Ajax design challenges
conceptual metaphor
time
make
take
save
movement
navigate
browse
surf
interaction
create
retrieve
update
delete
Sapir-Whorf hypothesis
It’s really several technologies, each flourishing in its own right, coming together in powerful new ways.

— Jesse James Garrett
If the traditional web was letter writing, Ajax is instant messaging.

— Derek Powazek
Roller skates for the web.

— Bruce Sterling
The name is shorthand for Asynchronous JavaScript + XML.

—Jesse James Garrett
Asynchronous JavaScript
And XML
Asynchronous JavaScript
And XML

HTML
JSON
Asynchronous JavaScript and XML DOM Scripting
Asynchronous JavaScript And XML
Communicating with the server without refreshing the whole page.

— Me
Microsoft  IE5
Mozilla  Safari  Opera
W3C
XMLHttpRequest
synchronous
asynchronous

XMLHttpRequest
thin client

browser          «      »          server
display                  storage
processing
rich client

browser « »XHR« » server

display processing

storage
APPEND
deceptively rich client

browser « »XHR« » server

display

storage

processing
progressive enhancement
This is the introduction

This is the introduction

This is the introduction

This is the introduction

This is the introduction

This is the introduction
window.onload = function() {
    // get links with class help
    // loop through each one
    link.onclick = function() {
        window.open(this.href);
        return false;
    };
};
beware
progressive enhancement

XMLHttpRequest
XHR

browser

navigation
search
main content
log on form
shopping cart
footer
paradox?

plan for Ajax from the start
implement Ajax at the end
pattern recognition

sign up
rate this
search results?
pagination?
add to cart
add a comment
documents

applications
WTF?
what is happening?
what just happened?
conventions
status indicators
yellow fade
drag’n’drop
PEDESTRIANS

YOUR RED/GREEN MAN SIGNAL IS ON THE POLE NEXT TO YOU
beyond the browser
the back button
bookmarking
libraries & frameworks
Software, like all technologies, is inherently political. Code inevitably reflects the choices, biases and desires of its creators.

— Jamais Cascio
Find stuff and do stuff to it.

— jQuery
rich internet applications
rich writing typography punctuation
thank you

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http://flickr.com/photos/bizzygirl/291918549/
http://flickr.com/photos/benchan/150094224/
http://flickr.com/photos/rogerjones/121736518/
http://flickr.com/photos/chuckbiscuito/161971512/