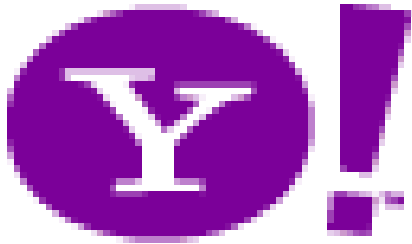


Extend The Web

Rich Waters

Background



- 1.0 Release
 - Licensing
 - Support
 - jQuery / Protaculous / YUI (Adapters)

Why?

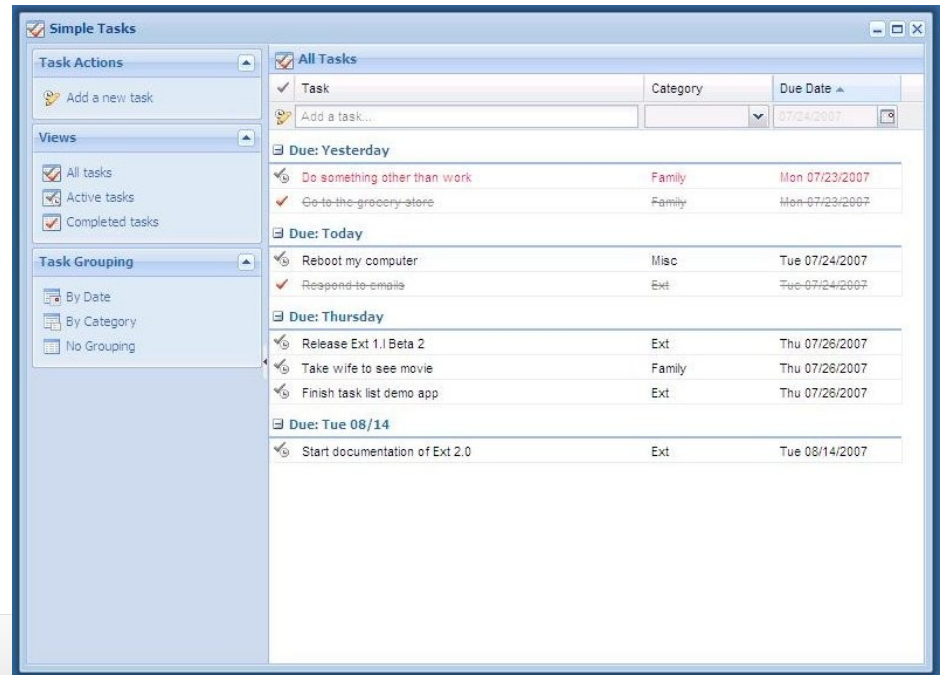
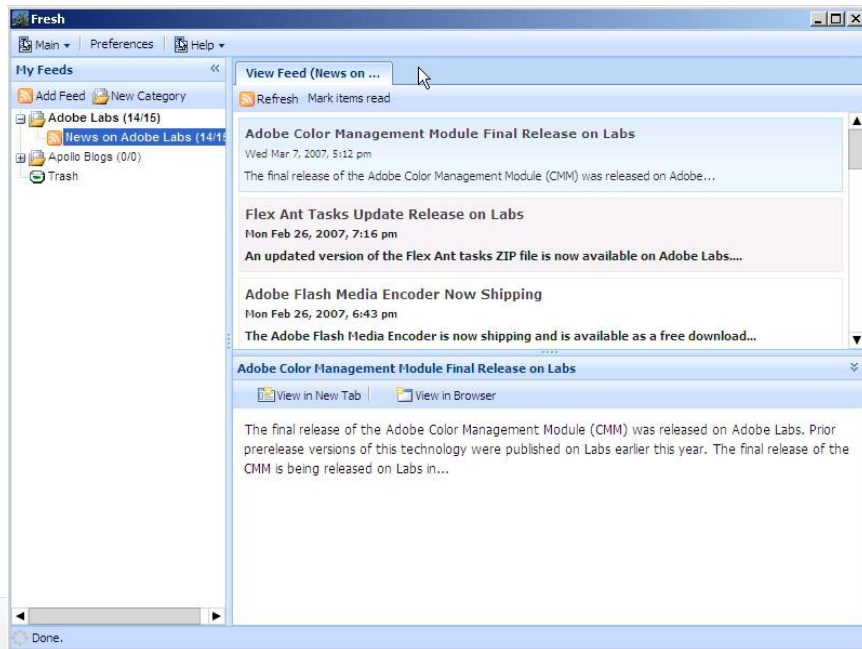
- There are hundreds of JavaScript frameworks
- Years of development
- Large corporation backing

Why?

- Others not providing out of the box components
- Out of the box components look horrible or lack features
- Cross browser issues

Now

- 2.0 Beta 1!
- Adobe AIR



Inheritance

```
NewClass = function(arg1, arg2, config) {  
    Ext.apply(this,config);  
    NewClass.superclass.constructor.call(this);  
};  
Ext.extend(NewClass, BaseClass, {  
    overriddenFunction: function(arg1,arg2) {  
        // code  
    },  
    newFunction: function(arg) {  
        // code  
    }  
});
```

Events

- onReady
 - Cross browser DOMContentLoaded
- KeyMap
 - Easily assign key handlers to any element

Events Example

```
var el = Ext.get('somelink');  
el.on('click', function(){  
    alert('you click on a link');  
});
```

- Scoping -

```
function onClick = function(){  
    alert(this.someProperty);  
};  
var scope = {  
    someProperty : 'someValue'  
}  
var el = Ext.get('somelink');  
el.on('click', onClick, scope);
```

Events: Component

Public Events

Event	Defined By
▷ beforedestroy : (Ext.Component this) Fires before the component is destroyed. Return false to stop the destroy.	Component
▷ beforehide : (Ext.Component this) Fires before the component is hidden. Return false to stop the hide.	Component
▷ beforerender : (Ext.Component this) Fires before the component is rendered. Return false to stop the render.	Component
▷ beforeshow : (Ext.Component this) Fires before the component is shown. Return false to stop the show.	Component
▷ destroy : (Ext.Component this) Fires after the component is destroyed.	Component
▷ disable : (Ext.Component this) Fires after the component is disabled.	Component
▷ enable : (Ext.Component this) Fires after the component is enabled.	Component

Configuration Options!

Config Options

Config Options	Defined By
allowBlank : Boolean False to validate that the value length > 0 (defaults to true)	TextField
allowDomMove : Boolean Whether the component can move the Dom node when rendering (defaults to true).	Component
▷ altFormats : String Multiple date formats separated by " " to try when parsing a user input value and it doesn't match the defined format...	DateField
▷ applyTo : Mixed The id of the node, a DOM node or an existing Element corresponding to a DIV that is already present in the document ...	Component
▷ autoCreate : String/Object A DomHelper element spec, or true for a default element spec (defaults to {tag: "input", type: "text", size: "10", au...	DateField
autoHeight : Boolean True to use height:'auto', false to use fixed height (defaults to false).	BoxComponent

Elements

- Ext.get
 - Style / Positioning
 - Effects / Animations
 - Convenience methods
- Ext.fly
 - Lightweight
 - [http://en.wikipedia.org/wiki/Flyweight_p](http://en.wikipedia.org/wiki/Flyweight_pattern)
 - Only immediate use

Ext.Template

```
var t = new Ext.Template(
    '<div name="{id}">',
    '  <span class="{cls}">{name:trim}
{value:ellipsis(10)}</span>',
    '</div>'
);
t.append('some-element', {id: 'myid', cls: 'myclass', name:
'foo', value: 'bar'})
```

DomQuery

- Ext.select / Ext.query
 - CSS
 - XPath
 - Speed Comparison
 - Compiling

Library	IE 7	FireFox 2	Safari 2.0.4	Opera 9.2	IE 6	Errors
Ext	202 ms	239 ms	330 ms	96 ms	902 ms	0 errors
jQuery	334 ms	392 ms	843 ms	176 ms	1948 ms	0 errors
Dojo	415 ms	315 ms	917 ms	110 ms	1775 ms	4 errors
Mootools	684 ms	136 ms	1446 ms	129 ms	2655 ms	4 errors
Prototype	868 ms	172 ms	2031 ms	119 ms	3743 ms	2 errors (IE only)

Enough Slides

Let's see some Examples!

What about file size?

Choose Components and Classes

☐ Check All ☒ Show Files ☒ Show Dependencies

☒ **Ext Core (Required)**

Files:
DomHelper.js Template.js DomQuery.js Observable.js EventManager.js Element.js Fx.js CompositeElement.js UpdateManager.js
DelayedTask.js

☐ **Core - Utilities**

Files:
ClickRepeater.js CSS.js Format.js JSON.js KeyMap.js KeyNav.js MixedCollection.js TaskMgr.js TextMetrics.js

☐ **Core - Date Parsing and Formatting**

Files:
Date.js

☐ **Core - Layers**

Files:
Component.js Layer.js Shadow.js

☐ **Core - Drag and Drop**

Files:
DDCore.js StatusProxy.js Registry.js DragSource.js DropTarget.js DragZone.js DropZone.js

Dependencies:
Layer.js Shadow.js

Optional Features/Dependencies:
☐ Overflow Scrolling Support - ScrollManager.js

Resources

- Premium Support!
 - <http://extjs.com/store>
- API Documentation
 - <http://extjs.com/deploy/ext/docs>
 - <http://extjs.com/deploy/dev/docs>
- User Forums
 - <http://extjs.com/forum>
- IRC Channel
 - #extjs – freenode
- <http://extjs.com/learn>

General Info

- Nearly 15,000 registered forum users
- 77,000+ posts
- 200+ posts/day

Questions?

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