

YUI 101

Brief Introduction to the Yahoo User
Interface Library

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What is YUI?

The Yahoo! User Interface Library is a set of utilities and controls, written in JavaScript, for building richly interactive web applications using techniques such as DOM scripting, DHTML and AJAX. The YUI Library also includes several core CSS resources. All components in the YUI Library have been released as open source under a BSD license and are free for all uses.

Why YUI?

- Lots of components are in YUI, available as individual modules
- It takes 4 slides in this presentaton to list what it does.
- If you have a JavaScript itch, there's probably a YUI component or utility that can help you scratch it.
- My own experience with YUI:
 - I wanted to go with jQuery jQuery UI but found documentation lacking
 - I like Prototype and Scriptaculous but didn't see anything mature
 - Found YUI with a DataTable component which scratched my itch

What does YUI do?

YUI Developer Tools:

- Logger Control
- Profiler
- ProfilerViewer Control
- YUI Test Utility

YUI Core:

- The YAHOO Global Object
- DOM Collection
- Event Utility

What does YUI do?

YUI Library Utilities:

- Animation Utility
- Browser History Manager
- Connection Manager
- Cookie Utility
- DataSource Utility
- Drag and Drop Utility
- Element Utility
- Get Utility (dynamic script/css loading)
- ImageLoader
- JSON Utility
- Resize Utility
- Selector Utility
- YUI Loader Utility

What does YUI do?

YUI Library Controls/Widgets:

- AutoComplete
- Button
- Calendar
- Charts
- Color Picker
- Container (includes Module, Overlay, Panel, Tooltip, Dialog, SimpleDialog)
- DataTable
- ImageCropper

Layout Manager

- Menu
- Rich Text Editor
- Slider
- TabView
- TreeView
- Uploader

What does YUI do?

YUI Library CSS Tools:

- CSS Reset (neutralizes browser CSS styles)
- CSS Base (applies consistent style foundation for common elements)
- CSS Fonts (foundation for typography and font-sizing)
- CSS Grids (more than 1,000 CSS-driven wireframes in a 4KB file)

Framework vs. Library (Splitting hairs)

Frameworks: (YUI, jQuery UI, jQuery Plugins)

- more complex interactions accounted for
- widgets for multiple purposes
- heavier download

Libraries (e.g.: Prototype, jQuery)

- lower level utilities and syntax for things like DOM Manipulation, XHR, animation
- slimmer download

Higher level Frameworks :

- GWT - a Java Framework for creating rich UI

What I like about YUI

- Excellent documentation
- Excellent cheatsheets
- License is BSD; if Yahoo implodes or explodes it will live on
- Excellent "Hello World" examples on YUI website
- YUI Blog
- YUI Theater Podcast
- Full API documented
- Active development
- Library items are themable
- It appears to be as small as it can be
- Pick and choose components you want and need
- Straightforward to determine dependencies

What I don't like about YUI

- Download tends to be heavy

That's it. Did I mention how much I love having great documentation to YUI? Makes life much easier?

FreeStyle Leaderboards Application

<http://freestyle.sierraonline.com/leaderboards/>

Uses:

- DataTable
- DataSource Utility
- Element Utility
- Event Utility
- Buttons
- Fonts CSS



LEADERBOARDS

Leaderboard:
 Filter by Position:
 Filter by Level: to
 Filter by Player Name:

POINTS Page 1 of 400 (9,995 total records)

Rank	Player Name	Pos.	Lvl.	Value	Compare?
1	mcwalles	SG	45	127,372	<input type="checkbox"/>
2	SmoknTres	SG	45	85,892	<input type="checkbox"/>
3	kai23	PF	45	78,849	<input type="checkbox"/>
4	June	SG	45	75,487	<input type="checkbox"/>
5	Solicit	SF	44	72,489	<input type="checkbox"/>
6	MikeCool	SG	45	72,233	<input checked="" type="checkbox"/>
7	claudialover	SF	45	69,325	<input checked="" type="checkbox"/>
8	TGBexs2SG	SG	45	67,670	<input checked="" type="checkbox"/>
9	BBQ35sec13pt	SG	43	58,842	<input type="checkbox"/>
10	niceshot2	SG	44	57,304	<input type="checkbox"/>
11	TGBgoolSG	SG	45	54,174	<input type="checkbox"/>
12	Rock	SG	44	54,102	<input type="checkbox"/>
13	weezybabby	SG	43	52,746	<input type="checkbox"/>
14	TrustINme	SG	45	52,423	<input type="checkbox"/>
15	1337	SG	44	49,825	<input type="checkbox"/>
16	GRRRR	PF	45	49,750	<input type="checkbox"/>
17	Doraemon	SF	44	49,335	<input type="checkbox"/>
18	blkdc5	SF	44	48,449	<input type="checkbox"/>
19	yuzhou	SG	43	47,676	<input type="checkbox"/>
20	GuardianSG	SG	44	47,317	<input type="checkbox"/>
21	theBao	SG	42	46,008	<input type="checkbox"/>
22	DAKIINGJAME	PG	43	45,671	<input type="checkbox"/>
23	HotShana	SF	42	45,015	<input type="checkbox"/>
24	died	SG	43	44,298	<input type="checkbox"/>
25	MizuPF	PF	43	44,232	<input type="checkbox"/>

COMPARE LIST

- MikeCool
- claudialover
- TGBexs2SG

Leaderboard

Points



Filter by Position

Any



Filter by Level

1

to

45



Filter by Player Name



POINTS

Page 1 of 400 (9,995 total records)

Rank	Player Name	Pos.	Lvl.	Value	Compare?
1	mcwalles	SG	45	127,372	<input type="checkbox"/>
2	SmoknTres	SG	45	85,892	<input type="checkbox"/>
3	kai23	PF	45	78,849	<input type="checkbox"/>
4	June	SG	45	75,487	<input type="checkbox"/>
5	Solicit	SF	44	72,489	<input type="checkbox"/>
6	MikeCool	SG	45	72,233	<input checked="" type="checkbox"/>
7	claudialover	SF	45	69,325	<input checked="" type="checkbox"/>
8	TGBexs2SG	SG	45	67,670	<input checked="" type="checkbox"/>
9	BBQ35sec13pt	SG	43	58,842	<input type="checkbox"/>

COMPARE LIST

MikeCool
claudialover
TGBexs2SG

Compare

COMPARE PLAYERS

Points		
Rank	Player	Value
6	MikeCool	72,233
7	claudialover	69,325
8	TGBexs2SG	67,670

3 Points		
Rank	Player	Value
4	MikeCool	53,607
11	TGBexs2SG	42,894
64	claudialover	25,677

Assists		
Rank	Player	Value
18	TGBexs2SG	11,540
82	claudialover	8,108
196	MikeCool	6,359

Rebounds		
Rank	Player	Value
134	claudialover	8,607
855	TGBexs2SG	3,817
9,901	MikeCool	820

Blocks		
Rank	Player	Value
1	claudialover	8,456
3	TGBexs2SG	6,882
61	MikeCool	2,878

Steals		
Rank	Player	Value
2	TGBexs2SG	4,503
9	MikeCool	3,120
146	claudialover	1,392

Win points		
Rank	Player	Value
9	claudialover	6,663
11	MikeCool	6,298
23	TGBexs2SG	5,596

Win Points 1on1		
Rank	Player	Value
37	TGBexs2SG	780
1,099	claudialover	176
4,058	MikeCool	86

MVP count		
Rank	Player	Value
78	MikeCool	496
95	claudialover	465
559	TGBexs2SG	226

PLAYER PROFILE



MikeCool

Shooting Guard

Level

45

Category	Value	Overall Rank
Points	72,233	6
3 Points	53,607	4
Assists	6,359	196
Rebounds	820	9,901
Blocks	2,878	61
Steals	3,120	9
Win points	6,298	11
Win Points 1on1	86	4,058
MVP count	496	78

Updated Feb 14, 2008. Leaderboards are updated daily.

[« Back to Leaderboards](#)

Under the hood

JSON Object

```
1 {
2   "category": "Points"
3   , "recordsReturned": 25
4   , "totalRecords": 9995
5   , "totalPages": 400
6   , "startIndex": "0"
7   , "pageNumber": "1"
8   , "sort": "ranking"
9   , "dir": "asc"
10  , "level_1": "1"
11  , "level_2": 45
12  , "notFoundMessage": ""
13  , "bookmarkPlayers": []
14  , "unrankedPlayers": []
15  , "recordDate": "2008-02-14"
16  , "recordDatePretty": "Feb 14, 2008"
17  , "allPages": [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41]
18  , "visiblePages": [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
19  , "records": [
20    {"category": "Points", "userid": "mcwalles", "ranking": 1, "value1": "127372", "position": "SG", "level": "45", "gameid": "mcwalles"}
21    , {"category": "Points", "userid": "SmoknTres", "ranking": 2, "value1": "85892", "position": "SG", "level": "45", "gameid": "SmoknTres"}
22    , {"category": "Points", "userid": "kai23", "ranking": 3, "value1": "78849", "position": "PF", "level": "45", "gameid": "kai23"}
23    , {"category": "Points", "userid": "June", "ranking": 4, "value1": "75487", "position": "SG", "level": "45", "gameid": "June"}
24    , {"category": "Points", "userid": "Solicit", "ranking": 5, "value1": "72489", "position": "SF", "level": "44", "gameid": "Solicit"}}
25    ...
26  ]
27 }
```

JSON Data

- PHP written to emit JSON object in response to REST calls

Resources

- <http://developer.yahoo.com/yui/>
- <http://developer.yahoo.com/yui/download/>
- <http://developer.yahoo.com/yui/#cheatsheets>
- <http://tech.groups.yahoo.com/group/ydn-javascript/>
- <http://yuiblog.com/>
- <http://developer.yahoo.com/yui/theater/>
- <http://del.icio.us/popular/yui>

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