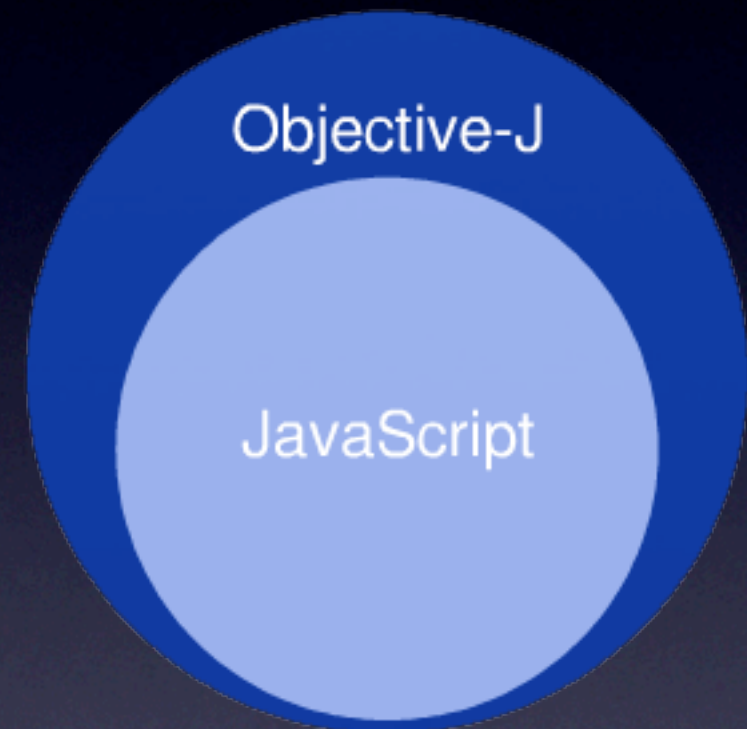# Cappuccino

„Cocoa for the Web"

Cappuccino

- Clientseitiges Webapp-Framework

- Cocoa-Portierung auf JavaScript

- Foundation, AppKit, CoreGraphics und CoreAnimation

- Objective-J statt HTML, CSS und DOM

- Open source (LGPL)

Objective-J

- JavaScript „Erweiterung"

- Portierung der Syntax von Objective-C (1.x)

- Mit speziellen Anpassungen

- Kein Memory Management

- ECMA-Script 4, JavaScript 2

Objective-J

```objj
@import <Foundation/CPObject.j>

@implementation AppController : CPObject {
    CPWindow theWindow;
    CPView theMainView @accessors;
}

- (void)awakeFromCib {
    [theWindow setFullBridge:YES];
}


- (void)applicationDidFinishLaunching:(CPNotification)aNotification {
    // enable logging
    CPLogRegister(CPLogConsole);
    // do something
    var aString = @"An Objective-J String"
    [self doSomethingWithString:aString andWindow:theWindow];
}
```
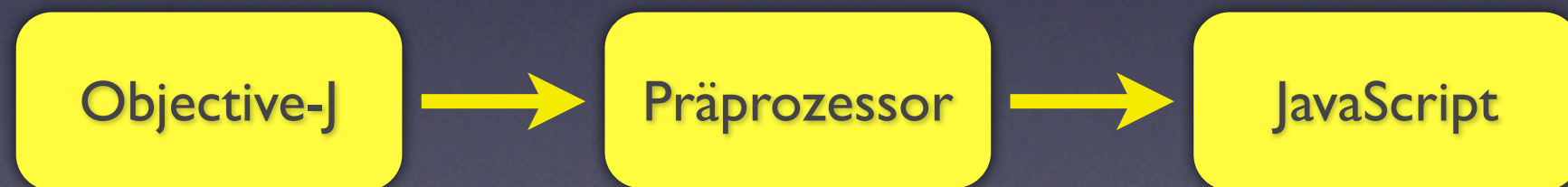
Objective-J

- Kein Plugin oder kompilieren nötig

- .j-Dateien werden on the fly interpretiert und in JavaScript umgewandelt

- Umwandlung durch Präprozessor (JavaScript)

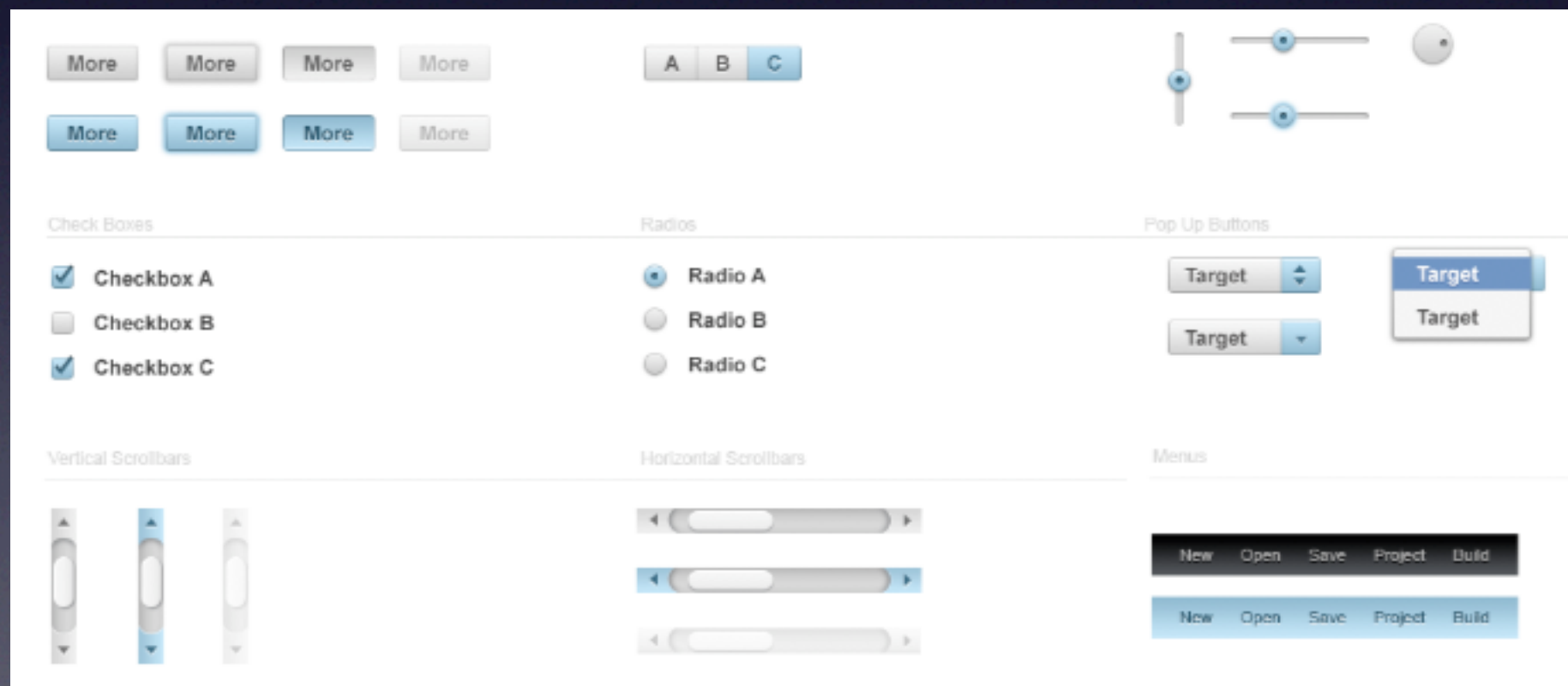| Objective-J | → | Präprozessor | → | JavaScript |

Browserkompatibilität

- Internet Explorer 6 & 7

- Firefox 2 & 3

- Safari 3 / WebKit

- Google Chrome

- Opera 9

Wichtigstes Merkmal:
JavaScript Engine

Aristo

- Theme Support

- Open Source (Photoshop)

Tools

- capp - Projekterzeuger

- objj - Objective-J Interpreter

- ojunit - Unit Testing Kit

- nib2cib - XIB-Konverter

- cplutil - PList Utility

Tools

- press - Optimizer

- bake - Deployment-Tool

- WebKit JavaScript Profiler

Self ▼	Total	Average	Calls	Function
11.08%	12.34%	2.22%	5	▶ – [CPView setBackgroundColor:]
4.91%	5.03%	0.38%	13	▶ – [CPImage load]
4.58%	6.09%	0.46%	10	▶ – [CPView setFrameSize:]
3.55%	5.70%	3.55%	1	▶ – [CPDOMWindowBridge _initWithDOMWindow:]
2.43%	49.90%	2.43%	1	▶ – [_CPStandardWindowView initWithFrame:style
2.25%	11.57%	0.19%	12	▶ – [CPView initWithFrame:]
2.15%	82.81%	2.15%	1	▶ – [CPWindow initWithContentRect:styleMask:bri
2.04%	7.84%	1.02%	2	▶ – [CPWindow setHasShadow:]
1.91%	2.15%	1.91%	1	▶ – [CPString sizeWithFont:inWidth:]
1.53%	2.13%	0.05%	32	▶ – [CPThemedAttribute valueForControlState:]
1.46%	6.91%	0.15%	10	▶ – [CPView _insertSubview:atIndex:]
1.06%	3.80%	0.04%	27	▶ – [CPView _setWindow:]
1.04%	1.48%	1.04%	1	▶ – [_CPBorderlessBridgeWindowView tile]

Atlas

- „Interface Builder im Browser "

- Cappuccino-Editor

- Reduzierung des UI-Codes

- Interface-File Format: cib

Ausblick

Links

- Cappuccino Website: http://cappuccino.org

- 280Slides: http://280slides.com

- Atlas Video: http://www.viddler.com/explore/boucher/videos/1/

- WebKit JavaScript Debugger: http://alertdebugging.com