

Working Offline

Craig Shoemaker
craigshoemaker.net
@craigshoemaker



pluralsight 
hardcore dev and IT training

Course Overview

Introduction

Working Offline

Create a New Application

Implementing the List Page

Persistence Strategies

Using IndexedDB

Implementing the Edit Page

Synchronizing Offline Data

Implementing the Manifest File

Where to Go Next

Awareness

Native API

`window.navigator.onLine`



Inconsistent browser
support.

Offline.js

Every app goes offline

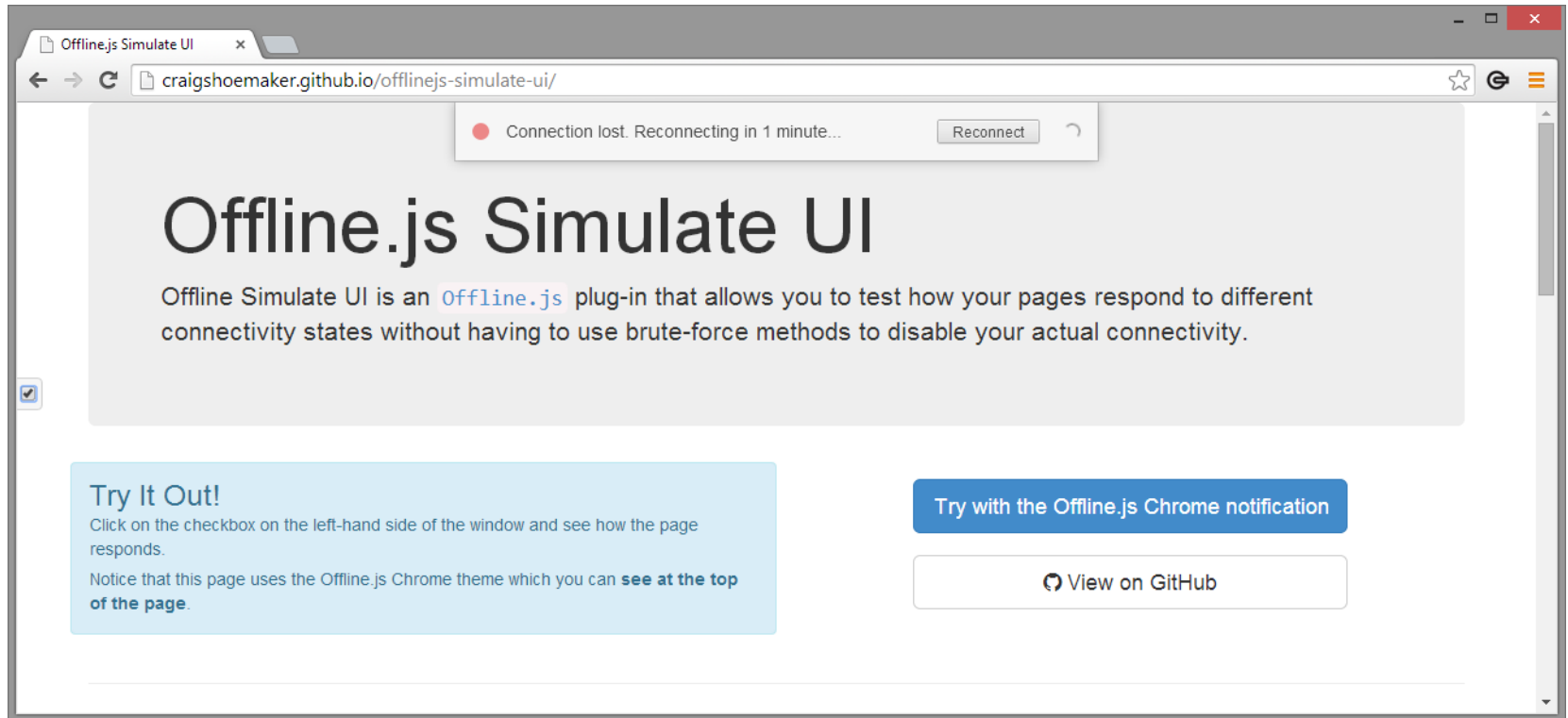
★ ON GITHUB



<http://bit.ly/offlinejs>

Demo

Offline.js



<http://bit.ly/offline-ui>

Demo

Native API

Demo

Offline.js Simulate UI

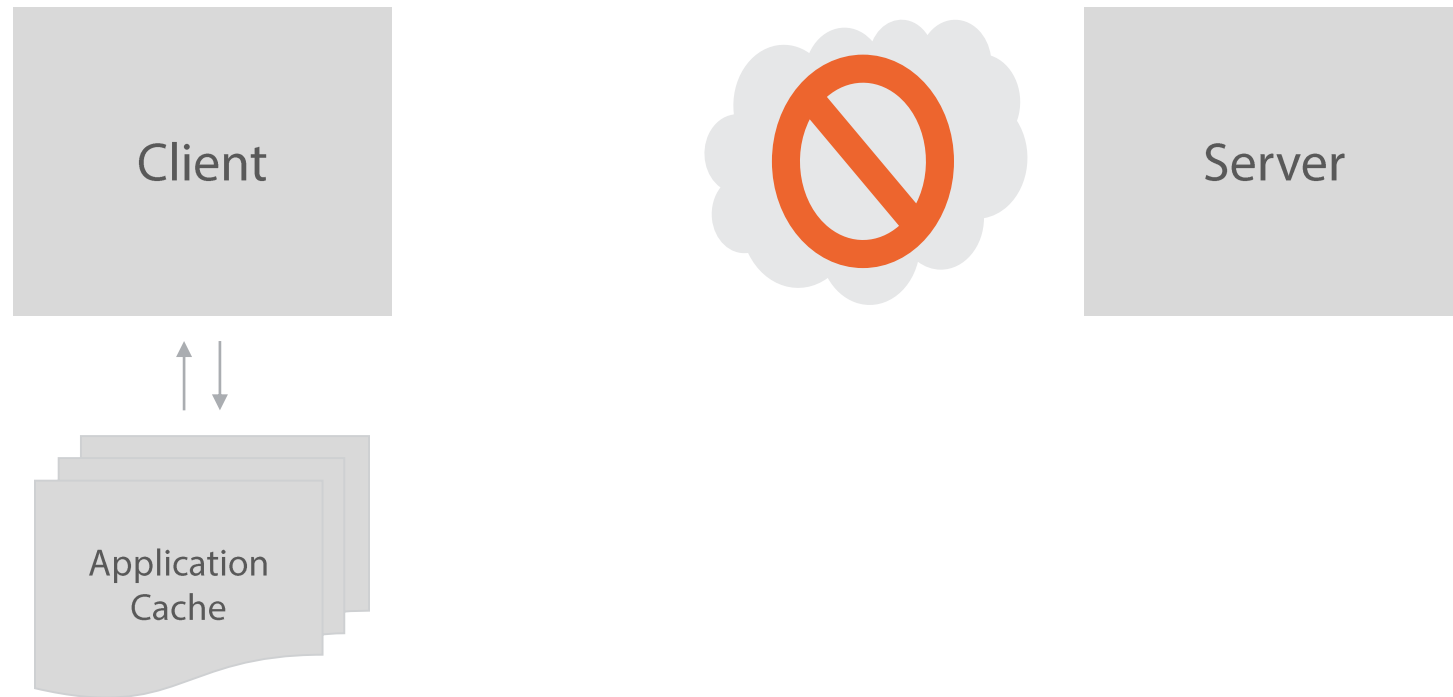
Availability

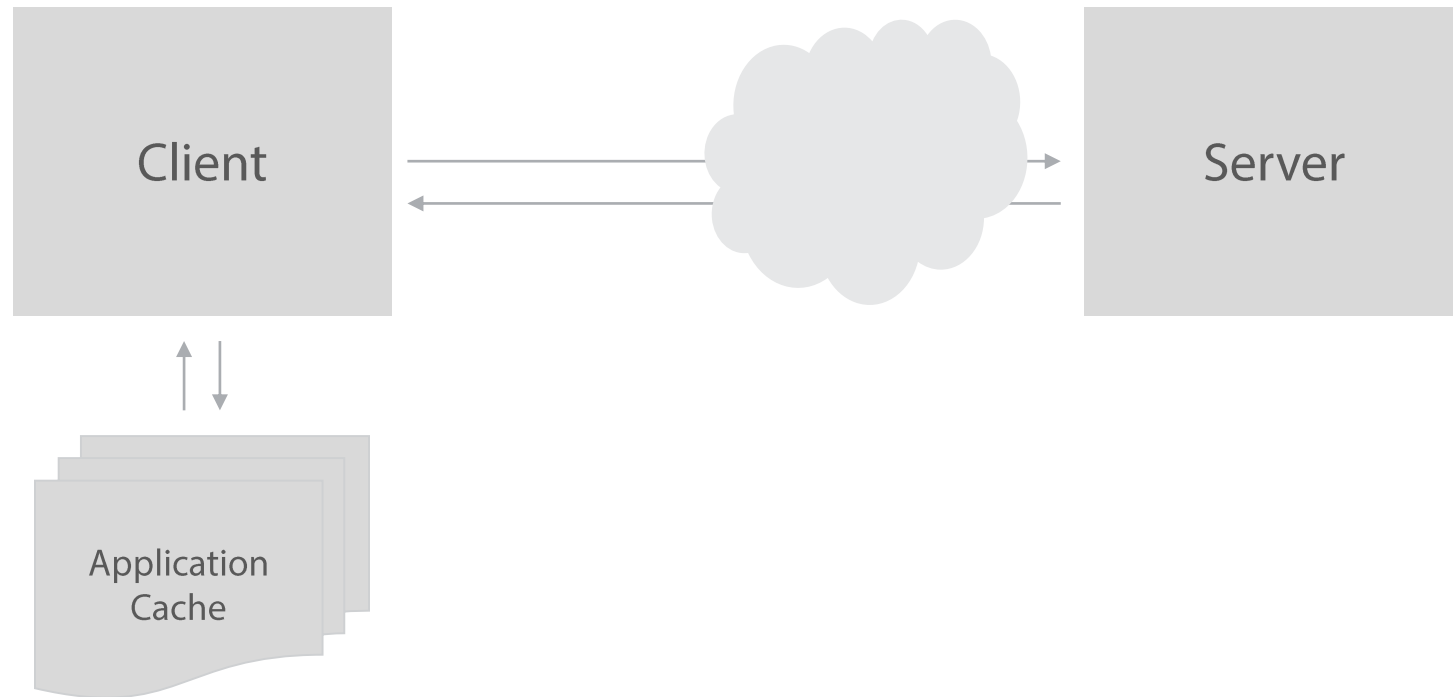


Client



Server





[About](#)[News](#)

August 12, 2014 - New official browser status info + 3 new features added

[Compare browsers](#)[Index](#)[AdChoices](#)[HTML5 and CSS](#)[HTML5](#)[Android Download](#)[HTML5 on Android](#)Can I use **application cache** ? [Settings](#)

1 result found

Offline web applications 📄 - WD

Global

82.9% + 0.06% = 82.97%

Method of defining web page files to be cached using a cache manifest file, allowing them to work offline on subsequent visits to the page

[Current aligned](#)[Usage relative](#)[Show all](#)

IE	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Android Browser	Chrome for Android
		27						
		31					2.3	
8		33					4	
9		34	5.1				4.1	
10	30	35	6.1		6.1		4.3	
11	31	36	7	23	7.1	7	4.4	36
	32	37	8	24	8		4.4.3	
	33	38		25				
	34	39						

[Notes](#)[Known issues \(1\)](#)[Resources \(7\)](#)[Feedback](#)

No notes

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[Notes](#)[Known issues \(1\)](#)[Resources \(7\)](#)[Feedback](#)

No notes

Manifest



HTML5 Advanced Topics

<http://pluralsight.com/courses/html5-advanced>

```
<!DOCTYPE html>  
<html manifest="/manifest">  
...
```



.appcache is a common
manifest file extension

CACHE MANIFEST



Must be served with
content type of:
`text/cache-manifest`

CACHE MANIFEST

CACHE:

/

/content/bootstrap.min.css

/scripts/modernizr-2.6.2.js

/scripts/jquery-1.10.2.min.js

CACHE MANIFEST

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- /content/bootstrap.min.css
- /scripts/modernizr-2.6.2.js
- /scripts/jquery-1.10.2.min.js

NETWORK:

/api

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- /content/bootstrap.min.css
- /scripts/modernizr-2.6.2.js
- /scripts/jquery-1.10.2.min.js

NETWORK:

/api

FALLBACK:

/blog /offline/index.html

CACHE MANIFEST

version 1

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Demo

Application Cache

Summary



Summary

Awareness

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Awareness

Inconsistent Native API

Summary

Awareness

Inconsistent Native API

Offline.js & Simulator

Summary

Awareness

Inconsistent Native API

Offline.js & Simulator

Availability

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Availability

HTML5 Application Cache

Up Next

Create New Application