Web Client JavaScript Namespaces

Framework and Core Cells

The i2b2 web client framework has been designed to exist and run in a structured namespace within the JavaScript VM. The base namespace is **i2b2** and exists within the JSVM's global scope. Various subsystems, cells and plug-in modules also extend this namespace using an abbreviated code such as **ONT** for the Ontology Cell, **WORK** for the Workspace Cell.

Namespace	Description
events	Collection of YUI Events objects for major events that occur within the Framework
h	Namespace containing helper functions for use by the framework and plug-ins
hive	
HelpViewer	The help viewer system
MasterView	Top level view controller that handles the main view windows
MsgSniffer	The communications channel sniffer subsystem and display window
cfg	Configuration for the Hive including: known plug-ins / cells, loaded plug-in / cells, known login
domains	
sdx	
Master	All SDX calls go through this object and are routed to the correct even handlers
TypeControllers	Namespace containing all SDX data type specific processing libraries

Plug-ins

Each cell or module extends its own namespace in its own way but there are some extensions which are automatically created by the core web client framework.

These standard extensions are as follows:

Namespace	Description
ajax	Namespace used to contain all communications layer objects and functionality
cellCode	String containing the code for the module's namespace root (ONT for i2b2.ONT namespace)
cfg	Namespace used to store all configuration information (auto-populated from JSON config file)
baseDir	URI pointing to the base directory used by the code module
cellParams	Cell parameters loaded at login from the PM for this Cell-based code module
cellURL	URL to the Cell Server's access point (only set for Cell-based modules)
config	
assetDir	URI to the asset directory of the module
category	Array of Strings - search categories this module represents (auto-loaded from JSON config)
icons	
size32x32	String – filename of image to be used for 32x32 pixel icon
size16x16	String – filename of image to be used for 16x16 pixel icon
name	Friendly-name for this module (short_name in JSON config for module.
css	Array of Strings - filenames of CSS files to be loaded (**See note listed below**)
files	Array of Strings - filenames of JavaScript files to load
ctrlr	Namespace for controller objects used by the code module
isLoaded	Boolean - is the code module fully loaded into the web client framework?
model	Namespace to contain any local data used by the module

view	Namespace to contain the view objects used by the module
{someview}	
cellRoot	Reference pointer back to the module's namespace root
visible	Boolean - is the view visible?
modal	Namespace to contain references of any modal forms used by the View

⚠️ **Be Careful**

A single CSS file should only be specified here because of problems caused by Internet Explorer's limit on the number of dynamically loaded CSS files allowed. If your module requires multiple CSS files, create amaster_load.css file which uses @import "filename.css" to import the rest of the CSS files.

Firebug showing Workspace Cell Namespace (i2b2.WORK)