello world'.
e br.
e a
  href: 'http://www.iliadproject.org';
  text: 'Iliad website'.
```

Will produce the HTML:

```
<p>Hello world</p>
<br/>
<a href='http://www.iliadproject.org'>Iliad website</a>
```

Most of the time you won't have to learn the HTML API if you already know the HTML tag names or attributes you want to write. If you can't find the name of a convenience method, you can browse the `ILHTMLBuilderElement` class and its subclasses in `Iliad-Core-HTMLElements`.

3.2 Elements and buildables

Buildable objects are high-level stateful graphical objects. They use elements to build themselves as HTML. They must implement the `#buildOn:` method, taking an element as parameter.

A buildable object can be built on an element with the `ILElement>>build:` method.

Default buildable objects in Iliad includes *Block closures* and *Widgets*.

```
div build: [:e | e text: 'hello world'].
div build: myWidget.
```

Buildables should never be built using their `#contents` method or the `ILElement>>add:` method. Therefore, the following example is not valid.

```
e add: myWidget contents. "Not valid"
e build: myWidget. "Valid"
```

Block closures can be used to make building methods simpler by nesting elements.

```
| div a |
div := e div.
a := div a.
a href: 'http://www.iliadproject.org'.
```

```
a img
  src: 'iliad.png';
  alt: 'Iliad logo'.
div h1: 'Iliad rocks!'
```

Can be written:

```
e div build: [:div |
  div a build: [:a |
    a href: 'http://www.iliadproject.org'.
    a img
      src: 'iliad.png';
      alt: 'Iliad logo'].
  div h1: 'Iliad rocks!']
```

And will build the following HTML code:

```
<div>
  <a href='http://www.iliadproject.org'>
    <img src='iliad.png' alt='Iliad logo' />
  </a>
  <h1>Iliad rocks!</h1>
</div>
```

3.3 Actions

Buildables can do more than just build HTML. They can behave, change their state and react to user interactions through Smalltalk code evaluated in actions.

Instead of having to parse URLs and requests, Iliad uses action objects to trigger Smalltalk code when the user interacts with the page, clicks on a link or submits a form. An *action* is an Iliad object with a Smalltalk block associated to an id, but we will often refer to the block of an action as the action itself.

Actions in anchors

The `ILAnchorElement` class provides the `#action:` method to associate an action block to the anchor.

```
e a
  text: 'Click!';
  action: [Transcript show: 'Anchor clicked.']
```

Because `#action:` will add an `href` attribute with a generated URL, anchors can't have both an associated action and an `href`.

```
e a
  text: 'Click!';
  action: [Transcript show: 'Anchor clicked.'; cr];
  href: 'http://www.smalltalk.org' "This will override the href set by #action:"
```

The counter widget example in *Iliad-More-Examples* is a good example of actions in anchors.

```
contents [
  ^[:e |
    e h1: self count printString.
    e a
      action: [self increase];
      text: '++'.
    e space.
    e a
      action: [self decrease];
      text: '--']
]
```

Actions in forms

Form elements can also have actions, evaluated when the form is submitted. We can modify the `#contents` method of the counter example to use a form and buttons instead of anchors.

```
contents [
  ^[:e |
    e h1: self count printString.
    e form build: [:form |
      form button
        text: '++';
        action: [self increase].
      form button
        text: '--';
        action: [self decrease]]]
]
```

Some form elements like inputs or textareas take a one argument action block. The argument is the value entered by the user.

```
e form build: [:form |
  form input action: [:val | self doSomethingWith: val].
  form button text: 'Ok']
```

3.4 DOM events

Iliad provides a simple API to associate JavaScript code to DOM events (click, focus, etc.) in the `accessing attributes-events` method protocol. The main method is `#on:add:` which takes two strings as arguments, the first one for the event, and the last one for the associated JavaScript code. Many shortcut methods exist for specific events, like `#onClick:` or `#onFocus:`.

```
e p
  text: 'Click';
  onClick: 'alert("clicked!");'.
```

If an element cannot be associated with a DOM event, an `ILAttributeNotUnderstood` error will be raised.

Evaluating actions on DOM Events

It is also possible to associate actions to DOM events. Names of methods follow the same convention, but end with *do*: and take a block as parameter.

```
e p
  text: 'An action block is evaluated on a click event';
  onClickDo: [Transcript show: 'Clicked!'; cr]
```


Chapter 4

Applications

An application is the root of a buildable object tree composing the user interface. Applications are used to dispatch requests to other buildables, typically widgets (see chapter 5 [Widgets] on page 35), and hold their state. Unlike widgets they don't have one building method but several *controller methods* used to dispatch requests to the right buildable object.

Application instances are handled by the framework. Iliad stores one instance of an application class per session, which will persist through requests.

4.1 The base path

Each application class should have an unique *base path*, a string corresponding to the path of the application. The base path is answered by class method `path`.

```
Iliad.ILApplication subclass: MyApplication [  
  MyApplication class >> path [  
    "Answer the base path of the application"  
    ^'my_application'  
  ]  
]
```

During a request processing, Iliad will determine to which application the request will be dispatched depending on its base path. If Iliad is running on port 8888, instances of `MyApplication` will be reached at:

```
http://localhost:8888/my_application
```

By default, `ILApplication`'s `path` is the empty string. This means the class method `path` must be overridden, else the application will not be reachable.

The base path of an application is an absolute path and can freely be composed with `'/'`. We can for example create two application classes with the same first path fragment: `'/foo/bar'` and `'/foo/baz'`.

4.2 Controller methods

Controller methods are building methods used to dispatch requests. The application will dispatch the request to the method named after the next fragment of the URL. The default controller method is `#index`. Concrete applications should always override this method to answer a buildable object.

For example, if the base path of the application is `'foo'`, the application will try to dispatch a request url `'/foo/bar'` to the controller method `#bar`. If there is no method matching this rule, `#index` will be called.

By default, controller methods must be in the `'controllers'` method protocol to be allowed to be called as controller methods (see section 4.3 [Filtering controllers] on the facing page).

A 'hello world' application

At this point we can write a 'hello world' application, with a base path and an `#index` controller.

```
Iliad.IApplication subclass: HelloWorldApplication [

    HelloWorldApplication class >> path [
        <category: 'accessing'>
        ^'hello_world'
    ]

    index [
        <category: 'controllers'>
        ^[:e | e h1: 'hello world']
    ]
]
```

After starting Iliad on port 8888, the application can be browsed at `http://localhost:8888/hello_world` (http://localhost:8888/hello_world). As expected, the application will dispatch both `/hello_world` and `/hello_world/index` to the `#index` controller.

A multi-counter application

Let's improve the counter application written in the tutorial (see chapter 2 [Short tutorial] on page 21) and make it a multi-counter application. The application will build several counter widgets in the `#index` controller.

```
Iliad.IApplication subclass: CounterApplication [
    CounterApplication class >> path [
        <category: 'accessing'>
        ^'counter'
    ]
]
```



```

initialize [
  <category: 'initialization'>
  super initialize.
  counters := Array
    with: CounterWidget new
    with: CounterWidget new
    with: CounterWidget new
]

index [
  <category: 'controllers'>
  ^[:e |
    counters do: [:each | e build: each]]
]

```

To persist through requests, widgets must be stored in instance variables. In this example counters are stored at initialization in a collection.

4.3 Filtering controllers

The use of a method of an application as a controller method is restricted by the *selector filter*. Each application class has its own selector filter. Each time an application dispatches a request to a controller method, the selector filter block is evaluated against a selector to determine if the corresponding method is allowed to be used as controller or not. The default selector filter allows all methods in the 'controllers' protocol, but you may want to filter selectors differently.

The default selector filter can be overridden in the class side `#defaultSelectorFilter` method, or you can plug in a new selector filter with the class side `#selectorFilter:`. A selector filter block must be a one argument block and answer a boolean.

In the following example, the only selector allowed is `#index`, all other methods will be forbidden.

```
MyApplication selectorFilter: [:selector | selector == #index]
```

4.4 Updating the page

During the generation of a page for a request processing, the application can update any part of it using the `#updatePage:` method. This method will be called for each new request excepting AJAX ones. In this method we can for example change the title of the page, update its `<head>` section, etc.

`#updatePage:` should not be used to update contents of widgets included in the `<body>` section, as widgets may not be built yet when Iliad calls `#updatePage:`.

The argument sent to `#updatePage:` is an instance of `Iliad.ILPage`. This class has accessors for both the `<head>` section and the `<body>` section of the page, respectively instances of `Iliad.ILHeadElement` and `Iliad.ILBodyElement`.

```
updatePage: aPage [  
    <category: 'updating'>  
    super updatePage: aPage.  
    aPage head title: 'The multi-counter example'.  
    aPage head stylesheet href: '/path/to/my/style.css'  
]
```

`super` should always be called, as Iliad uses Javascript files (see chapter 7 [The Javascript layer] on page 39) by default to send AJAX requests automatically. See chapter 8 [Serving static files] on page 41, for more details about how to serve static files with Iliad.

Chapter 5

Widgets

Iliad web pages are composed of nested Widgets. Widgets are high-level, reusable graphical objects. Widgets are not only about building HTML, they also hold the state of web applications and will persist through requests. `ILWidget` is probably the most important class of Iliad, as widgets will compose most of your user interfaces and control flow.

5.1 Maintaining the user interface state

To store the user interface state, applications and widgets must know and store their children. Applications themselves are stored in sessions (see chapter 9 [Managing sessions] on page 43). Widgets are stored in instance variables in a tree of widget by their parent, applications or other widgets. During a request processing, after the actions evaluation step, widgets are rebuilt and sent to the client in HTML or JSON (see section 5.2 [Maintaining the client state] on the current page).

5.2 Maintaining the client state

TODO

- Maintaining state
- dirty widgets
- dependent widgets
- interacting with other widgets
- decorators
- redirecting
- updating the page

Chapter 6

Routes and urls

TODO

- The ILRoute object
- Routers
- ILUrlBuilder and the base url

Chapter 7

The Javascript layer

Chapter 8

Serving static files

Chapter 9

Managing sessions

TODO

- The session manager
- Subclassing `ILSession`
- Managing session expiration

Chapter 10

RSS

Chapter 11

Formula

Chapter 12

Deploying Iliad applications

TODO

- Configuring apache
- Serving static files
- ILUrlBuilder and rewrite rules

Chapter 13

Iliad class library reference

13.1 Iliad.IdentityBag

Defined in namespace Iliad

Superclass: Bag

Category:

13.2 Iliad.ILAction

Defined in namespace Iliad

Superclass: Iliad.ILObject

Category: Iliad-Core-Sessions

13.2.1 Iliad.ILAction: accessing

block Answer 'block'.

block: aBlock
Not commented.

key Answer 'key'.

key: anId
Not commented.

value Answer 'value'.

value: anObject
Not commented.

13.2.2 Iliad.IAction: converting

respondOn: aResponse
Not commented.

13.2.3 Iliad.IAction: evaluating

evaluate
Not commented.

13.3 Iliad.IActionRegistry

Defined in namespace Iliad
Superclass: Iliad.ILObject
Category: Iliad-Core-Sessions
I implement a registry of actions.

13.3.1 Iliad.IActionRegistry: accessing

actionAt: aKey
Not commented.

actions Not commented.

13.3.2 Iliad.IActionRegistry: actions

evaluateActionKey: aString
Not commented.

register: anAction
Not commented.

unregister: anAction
Not commented.

unregisterAllActions
Not commented.

13.4 Iliad.ILAnchorElement

Defined in namespace Iliad

Superclass: Iliad.ILLinkableElement

Category: Iliad-Core-XHTMLElements

13.4.1 Iliad.ILAnchorElement: accessing

action: aBlock

Not commented.

action: aBlock hash: aString

Not commented.

tag Answer 'a'.

13.4.2 Iliad.ILAnchorElement: accessing attributes

tabindex: anInteger

Not commented.

13.4.3 Iliad.ILAnchorElement: accessing attributes- imagemap

circleShape

Not commented.

coords: aString

Not commented.

defaultShape

Not commented.

polyShape

Not commented.

rectShape

Not commented.

shape: aString

Not commented.

13.5 Iliad.ILAnswerHandler

Defined in namespace Iliad

Superclass: Iliad.ILDecorator

Category: Iliad-Core-Buildables

I am a special decorator for Widgets, used to handle widget answers.
See #handleAnswer: and ILWidget>>show:onAnswer:

13.5.1 Iliad.ILAnswerHandler: accessing

action Answer 'action'.

action: anAction

Not commented.

13.5.2 Iliad.ILAnswerHandler: decorations

handleAnswer: anAnswer

Not commented.

13.6 Iliad.ILAppendDelegator

Defined in namespace Iliad

Superclass: Iliad.ILDelegator

Category: Iliad-Core-Buildables

13.6.1 Iliad.ILAppendDelegator: building

contents

Not commented.

13.7 Iliad.ILApplication

Defined in namespace Iliad

Superclass: Iliad.ILBuildable

Category: Iliad-Core-Buildables

I am the Iliad implementation of an application.

I am is the root object of a buildable object tree. Applications have a set of controllers, methods used to dispatch requests to the corresponding sub-tree of buildable objects (oftenly a composition of stateful widgets).

In concrete subclasses, the class method `#path` should return the base path (string) for the application.

```

===== " Applications & UI state "
=====

```

You don't have to bother about instantiating applications, the framework will handle session and application instances. Application instances are stored in sessions. Each session stores one instance of the same application class.

Root widgets should be stored in applications to keep their state across requests.

```

===== " Controller methods "
=====

```

Like widgets, I am stateful. Unlike widgets I know how to dispatch a request with `#dispatch`: the controller method corresponding to the url will be called.

Controller methods must: - answer a buildable object (a block closure or an instance of `ILWidget` for example). - be in the 'controllers' method protocol (with the default selector filter)

The default controller method is `#index`.

```

===== " selectorFilter " =====

```

The class inst var `<selectorFilter>` is used to filter controller methods. By default it allows all methods in the 'controllers' protocol.

Alternatively, you can override the class method `#defaultSelectorFilter` to supply your own `selectorFilter` or plug it in using the class method `#selectorFilter`:

13.7.1 Iliad.ILApplication class: accessing

absolutePath

Not commented.

path Base path of the application. Override this method in concrete subclasses. It should return a string

selectorFilter
Not commented.

selectorFilter: aBlock
Not commented.

13.7.2 Iliad.ILApplication class: defaults

defaultSelectorFilter
Override this method to supply your own selectorFilter or plug it in using `#selectorFilter`:

13.7.3 Iliad.ILApplication: accessing

model Answer 'model'.

model: anObject
Not commented.

page Answer 'page'.

selectorFilter
Not commented.

widgetFor: aBuildable
Convenience method. This is useful for building anonymous widgets.
ex: `myWidget := self widgetFor: [:e | e h1: 'Hello world!']`

13.7.4 Iliad.ILApplication: building

buildContents
Call `#dispatch`. A buildable is expected from `#dispatch`

13.7.5 Iliad.ILApplication: controllers

index default view method

13.7.6 Iliad.ILApplication: converting

respondOn: aResponse
Not commented.

13.7.7 Iliad.ILApplication: defaults

defaultPageClass
Answer 'ILHTMLPage'.

rootElementClass
Answer 'ILHTMLBuilderElement'.

13.7.8 Iliad.ILApplication: dispatching

allowedSelector: aSelector
Answer true if <aSelector> is ok to call from a URL. Default implementation is to use the pluggable filter block.

dispatch
Dispatch to correct controller method. If dispatchOverride returns something different from nil, consider it handled.

dispatchOn: aMethod
Dispatch to correct method: - If <aMethod> is empty we call #index - If the selector is allowed to be executed then we just call it

dispatchOverride
Handle special urls. Subclass implementors should call super first and see if it was handled.

13.7.9 Iliad.ILApplication: redirecting

respond: aBlock
Abort all other request handling

returnResponse: aResponse
Abort all other request handling

13.7.10 Iliad.ILApplication: updating

updateBaseUrl: anUrl

Answer the receiver.

updateFromRoute: aRoute

Answer the receiver.

updatePage: aPage

Override to add elements to aPage. super should always be called

13.8 Iliad.ILApplicationHandler

Defined in namespace Iliad

Superclass: Iliad.ILRequestHandler

Category: Iliad-Core-RequestHandlers

13.8.1 Iliad.ILApplicationHandler: initialization

initialize

Not commented.

13.8.2 Iliad.ILApplicationHandler: request handling

evaluateActions

Not commented.

handleRequest

Not commented.

13.8.3 Iliad.ILApplicationHandler: responding

produceResponse

Not commented.

13.8.4 Iliad.ILApplicationHandler: testing

isRequestValid

Not commented.

shouldRedirect

Not commented.

shouldRespondInJson

Not commented.

shouldReturnEmptyResponse

Not commented.

13.9 Iliad.ILAreaElement

Defined in namespace Iliad

Superclass: Iliad.ILClosingElement

Category: Iliad-Core-XHTMLElements

13.9.1 Iliad.ILAreaElement: accessing

tag Answer ‘area’.

13.9.2 Iliad.ILAreaElement: accessing attributes

accesskey: aCharacter

Not commented.

alt: aString

Not commented.

href: aString

Not commented.

nohref Not commented.

tabindex: anInteger

Not commented.

13.9.3 Iliad.ILAreaElement: accessing attributes- imagemap

circleShape

Not commented.

coords: aString

Not commented.

defaultShape

Not commented.

polyShape

Not commented.

rectShape

Not commented.

shape: aString

Not commented.

13.10 Iliad.ILAttributeError

Defined in namespace Iliad

Superclass: Grease.Grease.GRError

Category: Iliad-Core-Elements

13.11 Iliad.ILAttributeNotUnderstood

Defined in namespace Iliad

Superclass: Grease.Grease.GRError

Category: Iliad-Core-Elements

13.11.1 Iliad.ILAttributeNotUnderstood class: instance creation

element: anElement attribute: aString

Not commented.

13.11.2 Iliad.ILAttributeNotUnderstood: accessing**attribute**

Answer 'attribute'.

attribute: anObject

Not commented.

element Answer 'element'.**element: anElement**

Not commented.

**13.11.3 Iliad.ILAttributeNotUnderstood: exceptionDe-
scription****defaultAction**

Answer the receiver.

isResumable

Answer 'true'.

13.11.4 Iliad.ILAttributeNotUnderstood: printing**messageText**

Not commented.

13.12 Iliad.ILBodyElement**Defined in namespace Iliad****Superclass: Iliad.ILHTMLBuilderElement****Category: Iliad-Core-XHTMLElements****13.12.1 Iliad.ILBodyElement: accessing****tag**

Answer 'body'.

13.12.2 Iliad.ILBodyElement: addressing attributes-events

onLoad: aString
Not commented.

onUnload: aString
Not commented.

13.13 Iliad.ILBreakElement

Defined in namespace Iliad
Superclass: Iliad.ILClosingElement
Category: Iliad-Core-XHTMLElements

13.13.1 Iliad.ILBreakElement: accessing

tag Answer ‘br’.

13.13.2 Iliad.ILBreakElement: accessing attributes-events

onEvent: event add: aString
Not commented.

13.14 Iliad.ILBuildable

Defined in namespace Iliad
Superclass: Iliad.ILObject
Category: Iliad-Core-Buildables

I am an abstract buildable object. My subclasses must override #build method, which should return an instance of a subclass of Iliad.ILElement.

13.14.1 Iliad.ILBuildable: accessing

children

Not commented.

router

Not commented.

13.14.2 Iliad.ILBuildable: accessing attributes

attributeAt: aSymbol

Not commented.

attributeAt: aSymbol ifAbsentPut: aBlock

Not commented.

attributeAt: aSymbol put: anObject

Not commented.

attributes

Not commented.

13.14.3 Iliad.ILBuildable: actions

send: aSymbol

Not commented.

send: aSymbol to: anObject

Not commented.

send: aSymbol to: anObject arguments: anArray

Not commented.

13.14.4 Iliad.ILBuildable: building

build

Not commented.

buildContents

Override this method in subclasses. It must answer an Element

buildOn: anElement

Not commented.

registerChild: aBuildable

Not commented.

13.14.5 Iliad.ILBuildable: converting

respondOn: aResponse

Not commented.

13.14.6 Iliad.ILBuildable: printing

printHtmlString

Not commented.

13.14.7 Iliad.ILBuildable: redirecting

redirectTo: anUrlString

Abort all other request handling. Redirect to anUrlString

redirectToApplication: aClass

Abort all other request handling. Redirect to the index method of <aClass>

redirectToApplication: aClass controller: aString

Abort all other request handling. Redirect to the controller named <aString> of <aClass>

redirectToCurrentController

Abort all other request handling. Redirect to the current controller method

redirectToIndex

Abort all other request handling. Redirect to the index method of this class

redirectToLocal: aString

Abort all other request handling. Make a redirection to another controller method in this application

13.15 Iliad.ILButtonElement

Defined in namespace Iliad

Superclass: Iliad.ILFormElementElement

Category: Iliad-Core-XHTMLElements

13.15.1 Iliad.ILButtonElement: accessing

tag Answer ‘button’.

13.15.2 Iliad.ILButtonElement: accessing attributes

beButton
 Not commented.

beReset
 Not commented.

beSubmit
 Not commented.

type: aString
 Not commented.

value: aString
 Not commented.

13.15.3 Iliad.ILButtonElement: printing

beforePrintHtml
 Not commented.

13.16 Iliad.ILCheckboxElement

Defined in namespace Iliad
Superclass: Iliad.ILFormElementElement
Category: Iliad-Core-XHTMLElements

13.16.1 Iliad.ILCheckboxElement: accessing

tag Answer ‘input’.

13.16.2 Iliad.ILCheckboxElement: accessing attributes

action: aBlock

Not commented.

beChecked

Not commented.

checked: aBoolean

Not commented.

13.16.3 Iliad.ILCheckboxElement: printing

addHiddenInput

Not commented.

beforePrintHtml

Not commented.

13.17 Iliad.ILClosingElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.17.1 Iliad.ILClosingElement: printing

printHtmlOn: aStream

Not commented.

13.18 Iliad.ILComposite

Defined in namespace Iliad

Superclass: Iliad.ILObject

Category: Iliad-Core-Utilities

13.18.1 Iliad.ILComposite: accessing

children

Not commented.

next

Answer 'next'.

next: aComposite

Not commented.

13.18.2 Iliad.ILComposite: adding

add: aComposite

Not commented.

13.18.3 Iliad.ILComposite: comparing

= anObject

Not commented.

hash

Not commented.

13.18.4 Iliad.ILComposite: enumerating

allChildrenDo: aBlock

Not commented.

childrenDo: aBlock

Not commented.

13.19 Iliad.ILConditionalCommentElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.19.1 Iliad.ILConditionalCommentElement: accessing conditions

Not commented.

13.19.2 Iliad.ILConditionalCommentElement: accessing attributes-events

onEvent: event add: aString

Not commented.

13.19.3 Iliad.ILConditionalCommentElement: conditions

gt Greater than

ie Not commented.

ie5 Not commented.

ie50 Not commented.

ie55 Not commented.

ie6 Not commented.

ie7 Not commented.

ie8 Not commented.

lt Less than

not Not

13.19.4 Iliad.ILConditionalCommentElement: printing

printCloseTagOn: aStream

Not commented.

printOpenTagOn: aStream

Not commented.

13.20 Iliad.ILConfirmationWidget

Defined in namespace Iliad

Superclass: Iliad.ILWidget

Category: Iliad-Core-Buildables

13.20.1 Iliad.ILConfirmationWidget: accessing

confirmationString

Answer 'confirmationString'.

confirmationString: aString

Not commented.

13.20.2 Iliad.ILConfirmationWidget: building

contents

Not commented.

13.21 Iliad.ILContext

Defined in namespace Iliad

Superclass: Iliad.ILObject

Category: Iliad-Core-Sessions

I store current request context objects:

- the router - the session - the request itself

I can be accessed through ILObject>>context

13.21.1 Iliad.ILContext: accessing

application

Not commented.

attributes

Not commented.

baseUrl Not commented.

builtWidgets

Not commented.

previousStateRegistry

Not commented.

request Answer 'request'.**request: aRequest**

Not commented.

router Not commented.**session** Answer 'session'.**session: aSession**

Not commented.

stateRegistry

Not commented.

urlBuilder

Not commented.

13.21.2 Iliad.ILContext: accessing-attributes**attributeAt: aKey**

Not commented.

attributeAt: aKey put: anObject

Not commented.

13.21.3 Iliad.ILContext: adding**addBuiltWidget: aWidget**

Not commented.

13.22 Iliad.ILCookie

Defined in namespace Iliad

Superclass: Object

Category: Iliad-Core-lib-HTTP

From Seaside 2.8

I represent a cookie, a piece of information that is stored on the client and read and writable by the server. I am basically a key/value pair of strings. You can never trust information in a cookie, the client is free to edit it. I model only a part of the full cookie specification.

For more information see RFC2965
(<http://tools.ietf.org/html/rfc2965>)

13.22.1 Iliad.ILCookie class: instance creation

key: keyString **value:** valueString

Not commented.

13.22.2 Iliad.ILCookie: accessing

expiry Answer 'expiry'.

expiry: anInteger

Not commented.

key Answer 'key'.

key: aString

Not commented.

path Not commented.

path: aString

Not commented.

value Answer 'value'.

value: aString

Not commented.

13.22.3 Iliad.ILCookie: api

expireIn: aDuration

Not commented.

valueWithExpiry

Not commented.

13.22.4 Iliad.ILCookie: comparing

= other Not commented.

hash Not commented.

13.22.5 Iliad.ILCookie: writing

writeOn: aStream

Not commented.

13.23 Iliad.ILCurrentBuildable

Defined in namespace Iliad

Superclass: Iliad.ILDynamicVariable

Category: Iliad-Core-Buildables

13.24 Iliad.ILCurrentContext

Defined in namespace Iliad

Superclass: Iliad.ILDynamicVariable

Category: Iliad-Core-Sessions

13.25 Iliad.ILDecorator

Defined in namespace Iliad

Superclass: Iliad.ILBuildable

Category: Iliad-Core-Buildables

I am a decorator for Widgets. I can be added to a widget by calling #decorateWith: from a widget. Subclasses can be used to modify the building process of a widget, or change its behavior

13.25.1 Iliad.ILDecorator class: instance creation

decoratee: aDecoratee

Not commented.

13.25.2 Iliad.ILDecorator: accessing

decoratee

Answer 'decoratee'.

decoratee: aDecoratee

Not commented.

widget

Not commented.

13.25.3 Iliad.ILDecorator: building

contents

Not commented.

scripts

Answer '#()'

styles

Answer '#()'

updateHead: aHead

Not commented.

13.25.4 Iliad.ILDecorator: decorations

handleAnswer: anAnswer

Not commented.

removeDecorator: aDecorator

Not commented.

removeYourself

Not commented.

13.25.5 Iliad.ILDecorator: testing

isDelegator

Answer 'false'.

isGlobal

Answer 'false'.

13.26 Iliad.ILDelegator

Defined in namespace Iliad

Superclass: Iliad.ILDecorator

Category: Iliad-Core-Buildables

13.26.1 Iliad.ILDelegator: accessing

newRootElement

Not commented.

widget Answer 'widget'.

widget: aWidget

Not commented.

13.26.2 Iliad.ILDelegator: building

contents

Not commented.

updateHead: aHead

Not commented.

13.26.3 Iliad.ILDelegator: decorations

handleAnswer: anAnswer
Not commented.

13.26.4 Iliad.ILDelegator: testing

isDelegator
Answer 'true'.

isGlobal
Answer 'true'.

13.27 Iliad.ILDirectionElement

Defined in namespace Iliad
Superclass: Iliad.ILHTMLBuilderElement
Category: Iliad-Core-XHTMLElements

13.27.1 Iliad.ILDirectionElement: accessing

tag Answer 'bdo'.

xmlLang: aString
Not commented.

13.27.2 Iliad.ILDirectionElement: accessing attributes-events

onEvent: event add: aString
Not commented.

13.27.3 Iliad.ILDirectionElement: accessing attributes

dir: aString
Not commented.

13.27.4 Iliad.ILDirectionElement: printing

beforePrintHtml

Not commented.

13.28 Iliad.ILDirectory

Defined in namespace Iliad

Superclass: Iliad.ILObject

Category: Iliad-Core-RequestHandlers

13.28.1 Iliad.ILDirectory: accessing

fileContentsFor: aFilename

This method's functionality should be implemented by subclasses of ILDirectory

13.29 Iliad.ILDiskDirectory

Defined in namespace Iliad

Superclass: Iliad.ILDirectory

Category: Iliad-Core-GST

An ILDiskDirectory allows files to be served by Iliad directly from directories of even archives like .star files. I shouldn't be used in production.

Usage example:

```
Iliad.ILObject addDirectory: (Iliad.ILDiskDirectory new directory: (PackageLoader packageAt: 'SomePackage') directory / 'Public');
```

13.29.1 Iliad.ILDiskDirectory: accessing

directory

Answer 'directory'.

directory: aDirectory

Not commented.

fileContentsFor: aString

Not commented.

13.30 Iliad.ILDispatcher

Defined in namespace Iliad

Superclass: Iliad.ILObject

Category: Iliad-Core-Dispatching

I am the entry point of requests. I dispatch them with the `#dispatch:` method to an `ILApplicationHandler` or a `ILFileHandler`.

Web server adapters should use the `#dispatch:` method on the current instance of `ILDispatcher` - returned by `ILDispatcher class>>current` - to handle requests, and wait for a `ILResponseNotification` to respond to them.

13.30.1 Iliad.ILDispatcher class: instance creation

current Not commented.

new This method should not be called for instances of this class.

13.30.2 Iliad.ILDispatcher: dispatching

dispatch: aRequest

Entry point of requests

13.30.3 Iliad.ILDispatcher: error-handling

withDispatchErrorHandling: aBlock

Catch dispatch errors

withErrorHandling: aBlock

Catch errors and use an `ILErrorHandler` to handle them

13.31 Iliad.ILDispatchError

Defined in namespace Iliad

Superclass: Grease.Grease.GRError

Category: Iliad-Core-Dispatching

13.32 Iliad.ILDivElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.32.1 Iliad.ILDivElement: accessing

tag Answer ‘div’.

13.33 Iliad.ILDynamicVariable

Defined in namespace Iliad

Superclass: Object

Category: Iliad-Core-Utilities

13.33.1 Iliad.ILDynamicVariable class: defaults

defaultValue

Answer ‘nil’.

13.33.2 Iliad.ILDynamicVariable class: evaluating

use: anObject during: aBlock

Not commented.

value Not commented.

13.34 Iliad.ILElement

Defined in namespace Iliad

Superclass: Iliad.ILComposite

Category: Iliad-Core-Elements

I am the abstract root class of the composite element hierarchy.

I know how to print myself in HTML format with the #printHtmlOn:
method

13.34.1 Iliad.ILElement: accessing**attributeAt: akey**

Not commented.

attributeAt: akey ifAbsent: aBlock

Not commented.

attributeAt: akey ifAbsentPut: aBlock

Not commented.

attributeAt: aKey put: aValue

Not commented.

attributes

Not commented.

contentType

This method's functionality should be implemented by subclasses of ILElement

tag

Answer 'nil'.

13.34.2 Iliad.ILElement: adding-convenience**text: aString**

Not commented.

xml

Not commented.

13.34.3 Iliad.ILElement: building**build: aBuildable**

Not commented.

13.34.4 Iliad.ILElement: comparing**= anObject**

Not commented.

hash

Not commented.

13.34.5 Iliad.ILElement: converting

respondOn: aResponse
Not commented.

13.34.6 Iliad.ILElement: error handling

attributeError: key
Not commented.

doesNotUnderstandAttribute: aString
Not commented.

13.34.7 Iliad.ILElement: printing

afterPrintHtml
Answer the receiver.

beforePrintHtml
Answer the receiver.

printAttribute: anAttribute on: aStream
Not commented.

printCloseTagOn: aStream
Not commented.

printHtmlOn: aStream
Not commented.

printJsonOn: aStream
Not commented.

printOpenTagOn: aStream
Not commented.

13.35 Iliad.ILError

Defined in namespace Iliad
Superclass: Grease.Grease.GRError
Category: Iliad-Core-Elements

13.36 Iliad.ILEncoder

Defined in namespace Iliad

Superclass: Object

Category: Iliad-Core-Utilities

13.36.1 Iliad.ILEncoder class: encoding

encodeCharacterForHTTP: aCharacter on: aStream

Not commented.

encodeForHTTP: aString on: aStream

Not commented.

encodeUrl: aString on: aStream

Not commented.

encodeUrlCharacter: aCharacter on: aStream

Not commented.

printUrl: aString encoded: aBoolean on: aStream

Not commented.

13.37 Iliad.ILErrorHandler

Defined in namespace Iliad

Superclass: Iliad.ILRequestHandler

Category: Iliad-Core-RequestHandlers

```

" Error handling modes "

```

Error handlers can be in one of the following modes: deployment, verbose or debug. The default mode is verbose. You can switch between modes with class methods in the <accessing modes> protocol.

When errors occur, the framework will handle them differently depending on the application mode: - in deployment mode, it will respond an error 500; - in verbose mode, it will also respond an error 500, but with error details; - in debug mode, a debugger window will be opened on the error;

13.37.1 Iliad.ILErrorHandler class: accessing

mode Not commented.

mode: aSymbol
Not commented.

13.37.2 Iliad.ILErrorHandler class: accessing modes

debugMode
Not commented.

deploymentMode
Not commented.

verboseMode
Not commented.

13.37.3 Iliad.ILErrorHandler: accessing

error Answer 'error'.

error: anError
Not commented.

mode Not commented.

newResponse
Not commented.

13.37.4 Iliad.ILErrorHandler: responding

produceDebugResponse
Not commented.

produceDeploymentResponse
Not commented.

produceResponse
Not commented.

produceVerboseResponse
Not commented.

13.37.5 Iliad.ILErrorHandler: testing

isDebugMode

Not commented.

isDeploymentMode

Not commented.

isVerboseMode

Not commented.

13.38 Iliad.ILFieldsetElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.38.1 Iliad.ILFieldsetElement: accessing

tag Answer ‘fieldset’.

13.39 Iliad.ILFileHandler

Defined in namespace Iliad

Superclass: Iliad.ILRequestHandler

Category: Iliad-Core-RequestHandlers

13.39.1 Iliad.ILFileHandler class: accessing

directories

Not commented.

13.39.2 Iliad.ILFileHandler class: accessing

addDirectory: aDirectory

Not commented.

defaultMimeType

Answer “application/octet-stream”.

defaultMimeTypes

Not commented.

directories: aCollection

Not commented.

mimeTypeFor: aString

Not commented.

mimeTypes

Not commented.

13.39.3 Iliad.ILFileHandler class: defaults

initMimeTypes

Not commented.

13.39.4 Iliad.ILFileHandler class: testing

isBinary: aFilename

Not commented.

13.39.5 Iliad.ILFileHandler: accessing

directories

Not commented.

mimeTypeFor: aFilename

Not commented.

newResponse

Not commented.

13.39.6 Iliad.ILFileHandler: request handling

handleRequest

Not commented.

13.39.7 Iliad.ILFileHandler: responding

produceResponse

Not commented.

13.40 Iliad.ILFileProxy

Defined in namespace Iliad

Superclass: Object

Category: Iliad-Core-lib-HTTP

13.40.1 Iliad.ILFileProxy class: instance creation

new Not commented.

13.40.2 Iliad.ILFileProxy: accessing

contentType

Answer 'contentType'.

contentType: anObject

Not commented.

contents

Answer 'contents'.

contents: anObject

Not commented.

createdTimestamp

Not commented.

filename

Answer 'filename'.

filename: anObject

Not commented.

timestamps

Not commented.

timestampsAt: aSymbol

Not commented.

timestampsAt: aSymbol put: aTimestamp

Not commented.

13.40.3 Iliad.ILFileProxy: initialization

initialize

Not commented.

setCreatedTimestamp

Not commented.

13.40.4 Iliad.ILFileProxy: writing

writeToFile

Not commented.

13.41 Iliad.ILFormElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.41.1 Iliad.ILFormElement class: defaults

encodingType

Answer “application/x-www-form-urlencoded”.

multipartFormData

Answer “multipart/form-data”.

13.41.2 Iliad.ILFormElement: accessing

tag Answer "form".
url Not commented.

13.41.3 Iliad.ILFormElement: accessing attributes

accept: aString
 Not commented.
acceptCharset: aString
 Not commented.
acceptCharsets: aCollection
 Not commented.
accepts: aCollection
 Not commented.
beMultipart
 Not commented.
enctype Not commented.
enctype: aString
 Not commented.
multipart: aBoolean
 Not commented.
useGet Not commented.
usePost Not commented.

13.41.4 Iliad.ILFormElement: accessing attributes-events

onReset: aString
 Not commented.
onResetDo: aBlock
 Not commented.
onSubmit: aString
 Not commented.
onSubmitDo: aBlock
 Not commented.

13.41.5 Iliad.ILFormElement: printing

beforePrintHtml

Not commented.

13.41.6 Iliad.ILFormElement: testing

isMultipart

Not commented.

13.42 Iliad.ILFormElementElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.42.1 Iliad.ILFormElementElement: accessing

accesskey: aCharacter

Not commented.

13.42.2 Iliad.ILFormElementElement: accessing attributes

action: aBlock

Not commented.

beSubmitOnChange

Not commented.

beSubmitOnClick

Not commented.

beSubmitOnEvent: aString

Not commented.

disabled

Not commented.

disabled: aBoolean
Not commented.

name Not commented.

name: aString
Not commented.

readonly: aBoolean
Not commented.

13.43 Iliad.ILHeadElement

Defined in namespace Iliad
Superclass: Iliad.ILHTMLBuilderElement
Category: Iliad-Core-XHTMLElements

13.43.1 Iliad.ILHeadElement: accessing

tag Answer ‘head’.

13.43.2 Iliad.ILHeadElement: accessing attributes

profile: aString
Not commented.

profiles: aCollection
Not commented.

title Not commented.

title: aString
Not commented.

13.43.3 Iliad.ILHeadElement: accessing attributes-events

onEvent: event add: aString
Not commented.

13.43.4 Iliad.ILHeadElement: adding-convenience

style Not commented.

style: aString
Not commented.

13.43.5 Iliad.ILHeadElement: printing

beforePrintHtml
Not commented.

13.44 Iliad.ILHeadingElement

Defined in namespace Iliad
Superclass: Iliad.ILHTMLBuilderElement
Category: Iliad-Core-XHTMLElements

13.44.1 Iliad.ILHeadingElement: accessing

level Answer 'level'.

level: anInteger
Not commented.

tag Not commented.

13.44.2 Iliad.ILHeadingElement: accessing attributes-events

onEvent: event add: aString
Not commented.

13.45 Iliad.ILHorizontalRuleElement

Defined in namespace Iliad

Superclass: Iliad.ILClosingElement

Category: Iliad-Core-XHTMLElements

13.45.1 Iliad.ILHorizontalRuleElement: accessing

tag Answer ‘hr’.

13.45.2 Iliad.ILHorizontalRuleElement: accessing attributes-events

onEvent: anEvent **add:** aString
Not commented.

13.46 Iliad.ILHTMLBuilderElement

Defined in namespace Iliad

Superclass: Iliad.ILElement

Category: Iliad-Core-XHTMLElements

13.46.1 Iliad.ILHTMLBuilderElement: accessing

class: aString
Not commented.

contentType
Not commented.

if Not commented.

13.46.2 Iliad.ILHTMLBuilderElement: accessing attributes-events

onChange: aString
Not commented.

onChangeDo: aBlock
Not commented.

13.46.3 Iliad.ILHTMLBuilderElement: accessing attributes

style: aString
Not commented.

13.46.4 Iliad.ILHTMLBuilderElement: accessing attributes

cssClass
Not commented.

cssClass: aString
Not commented.

id Not commented.

id: aString
Not commented.

lang: aString
Not commented.

style Not commented.

title Not commented.

title: aString
Not commented.

xmlLang: aString
Not commented.

13.46.5 **Iliad.ILHTMLBuilderElement:** accessing **attributes-events**

onBlur: aString

Not commented.

onBlurDo: aBlock

Not commented.

onClick: aString

Not commented.

onClickDo: aBlock

Not commented.

onDoubleClick: aString

Not commented.

onDoubleClickDo: aBlock

Not commented.

onEvent: aString add: anotherString

Not commented.

onEvent: aString do: aBlock

Not commented.

onFocus: aString

Not commented.

onKeyDown: aString

Not commented.

onKeyPress: aString

Not commented.

onKeyUp: aString

Not commented.

onMouseOut: aString

Not commented.

onMouseOver: aString

Not commented.

onSelect: aString

Not commented.

13.46.6 Iliad.ILHTMLBuilderElement: adding-convenience

link Not commented.

13.46.7 Iliad.ILHTMLBuilderElement: adding-convenience

a Not commented.

area Not commented.

b Not commented.

b: aString
Not commented.

bdo Not commented.

big Not commented.

big: aString
Not commented.

blockquote
Not commented.

blockquote: aString
Not commented.

br Not commented.

button Not commented.

checkbox
Not commented.

cite Not commented.

cite: aString
Not commented.

code Not commented.

code: aString
Not commented.

dd Not commented.

dfn Not commented.

div Not commented.

dl Not commented.

dt Not commented.

em Not commented.

em: aString
Not commented.

favicon Not commented.

favicon: aString
Not commented.

fieldset Not commented.

file Not commented.

form Not commented.

h Not commented.

h1 Not commented.

h1: aString
Not commented.

h2 Not commented.

h2: aString
Not commented.

h3 Not commented.

h3: aString
Not commented.

h4 Not commented.

h4: aString
Not commented.

h5 Not commented.

h5: aString	Not commented.
h6	Not commented.
h6: aString	Not commented.
hr	Not commented.
html: aString	Not commented.
i	Not commented.
i: aString	Not commented.
img	Not commented.
img: aString	Not commented.
input	Not commented.
javascript	Not commented.
label	Not commented.
legend	Not commented.
legend: aString	Not commented.
li	Not commented.
map	Not commented.
meta	Not commented.
object	Not commented.
ol	Not commented.
optgroup	Not commented.
option	Not commented.
p	Not commented.

param Not commented.

password
 Not commented.

pre Not commented.

pre: aString
 Not commented.

quote Not commented.

quote: aString
 Not commented.

radio Not commented.

reset Not commented.

script Not commented.

script: aString
 Not commented.

select Not commented.

small Not commented.

small: aString
 Not commented.

space Not commented.

span Not commented.

strong Not commented.

strong: aString
 Not commented.

stylesheet
 Not commented.

submit Not commented.

subscript
 Not commented.

subscript: aString
 Not commented.

superscript

Not commented.

superscript: aString

Not commented.

table

Not commented.

tbody

Not commented.

td

Not commented.

textarea

Not commented.

tfoot

Not commented.

th

Not commented.

thead

Not commented.

tr

Not commented.

tt

Not commented.

ul

Not commented.

var

Not commented.

var: aString

Not commented.

13.47 Iliad.ILHtmlElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.47.1 Iliad.ILHtmlElement: accessing**beHtml5**

Not commented.

beXhtml10Strict

Not commented.

beXhtml10Transitional

Not commented.

beXhtml11

Not commented.

doctype Answer 'doctype'.**doctype: aString**

Not commented.

setXmlTag

Not commented.

tag Answer 'html'.**xmlTag** Answer 'xmlTag'.**xmlTag: aString**

Not commented.

13.47.2 Iliad.ILHtmlElement: accessing attributes**version: aNumber**

Not commented.

xmlns Not commented.**xmlns: aString**

Not commented.

13.47.3 Iliad.ILHtmlElement: accessing attributes-events**onEvent: event add: aString**

Not commented.

13.47.4 Iliad.ILHtmlElement: defaults

defaultXmlns

Answer ‘http://www.w3.org/1999/xhtml’.

13.47.5 Iliad.ILHtmlElement: printing

beforePrintHtml

Not commented.

printHtmlOn: aStream

Not commented.

13.47.6 Iliad.ILHtmlElement: testing

hasXmlTag

Not commented.

13.48 Iliad.ILHTMLPage

Defined in namespace Iliad

Superclass: Iliad.ILBuildable

Category: Iliad-Core-Buildables

13.48.1 Iliad.ILHTMLPage: accessing attributes

body Not commented.

head Not commented.

html Not commented.

13.48.2 Iliad.ILHTMLPage: building

build Not commented.

13.49 Iliad.ILId

Defined in namespace Iliad
Superclass: ByteArray
Category: Iliad-Core-Utilities

13.49.1 Iliad.ILId class: defaults

defaultSize
Answer '12'.

13.49.2 Iliad.ILId class: instance creation

new Not commented.

new: anInteger
Not commented.

13.49.3 Iliad.ILId: accessing

table Not commented.

13.49.4 Iliad.ILId: initialization

initialize
Not commented.

13.49.5 Iliad.ILId: printing

printOn: aStream
Not commented.

13.50 Iliad.ILImageElement

Defined in namespace Iliad

Superclass: Iliad.ILClosingElement

Category: Iliad-Core-XHTMLElements

13.50.1 Iliad.ILImageElement: accessing

tag Answer ‘img’.

13.50.2 Iliad.ILImageElement: accessing attributes

alt: aString
Not commented.

height: anInteger
Not commented.

ismap Not commented.

longdesc: aString
Not commented.

src: aString
Not commented.

src: src alt: alt
Not commented.

usemap: aString
Not commented.

width: anInteger
Not commented.

13.50.3 Iliad.ILImageElement: printing

beforePrintHtml
Not commented.

13.51 Iliad.ILInformationWidget

Defined in namespace Iliad

Superclass: Iliad.ILWidget

Category: Iliad-Core-Buildables

13.51.1 Iliad.ILInformationWidget: accessing

informationString

Answer 'informationString'.

informationString: aString

Not commented.

13.51.2 Iliad.ILInformationWidget: building

contents

Not commented.

13.52 Iliad.ILInputElement

Defined in namespace Iliad

Superclass: Iliad.ILFormElementElement

Category: Iliad-Core-XHTMLElements

13.52.1 Iliad.ILInputElement: accessing

tag Answer 'input'.

13.52.2 Iliad.ILInputElement: accessing attributes

accept: aString
Not commented.

accepts: aCollection
Not commented.

alt: aString
Not commented.

ismap Not commented.

maxlength: anInteger
Not commented.

size: anInteger
Not commented.

usemap: aString
Not commented.

value: aString
Not commented.

13.52.3 Iliad.ILInputElement: accessing attributes-types

beFile Not commented.

beHidden
Not commented.

beImage
Not commented.

bePassword
Not commented.

beReset
Not commented.

beSubmit
Not commented.

beText Not commented.

type: aString
Not commented.

13.52.4 Iliad.ILInputElement: printing

beforePrintHtml

Not commented.

printHtmlOn: aStream

Not commented.

13.53 Iliad.ILJson

Defined in namespace Iliad

Superclass: Iliad.ILObject

Category: Iliad-Core-lib-JSON

This class reads and writes JSON format data - strings, numbers, boolean, nil, arrays and dictionaries. See <http://www.crockford.com/JSON/index.html>. It has been extended with syntax for invoking a prearranged list of constructors on read objects.

13.53.1 Iliad.ILJson: accessing

ctorMap

Answer 'ctorMap'.

ctorMap: m

Not commented.

stream Answer the value of stream

stream: anObject

Set the value of stream

13.53.2 Iliad.ILJson: parsing

readAny

This is the main entry point for the JSON parser. See also readFrom: on the class side.

readFrom: aStream

Not commented.

13.54 Iliad.ILJsonHandler

Defined in namespace Iliad

Superclass: Iliad.ILRequestHandler

Category: Iliad-Core-RequestHandlers

13.54.1 Iliad.ILJsonHandler: initialization

initialize

Not commented.

13.54.2 Iliad.ILJsonHandler: responding

produceResponse

Not commented.

13.54.3 Iliad.ILJsonHandler: testing

shouldRedirect

Not commented.

shouldUpdateApplication

Not commented.

13.55 Iliad.ILJsonObject

Defined in namespace Iliad

Superclass: Iliad.ILObject

Category: Iliad-Core-lib-JSON

13.55.1 Iliad.ILJsonObject: accessing

at: key Not commented.

at: key ifAbsent: aBlock
Not commented.

at: key put: value
Not commented.

properties
Answer 'properties'.

13.55.2 Iliad.ILJsonObject: error handling

doesNotUnderstand: aMessage
Not commented.

13.55.3 Iliad.ILJsonObject: initialization

initialize
Not commented.

13.56 Iliad.ILJsonSyntaxError

Defined in namespace Iliad

Superclass: Grease.Grease.GRError

Category: Iliad-Core-lib-JSON

Class Json signals instances of me when an input stream contains invalid JSON input.

13.57 Iliad.ILLabelElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.57.1 Iliad.ILLabelElement: accessing

tag Answer “label”.

13.57.2 Iliad.ILLabelElement: accessing attributes

accesskey: aCharacter
Not commented.

for: aString
Not commented.

13.58 Iliad.ILLegendElement

Defined in namespace Iliad
Superclass: Iliad.ILHTMLBuilderElement
Category: Iliad-Core-XHTMLElements

13.58.1 Iliad.ILLegendElement: accessing

tag Answer “legend”.

13.58.2 Iliad.ILLegendElement: accessing attributes

accesskey: aCharacter
Not commented.

13.59 Iliad.ILLinkableElement

Defined in namespace Iliad
Superclass: Iliad.ILHTMLBuilderElement
Category: Iliad-Core-XHTMLElements

13.59.1 Iliad.ILLinkableElement: accessing attributes

accesskey: aCharacter
Not commented.

charset: aString
Not commented.

contentType: aString
Not commented.

href: aString
Not commented.

hreflang: aString
Not commented.

linkToApplication: anApplicationClass
Not commented.

linkToApplication: anApplicationClass controller: aString
Not commented.

linkToLocal: aString
Not commented.

target: aString
Not commented.

type: aString
Not commented.

13.59.2 Iliad.ILLinkableElement: accessing attributes-relationships

beAlternate
Not commented.

beAppendix
Not commented.

beBookmark
Not commented.

beChapter
Not commented.

beContents

Not commented.

beCopyright

Not commented.

beFavicon

Not commented.

beGlossary

Not commented.

beHelp Not commented.**beIndex**

Not commented.

beNext Not commented.**bePrev** Not commented.**bePrevious**

Not commented.

beRss Not commented.**beSection**

Not commented.

beStart Not commented.**beStylesheet**

Not commented.

beSubsection

Not commented.

rel: aString

Not commented.

**13.59.3 Iliad.ILLinkableElement: accessing attributes-
reverse links****fromAlternate**

Not commented.

fromAppendix

Not commented.

fromBookmark
Not commented.

fromChapter
Not commented.

fromContents
Not commented.

fromCopyright
Not commented.

fromGlossary
Not commented.

fromHelp
Not commented.

fromIndex
Not commented.

fromNext
Not commented.

fromPrev
Not commented.

fromPrevious
Not commented.

fromSection
Not commented.

fromStart
Not commented.

fromStylesheet
Not commented.

fromSubsection
Not commented.

rev: aString
Not commented.

13.60 Iliad.ILLinkElement

Defined in namespace Iliad

Superclass: Iliad.ILLinkableElement

Category: Iliad-Core-XHTMLElements

13.60.1 Iliad.ILLinkElement: accessing

tag Answer “link”.

13.60.2 Iliad.ILLinkElement: accessing attributes

allMedia
Not commented.

auralMedia
Not commented.

brailleMedia
Not commented.

handheldMedia
Not commented.

media: aString
Not commented.

printMedia
Not commented.

projectionMedia
Not commented.

screenMedia
Not commented.

ttyMedia
Not commented.

tvMedia
Not commented.

type: aString
Not commented.

13.60.3 Iliad.ILLinkElement: printing

printHtmlOn: aStream
Not commented.

13.61 Iliad.ILListElement

Defined in namespace Iliad
Superclass: Iliad.ILHTMLBuilderElement
Category: Iliad-Core-XHTMLElements

13.61.1 Iliad.ILListElement: accessing

beOrdered
Not commented.

beUnordered
Not commented.

tag Answer 'tag'.

tag: aString
Not commented.

13.62 Iliad.ILListItemElement

Defined in namespace Iliad
Superclass: Iliad.ILHTMLBuilderElement
Category: Iliad-Core-XHTMLElements

13.62.1 Iliad.ILListItemElement: accessing

tag Answer 'li'.

13.63 Iliad.ILMapElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.63.1 Iliad.ILMapElement: accessing

tag Answer ‘map’.

13.63.2 Iliad.ILMapElement: accessing attributes

classes: aCollection

Not commented.

13.64 Iliad.ILMemoryDirectory

Defined in namespace Iliad

Superclass: Iliad.ILDirectory

Category: Iliad-Core-RequestHandlers

13.64.1 Iliad.ILMemoryDirectory class: maintenance

addAllFilesIn: aPathString

Answer the receiver.

addFileAt: aPath

Answer the receiver.

13.64.2 Iliad.ILMemoryDirectory: accessing

fileContentsFor: aString

Not commented.

fileSelectors

Not commented.

path answer the base path of the memory directory

13.64.3 Iliad.ILMemoryDirectory: maintenance

deployFiles

Write to disk the files that the receiver use to serve as methods.
The files are stored in a subfolder named like the classname of the receiver in a subfolder of Smalltalk image folder.

removeFile: aFilename

Not commented.

13.64.4 Iliad.ILMemoryDirectory: testing

isFileSelector: aSelector

Only methods in 'files' protocol are allowed to be served as files

13.65 Iliad.ILMetaElement

Defined in namespace Iliad

Superclass: Iliad.ILClosingElement

Category: Iliad-Core-XHTMLElements

13.65.1 Iliad.ILMetaElement: accessing

tag Answer 'meta'.

13.65.2 Iliad.ILMetaElement: accessing attributes

class: aString

Not commented.

classes: aCollection

Not commented.

content: aString

Not commented.

contentType

Not commented.

expires Not commented.

httpEquiv: aString
Not commented.

name: aString
Not commented.

refresh Not commented.

scheme: aString
Not commented.

setCookie
Not commented.

title: aString
Not commented.

13.65.3 Iliad.ILMetaElement: accessing attributes-events

onEvent: event add: aString
Not commented.

13.65.4 Iliad.ILMetaElement: printing

beforePrintHtml
Not commented.

13.66 Iliad.ILModelProxy

Defined in namespace Iliad
Superclass: Object
Category: Iliad-Core-Utilities

13.66.1 Iliad.ILModelProxy class: instance creation

on: anObject
Not commented.

13.66.2 Iliad.ILModelProxy: accessing

model Answer 'model'.

13.66.3 Iliad.ILModelProxy: forwarding

commit Not commented.

doesNotUnderstand: aMessage
Not commented.

13.66.4 Iliad.ILModelProxy: initializing

setModel: anObject
Not commented.

13.67 Iliad.ILNotFoundHandler

Defined in namespace **Iliad**
Superclass: **Iliad.ILRequestHandler**
Category: **Iliad-Core-RequestHandlers**

13.67.1 Iliad.ILNotFoundHandler: responding

produceResponse
Not commented.

13.68 Iliad.ILObject

Defined in namespace **Iliad**
Superclass: **Grease.Grease.GRObjct**
Category: **Iliad-Core-Utilities**

ILObject is the base class for all Iliad classes. It guarantees that #initialize is send upon object creation. Additionally it provides convenience methods for accessing the current context, session and application.

13.68.1 Iliad.ILObject: accessing

application

Not commented.

context Not commented.

request Not commented.

session Not commented.

urlBuilder

Not commented.

13.69 Iliad.ILObjectElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.69.1 Iliad.ILObjectElement: accessing

tag Answer “object”.

13.69.2 Iliad.ILObjectElement: accessing attributes

archive: aString

Not commented.

archives: aCollection

Not commented.

classid: aString

Not commented.

codebase: aString

Not commented.

codetype: aString

Not commented.

data: aString
Not commented.

declare Not commented.

declareOnly
Not commented.

height: anInteger
Not commented.

name: aString
Not commented.

standby: aString
Not commented.

tabindex: anInteger
Not commented.

type: aString
Not commented.

usemap: aString
Not commented.

width: anInteger
Not commented.

13.70 Iliad.ILOptionElement

Defined in namespace Iliad
Superclass: Iliad.ILHTMLBuilderElement
Category: Iliad-Core-XHTMLElements

13.70.1 Iliad.ILOptionElement: accessing

tag Answer ‘option’.

13.70.2 Iliad.ILOptionElement: accessing attributes

disabled

Not commented.

disabled: aBoolean

Not commented.

label: aString

Not commented.

selected Not commented.

selected: aBoolean

Not commented.

value: aString

Not commented.

13.70.3 Iliad.ILOptionElement: accessing-attributes

action: aBlock

Not commented.

13.71 Iliad.ILOptionGroupElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.71.1 Iliad.ILOptionGroupElement: accessing

tag Answer “optgroup”.

13.71.2 Iliad.ILOptionGroupElement: accessing attributes

disabled

Not commented.

label: aString

Not commented.

13.72 Iliad.ILParagraphElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.72.1 Iliad.ILParagraphElement: accessing

tag Answer ‘p’.

13.73 Iliad.ILParameterElement

Defined in namespace Iliad

Superclass: Iliad.ILClosingElement

Category: Iliad-Core-XHTMLElements

13.73.1 Iliad.ILParameterElement: accessing

tag Answer ‘param’.

13.73.2 Iliad.ILParameterElement: accessing attributes

beData Not commented.

beObject
 Not commented.

beReference
 Not commented.

name: aString
 Not commented.

type: aString
 Not commented.

value: aString
 Not commented.

valuetype: aString
 Not commented.

13.73.3 Iliad.ILParameterElement: adding

add: anElement

Not commented.

13.73.4 Iliad.ILParameterElement: printing

beforePrintHtml

Not commented.

13.74 Iliad.ILPluggableWidget

Defined in namespace Iliad

Superclass: Iliad.ILWidget

Category: Iliad-Core-Buildables

13.74.1 Iliad.ILPluggableWidget: accessing

contentsBlock

Not commented.

contentsBlock: aBlock

Not commented.

13.74.2 Iliad.ILPluggableWidget: building

contents

Not commented.

13.75 Iliad.ILPrependDelegator

Defined in namespace Iliad

Superclass: Iliad.ILDelegator

Category: Iliad-Core-Buildables

13.75.1 Iliad.ILPrependDelegator: building

contents

Not commented.

13.76 Iliad.ILProfiler

Defined in namespace Iliad

Superclass: Iliad.ILDecorator

Category: Iliad-Core-Buildables

13.76.1 Iliad.ILProfiler: building

contents

Not commented.

13.77 Iliad.ILRadioButtonElement

Defined in namespace Iliad

Superclass: Iliad.ILFormElementElement

Category: Iliad-Core-XHTMLElements

13.77.1 Iliad.ILRadioButtonElement: accessing

tag Answer ‘input’.

13.77.2 Iliad.ILRadioButtonElement: accessing attributes

action: aBlock

Not commented.

beSelected

Not commented.

selected: aBoolean
Not commented.

value: aString
Not commented.

13.77.3 Iliad.ILRadioButtonElement: printing

beforePrintHtml
Not commented.

13.78 Iliad.ILRawHtmlElement

Defined in namespace Iliad
Superclass: Iliad.ILElement
Category: Iliad-Core-XHTMLElements

13.78.1 Iliad.ILRawHtmlElement: accessing

contents
Not commented.

contents: aString
Not commented.

13.78.2 Iliad.ILRawHtmlElement: printing

printHtmlOn: aStream
Not commented.

13.79 Iliad.ILRedirectHandler

Defined in namespace Iliad
Superclass: Iliad.ILRequestHandler
Category: Iliad-Core-RequestHandlers

13.79.1 Iliad.ILRedirectHandler: responding**produceResponse**

Not commented.

13.79.2 Iliad.ILRedirectHandler: testing**shouldRespondInJson**

Not commented.

13.80 Iliad.ILRequest**Defined in namespace Iliad****Superclass: Object****Category: Iliad-Core-lib-HTTP**

From Seaside 2.8.

I am a server independent http request object.

13.80.1 Iliad.ILRequest class: instance creation**new** Not commented.**13.80.2 Iliad.ILRequest: accessing****actionField**

Not commented.

ajaxUploadField

Not commented.

at: key Not commented.**at: key ifAbsent: aBlock**

Not commented.

cookies Answer 'cookies'.**cookies: anObject**

Not commented.

fields Answer 'fields'.

fields: anObject
Not commented.

hashLocationField
Not commented.

headerAt: aKey
Not commented.

headerAt: aKey ifAbsent: aBlock
Not commented.

headers Answer 'headers'.

headers: aDictionary
Not commented.

jsonField
Not commented.

method Answer 'method'.

method: aString
Not commented.

nativeRequest
Answer 'nativeRequest'.

nativeRequest: aRequest
Not commented.

password
Not commented.

sessionField
Not commented.

stateField
Not commented.

url Answer 'url'.

url: anUrl
Not commented.

user Not commented.

userAgent
Not commented.

13.80.3 Iliad.ILRequest: initialization**initialize**

Not commented.

13.80.4 Iliad.ILRequest: testing**hasCookies**

Not commented.

isAjaxRequest

Not commented.

isGet

Not commented.

isPost

Not commented.

isPrefetch

Not commented.

isPut

Not commented.

isTypeOfRequestForJson

Not commented.

isTypeOfRequestForRedirect

Not commented.

13.81 Iliad.ILRequestHandler**Defined in namespace Iliad****Superclass: Iliad.ILObject****Category: Iliad-Core-RequestHandlers**

I implement the basic behavior needed to handle requests.

My subclasses must override `#newResponse` to handle requests, and most likely `#produceResponse`. The current handled request is answered by the `#request` method inherited from `ILObject`

13.81.1 Iliad.ILRequestHandler: request handling**handleRequest**

Not commented.

13.81.2 Iliad.ILRequestHandler: responding

produceResponse

Not commented.

13.82 Iliad.ILResponse

Defined in namespace Iliad

Superclass: Object

Category: Iliad-Core-lib-HTTP

From Seaside 2.8

I am a server independent http response object.

13.82.1 Iliad.ILResponse class: instance creation

forbidden

Not commented.

new

Not commented.

notFound

Not commented.

ok

Not commented.

redirect

Not commented.

13.82.2 Iliad.ILResponse: accessing

addCookie: aCookie

Not commented.

contentType

Answer 'contentType'.

contentType: mimeTypeString

Not commented.

contents

Not commented.

contents: aStream
Not commented.

cookieAt: key put: value
Not commented.

cookies Not commented.

headerAt: key put: value
Not commented.

headers Not commented.

initialize
Not commented.

release Not commented.

status Answer 'status'.

status: anInteger
Not commented.

stream Answer 'stream'.

stream: aStream
Not commented.

13.82.3 Iliad.ILResponse: convenience

attachmentWithFileName: aString
Not commented.

basicAuthenticationRealm: aString
Not commented.

redirectTo: aString
Not commented.

13.82.4 Iliad.ILResponse: printing

printOn: aStream
Not commented.

13.82.5 Iliad.ILResponse: status

authenticationFailed
Not commented.

forbidden
Not commented.

internalError
Not commented.

notFound
Not commented.

ok Not commented.

redirect Not commented.

13.82.6 Iliad.ILResponse: streaming

nextPut: aCharacter
Not commented.

nextPutAll: aString
Not commented.

space Not commented.

13.83 Iliad.ILResponseNotification

Defined in namespace Iliad
Superclass: Notification
Category: Iliad-Core-RequestHandlers

13.83.1 Iliad.ILResponseNotification: accessing

response
Answer 'response'.

response: aResponse
Not commented.

13.84 Iliad.ILRoute

Defined in namespace Iliad

Superclass: Iliad.ILObject

Category: Iliad-Core-Dispatching

I represent a route, used to dispatch a request. My path is a collection of string, representing each part of the path of an url, and can be streamed with methods in the <streaming> protocol.

13.84.1 Iliad.ILRoute class: accessing

delimiters

Not commented.

13.84.2 Iliad.ILRoute class: instance creation

path: aCollection

Not commented.

13.84.3 Iliad.ILRoute: accessing

basePath

Not commented.

delimiter

Not commented.

delimiters

Not commented.

path

Not commented.

13.84.4 Iliad.ILRoute: converting

pathString

Not commented.

uriString

Not commented.

13.84.5 Iliad.ILRoute: initialization

initializeWithPath: aCollection

Not commented.

13.84.6 Iliad.ILRoute: iterating

currentPath

Return an absolute url of the current streamed path separated with delimiters, like this: /foo/bar/baz

13.84.7 Iliad.ILRoute: printing

printOn: aStream

Not commented.

13.84.8 Iliad.ILRoute: streaming

atEnd Not commented.

next Not commented.

peek Not commented.

position Not commented.

position: anInteger
Not commented.

reset Not commented.

13.85 Iliad.ILRouter

Defined in namespace Iliad

Superclass: Iliad.ILObject

Category: Iliad-Core-Dispatching

13.85.1 Iliad.ILRouter: accessing

application

Answer 'application'.

controller

Answer 'controller'.

hashRoute

Not commented.

route

Not commented.

13.85.2 Iliad.ILRouter: dispatching

dispatchRequest

Not commented.

13.85.3 Iliad.ILRouter: initialization

initialize

Not commented.

13.85.4 Iliad.ILRouter: testing

shouldRedirect

Not commented.

13.85.5 Iliad.ILRouter: updating

updateApplicationFromRoute

Not commented.

13.86 Iliad.ILRubyTextElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.86.1 Iliad.ILRubyTextElement: accessing

tag Answer ‘rt’.

13.86.2 Iliad.ILRubyTextElement: accessing attributes

rbspan: anInteger
Not commented.

13.87 Iliad.ILScriptElement

Defined in namespace Iliad
Superclass: Iliad.ILHTMLBuilderElement
Category: Iliad-Core-XHTMLElements

13.87.1 Iliad.ILScriptElement: accessing

contents
Not commented.

contents: aString
Not commented.

tag Answer ‘script’.

13.87.2 Iliad.ILScriptElement: accessing attributes

beJavascript
Not commented.

charset: aString
Not commented.

defer Not commented.

language: aString
Not commented.

src: aString
Not commented.

type: aString
Not commented.

13.87.3 Iliad.ILScriptElement: printing

beforePrintHtml

Not commented.

printHtmlOn: aStream

do not encode contents!!

13.88 Iliad.ILSelectElement

Defined in namespace Iliad

Superclass: Iliad.ILFormElementElement

Category: Iliad-Core-XHTMLElements

13.88.1 Iliad.ILSelectElement: accessing

tag Answer 'select'.

13.88.2 Iliad.ILSelectElement: accessing attributes

action: aBlock

This method should not be called for instances of this class.

beMultiple

Not commented.

size: anInteger

Not commented.

13.88.3 Iliad.ILSelectElement: initialize release

initialize

Not commented.

13.89 Iliad.ILSequence

Defined in namespace Iliad

Superclass: Iliad.ILWidget

Category: Iliad-Core-Buildables

13.89.1 Iliad.ILSequence: building

build Not commented.

contents

This method should not be called for instances of this class.

13.89.2 Iliad.ILSequence: control flow

restart Not commented.

start Answer the receiver.

13.89.3 Iliad.ILSequence: testing

shouldStart

Not commented.

13.90 Iliad.ILSession

Defined in namespace Iliad

Superclass: Iliad.ILObject

Category: Iliad-Core-Sessions

I represent a session in Iliad. I persist as long as I am active (i.e. an user interacts with an application). When I am inactive, I expire after a timeout set by #expirySeconds. I also store actions and applications

13.90.1 Iliad.ILSession: accessing

applications

Not commented.

dirtyWidgets

Not commented.

encoding

Not commented.

id

Answer 'id'.

id: anObject

Not commented.

nextId

Not commented.

previousStateRegistry

Not commented.

route

Not commented.

sessionManager

Not commented.

stateRegistry

Not commented.

13.90.2 Iliad.ILSession: accessing others

otherAt: aKey

Not commented.

otherAt: aKey ifAbsentPut: aBlock

Not commented.

otherAt: aKey put: anObject

Not commented.

others

Not commented.

13.90.3 Iliad.ILSession: accessing preferences

charset Not commented.

charset: aString
Not commented.

expirySeconds
Not commented.

expirySeconds: anInteger
Not commented.

language
Not commented.

language: aSymbol
Not commented.

preferenceAt: aSymbol
Not commented.

preferenceAt: aSymbol ifAbsentPut: aBlock
Not commented.

preferenceAt: aSymbol put: anObject
Not commented.

preferences
Not commented.

refreshOnBacktrack
Not commented.

refreshOnBacktrack: aBoolean
Not commented.

useCookies
Not commented.

useCookies: aBoolean
Not commented.

13.90.4 Iliad.ILSession: accessing timestamps

createdTimestamp

Not commented.

modifiedTimestamp

Not commented.

setCreatedTimestamp

Not commented.

setModifiedTimestamp

Not commented.

timestampAt: aSymbol

Not commented.

timestampAt: aSymbol ifAbsentPut: aBlock

Not commented.

timestampAt: aSymbol put: anObject

Not commented.

timestamps

Not commented.

13.90.5 Iliad.ILSession: actions

actionAt: aKeyString

Not commented.

actionFor: aBlock

Not commented.

actionRegistry

Not commented.

evaluateActionKey: aString

Not commented.

registerAction: anAction

Not commented.

registerActionFor: aBlock

Not commented.

13.90.6 Iliad.ILSession: cleaning

clearActionRegistry

Not commented.

clearRedirectUrl

Not commented.

clearStateRegistries

Not commented.

13.90.7 Iliad.ILSession: defaults

defaultExpirySeconds

Answer '1800'.

defaultLanguage

Answer 'en'.

13.90.8 Iliad.ILSession: events

onExpire

Not commented.

13.90.9 Iliad.ILSession: initialization

initialize

Not commented.

13.90.10 Iliad.ILSession: redirection

redirect Not commented.

redirectTo: anUrlString

Not commented.

redirectToIndex

Not commented.

redirectToLocal: anUrlString

Not commented.

redirectUrl

Answer ‘redirectUrl’.

redirectUrl: aString

Not commented.

13.90.11 Iliad.ILSession: states**newStateRegistry**

Not commented.

stateRegistries

Not commented.

stateRegistryAt: aString

Not commented.

13.90.12 Iliad.ILSession: testing**isExpired**

Not commented.

shouldUseSessionField

Not commented.

13.91 Iliad.ILSessionManager

Defined in namespace Iliad

Superclass: Iliad.ILObject

Category: Iliad-Core-Sessions

I am responsible for managing, creating and removing sessions. The class method `#current` answers my only instance.

You shouldn’t subclass me. Instead, you can change my preferences with methods in the `<accessing preferences>` protocol.

In addition, do not try to access the current session from here, use `ILContext>>session` instead.

– maintenance –

To remove all sessions, even not expired ones, call `#removeAllSessions`. To remove all expired sessions, call `#removeExpiredSessions`

13.91.1 Iliad.ILSessionManager class: instance creation

current Not commented.

new This method should not be called for instances of this class.

13.91.2 Iliad.ILSessionManager: accessing

expiredSessions
Not commented.

sessions Not commented.

13.91.3 Iliad.ILSessionManager: accessing preferences

cookieName
Not commented.

cookieName: aString
Not commented.

preferenceAt: aSymbol
Not commented.

preferenceAt: aSymbol ifAbsentPut: aBlock
Not commented.

preferenceAt: aSymbol put: anObject
Not commented.

preferences
Not commented.

sessionClass
Not commented.

sessionClass: aSessionClass
Not commented.

13.91.4 Iliad.ILSessionManager: adding-removing

addSession: aSession

Not commented.

removeSession: aSession

Not commented.

sessionFor: aRequest

Answer the according session for <aRequest>. the session id may be found from <aRequest> cookies or <aRequest> fields. If no session is found, create and return a new one

13.91.5 Iliad.ILSessionManager: enumerating

sessionsDo: aBlock

Not commented.

13.91.6 Iliad.ILSessionManager: initialization

initialize

Not commented.

13.91.7 Iliad.ILSessionManager: testing

hasSession: aSession

Not commented.

shouldRemoveExpiredSessions

Do not remove all expired sessions for each request

13.92 Iliad.ILSpanElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.92.1 Iliad.ILSpanElement: accessing

tag Answer “span”.

13.93 Iliad.ILStateRegistry

Defined in namespace Iliad

Superclass: Iliad.ILObject

Category: Iliad-Core-Sessions

13.93.1 Iliad.ILStateRegistry class: instance creation

fromRegistry: aStateRegistry
Not commented.

13.93.2 Iliad.ILStateRegistry: accessing

key Not commented.

setStates: aDictionary
Not commented.

stateAt: aWidget
Not commented.

states Not commented.

widgets Not commented.

13.93.3 Iliad.ILStateRegistry: states

dirtyChildrenOf: aBuildable
Not commented.

dirtyWidgets
Answer all widgets which state has changed

register: aWidget
Not commented.

unregister: aWidget
Not commented.

unregisterAllWindows
Not commented.

13.93.4 Iliad.ILStateRegistry: testing

isWidgetDirty: aWidget
Not commented.

13.94 Iliad.ILTableBodyElement

Defined in namespace Iliad
Superclass: Iliad.ILTableElementElement
Category: Iliad-Core-XHTMLElements

13.94.1 Iliad.ILTableBodyElement: accessing

tag Answer 'tbody'.

13.95 Iliad.ILTableCellElement

Defined in namespace Iliad
Superclass: Iliad.ILTableElementElement
Category: Iliad-Core-XHTMLElements

13.95.1 Iliad.ILTableCellElement: accessing attributes-table

abbr: aString
Not commented.

axis: aString
Not commented.

colScope

Not commented.

colgroupScope

Not commented.

colspan: anInteger

Not commented.

headers: aCollection

Not commented.

rowScope

Not commented.

rowgroupScope

Not commented.

rowspan: anInteger

Not commented.

scope: aString

Not commented.

13.96 Iliad.ILTableDataElement

Defined in namespace Iliad

Superclass: Iliad.ILTableCellElement

Category: Iliad-Core-XHTMLElements

13.96.1 Iliad.ILTableDataElement: accessing

tag Answer ‘td’.

13.97 Iliad.ILTableElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.97.1 Iliad.ILTableElement: accessing

tag Answer ‘table’.

13.97.2 Iliad.ILTableElement: accessing attributes

aboveFrame
 Not commented.

allRules Not commented.

belowFrame
 Not commented.

border: anInteger
 Not commented.

borderFrame
 Not commented.

boxFrame
 Not commented.

cellpadding: anInteger
 Not commented.

cellspacing: anInteger
 Not commented.

colsRules
 Not commented.

frame: aString
 Not commented.

groupRules
 Not commented.

hsidesFrame
 Not commented.

lhsFrame
 Not commented.

noRules
 Not commented.

rhsFrame

Not commented.

rowsRules

Not commented.

rules: aString

Not commented.

summary: aString

Not commented.

voidFrame

Not commented.

vsidesFrame

Not commented.

width: anInteger

Not commented.

13.98 Iliad.ILTableElementElement

Defined in namespace Iliad

Superclass: Iliad.ILHTMLBuilderElement

Category: Iliad-Core-XHTMLElements

13.98.1 Iliad.ILTableElementElement: accessing attributes-table

align: aString

Not commented.

baselineValign

Not commented.

bottomValign

Not commented.

centerAlign

Not commented.

character: aCharacter

Not commented.

characterAlign
Not commented.

charoff: anInteger
Not commented.

justifyAlign
Not commented.

leftAlign
Not commented.

middleValign
Not commented.

rightAlign
Not commented.

topValign
Not commented.

valign: aString
Not commented.

13.99 Iliad.ILTableFootElement

Defined in namespace Iliad
Superclass: Iliad.ILTableElementElement
Category: Iliad-Core-XHTMLElements

13.99.1 Iliad.ILTableFootElement: accessing

tag Answer ‘tfoot’.

13.100 Iliad.ILTableHeadElement

Defined in namespace Iliad
Superclass: Iliad.ILTableElementElement
Category: Iliad-Core-XHTMLElements

13.100.1 Iliad.ILTableHeadElement: accessing

tag Answer “thead”.

13.101 Iliad.ILTableHeaderElement

Defined in namespace Iliad

Superclass: Iliad.ILTableCellElement

Category: Iliad-Core-XHTMLElements

13.101.1 Iliad.ILTableHeaderElement: accessing

tag Answer “th”.

13.102 Iliad.ILTableRowElement

Defined in namespace Iliad

Superclass: Iliad.ILTableCellElement

Category: Iliad-Core-XHTMLElements

13.102.1 Iliad.ILTableRowElement: accessing

tag Answer “tr”.

13.103 Iliad.ILTextAreaElement

Defined in namespace Iliad

Superclass: Iliad.ILFormElementElement

Category: Iliad-Core-XHTMLElements

13.103.1 Iliad.ILTextAreaElement: accessing

tag Answer ‘textarea’.

13.103.2 Iliad.ILTextAreaElement: accessing attributes

cols: anInteger
Not commented.

rows: anInteger
Not commented.

tabindex: anInteger
Not commented.

13.104 Iliad.ILTextElement

Defined in namespace Iliad
Superclass: Iliad.ILElement
Category: Iliad-Core-Elements

13.104.1 Iliad.ILTextElement: accessing

contents
Not commented.

contents: aString
Not commented.

tag Answer ‘tag’.

tag: aString
Not commented.

13.104.2 Iliad.ILTextElement: adding

add: anElement
Not commented.

text: aString
Not commented.

13.104.3 Iliad.ILTextElement: printing**printHtmlOn: aStream**

Not commented.

13.105 Iliad.ILTitleElement**Defined in namespace Iliad****Superclass: Iliad.ILHTMLBuilderElement****Category: Iliad-Core-XHTMLElements****13.105.1 Iliad.ILTitleElement: accessing****tag** Answer 'title'.**13.105.2 Iliad.ILTitleElement: accessing attributes-events****onEvent: anEvent add: aString**

Not commented.

13.106 Iliad.ILUrl**Defined in namespace Iliad****Superclass: Object****Category: Iliad-Core-lib-HTTP**

I represent all portions of an URL as described by the RFC 1738. I include scheme, username, password, hostname, port, path, parameters, and fragment.

Portions of this code are based on code of Kazuki Yasumatsu and Paolo Bonzini.

Instance Variables scheme: <String> or nil username: <String> or nil password: <String> or nil hostname: <String> or nil port: <Integer> or nil path: <OrderedCollection> or nil parameters: <Grease.GRSsmallDictionary> fragment: <String> or nil

13.106.1 Iliad.ILUrl class: decoding**decodePercent: aString**

percent decodes the given String

13.106.2 Iliad.ILUrl class: instance creation**new** Not commented.**13.106.3 Iliad.ILUrl class: parsing****absolute: aString**

Parse aString as an absolute URL.

absolute: aString relative: aRelativeString

Take absolute URL aString and combine it with a relative path aRelativeString.

13.106.4 Iliad.ILUrl: accessing**fragment**

Answer the fragment part of the URL.

fragment: aString

Not commented.

hostname

Answer the host part of the URL.

hostname: aString

Not commented.

parameters

Not commented.

password

Answer the password part of the URL.

password: aString

Not commented.

path Answer the path part of the URL.

path: aCollection

Set the path part of the URL to aCollection.

port Answer the port number part of the URL.

port: aNumber

Not commented.

scheme Answer the URL's scheme.

scheme: aString

we really expect a String here, Old versions (2.7) expected a Symbol you can still pass a Symbol and get away with it but don't expect this behavior to be supported in future versions. #greaseString is the 'correct' way to convert a Symbol to a String since #displayString will add a hash on VW

username

Answer the username part of the URL.

username: aString

Not commented.

13.106.5 Iliad.ILUrl: adding

addAllToPath: aCollectionOfStrings

convenience method to add a collection of strings to the path

addParameter: aString

Not commented.

addParameter: keyString value: valueString

Not commented.

addToPath: aString

Not commented.

13.106.6 Iliad.ILUrl: basic

, aString

Not commented.

13.106.7 Iliad.ILUrl: comparing

= anUrl
Not commented.

hash Not commented.

13.106.8 Iliad.ILUrl: converting

asString
Not commented.

greaseString
Not commented.

pathString
Answer the path converted to a string.

relativeTo: anUrl
Answer a path element collection relative from the receiver to anUrl.

13.106.9 Iliad.ILUrl: copying

postCopy
Not commented.

with: pathString
Not commented.

withParameter: aString
Not commented.

withParameter: aString value: valueString
Not commented.

withoutParameters
Not commented.

13.106.10 Iliad.ILUrl: encoding**printFragmentOn: aStream encoded: aBoolean**

Not commented.

printOn: aStream encoded: aBoolean usingHtmlEntities: another-Boolean

Not commented.

printParametersOn: aStream encoded: aBoolean usingHtmlEntities: anotherBoolean

Not commented.

printPathOn: aStream encoded: aBoolean

Not commented.

printServerOn: aStream encoded: aBoolean

Not commented.

13.106.11 Iliad.ILUrl: initialization**initialize**

Not commented.

initializeFromString: aString

Not commented.

13.106.12 Iliad.ILUrl: parsing**parseFragment: aString**

Not commented.

parseHost: aString

Not commented.

parseParameters: aString

Not commented.

parsePath: aString

Not commented.

13.106.13 Iliad.ILUrl: printing**printEncodedOn: aStream**

Not commented.

printOn: aStream

Not commented.

printOn: aStream encoded: aBoolean

Not commented.

13.106.14 Iliad.ILUrl: removing**removeParameter: aString**

Not commented.

13.107 Iliad.ILUrlBuilder**Defined in namespace Iliad****Superclass: Iliad.ILObject****Category: Iliad-Core-Sessions****13.107.1 Iliad.ILUrlBuilder class: accessing****actionKey**

Not commented.

addRewriteRule: aBlock

Not commented.

ajaxUploadKey

Not commented.

hashKey

Not commented.

rewriteRules

Rewrite rules are used to replace patterns in the baseUrl

sessionKey

Not commented.

stateKey

Not commented.

13.107.2 Iliad.ILUrlBuilder class: defaults

defaultActionKey

Answer “_action”.

defaultAjaxUploadKey

Answer “_ajax_upload”.

defaultHashKey

Answer “_hash”.

defaultSessionKey

Answer “_session”.

defaultStateKey

Answer “_state”.

13.107.3 Iliad.ILUrlBuilder: accessing

actionKey

Not commented.

hashKey

Not commented.

rewriteRules

Not commented.

sessionKey

Not commented.

stateKey

Not commented.

13.107.4 Iliad.ILUrlBuilder: generating

addDefaultParametersTo: anUrl

Not commented.

applyRewriteRulesTo: anUrl

Not commented.

baseUrl Not commented.

urlFor: aString
Not commented.

urlForAction: anAction
Not commented.

urlForAction: anAction hash: aHashString
Not commented.

urlForActionKey: aKeyString hash: aHashString
Not commented.

urlForRedirection: aString
Not commented.

13.107.5 Iliad.ILUrlBuilder: testing

shouldUseSessionField
Not commented.

13.108 Iliad.ILWidget

Defined in namespace Iliad
Superclass: Iliad.ILBuildable
Category: Iliad-Core-Buildables

I am a stateful graphical component.

```

===== " Building HTML with widgets
" =====

```

To build HTML override the `#contents` method, which should always return a view block, ie, a block which takes an element as parameter.

Example:

```

contents ^[:e || div | div := e div class: 'foo'. div h1: 'Bar'. div a
text: 'do something'; action: [self doSomething]]

```

See Iliad.ILElement hierarchy (Especially Iliad.ILHTMLBuilderElement) for more information about building HTML with elements.

`#contents` method should **never** be called from the outside. Use `#build` instead. For instance, to build a sub-widget in a view block, you should write something like:

```

contents [ ^[:e | e build: mySubWidget] ]

```

```

"Control flow "

```

I can show (display instead of me) other widgets with `#show*` methods or answer to widgets that called me with `#answer`.

When using the javascript layer, call `#markDirty` whenever my state change, so I will be updated on AJAX requests.

Widgets which states depend on me can be automatically rebuilt whenever I am marked as dirty (see `#addDependentWidget`).

```

"Decorators "

```

I can also have decorators that may modify my behavior. A decorator can be added to the decoration chain with `#decorateWith`.

13.108.1 Iliad.ILWidget: accessing

dependentWidgets

Not commented.

id Not commented.

id: aString

Not commented.

owner Answer the widget which shows me. if any

owner: aWidget

Not commented.

state Not commented.

stateRegistry

Not commented.

widget Answer the receiver.

widgetFor: aBuildable

Convenience method. This is useful for building anonymous widgets.
ex: `myWidget := self widgetFor: [:e | e h1: 'Hello world!']`

13.108.2 Iliad.ILWidget: building

buildContents

Do **not** override this method. Use `#contents` instead

buildHead: aHead

Not commented.

contents

Override this method to add contents to your widget

fullContents

Do **not** override this method. Use `#contents` instead

scripts

Answer a collection of strings. Override in subclasses to add scripts to load with the widget

styles

Answer a collection of strings. Override in subclasses to add styles to load with the widget

13.108.3 Iliad.ILWidget: control flow**addDependentWidget: aWidget**

Add `<aWidget>` to my dependent widgets. Each dependent widget will be rebuilt on AJAX requests whenever I am rebuilt

answer

Give the control back to the owner, i.e, the widget which showed the receiver. Answer `self`

answer: anAnswer

Give the control back to the owner, i.e, the widget which showed the receiver. Answer `<anAnswer>`

append: aWidget

Insert `<aWidget>` after the receiver

append: aWidget onAnswer: aBlock

Insert `<aWidget>` after the receiver

confirm: aString ifTrue: aBlock

Not commented.

confirm: aString ifTrue: aBlock ifFalse: anotherBlock

Not commented.

handleAnswer: anAnswer

Answer `'nil'`.

inform: aString

Not commented.

prepend: aWidget

Insert `<aWidget>` before the receiver

prepend: aWidget onAnswer: aBlock

Insert `<aWidget>` before the receiver

removeDependentWidget: aWidget

Not commented.

retrieveControl

Give the control back to the receiver, and make any showed widget answer nil

show: aWidget

Show another widget instead of the receiver. The receiver is also implicitly marked dirty

show: aWidget onAnswer: aBlock

Show another widget instead of the receiver and catch the answer in <aBlock>. The receiver is also implicitly marked dirty

show: aWidget onAnswer: aBlock delegator: aDelegator

Not commented.

13.108.4 Iliad.ILWidget: copying**postCopy**

Not commented.

13.108.5 Iliad.ILWidget: decorators**decorateWith: aDecorator**

Not commented.

decorateWith: aDecorator during: aBlock

Not commented.

decoratorsDo: aBlock

Not commented.

removeDecorator: aDecorator

Remove <aDecorator> from the decoration chain, except if <aDecorator> is the initial one

withDecoratorsDo: aBlock

Not commented.

13.108.6 Iliad.ILWidget: defaults

rootElementClass

Answer 'ILDivElement'.

13.108.7 Iliad.ILWidget: initialization

initialize

Not commented.

13.108.8 Iliad.ILWidget: printing

printJsonOn: aStream

Not commented.

13.108.9 Iliad.ILWidget: states

markDirty

Mark the receiver as 'dirty', so the widget will be rebuilt on Ajax requests. You do not need to mark subwidgets as dirty, they will be rebuilt together with the receiver

registerState

Not commented.

13.109 Iliad.ILXmlElement

Defined in namespace Iliad

Superclass: Iliad.ILElement

Category: Iliad-Core-Elements

13.109.1 Iliad.ILXmlElement: accessing**contentType**

Not commented.

tag Answer 'tag'.**tag: aString**

Not commented.

xmlTag Not commented.**13.109.2 Iliad.ILXmlElement: converting****respondOn: aResponse**

Not commented.

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