Bespin

@joewalker

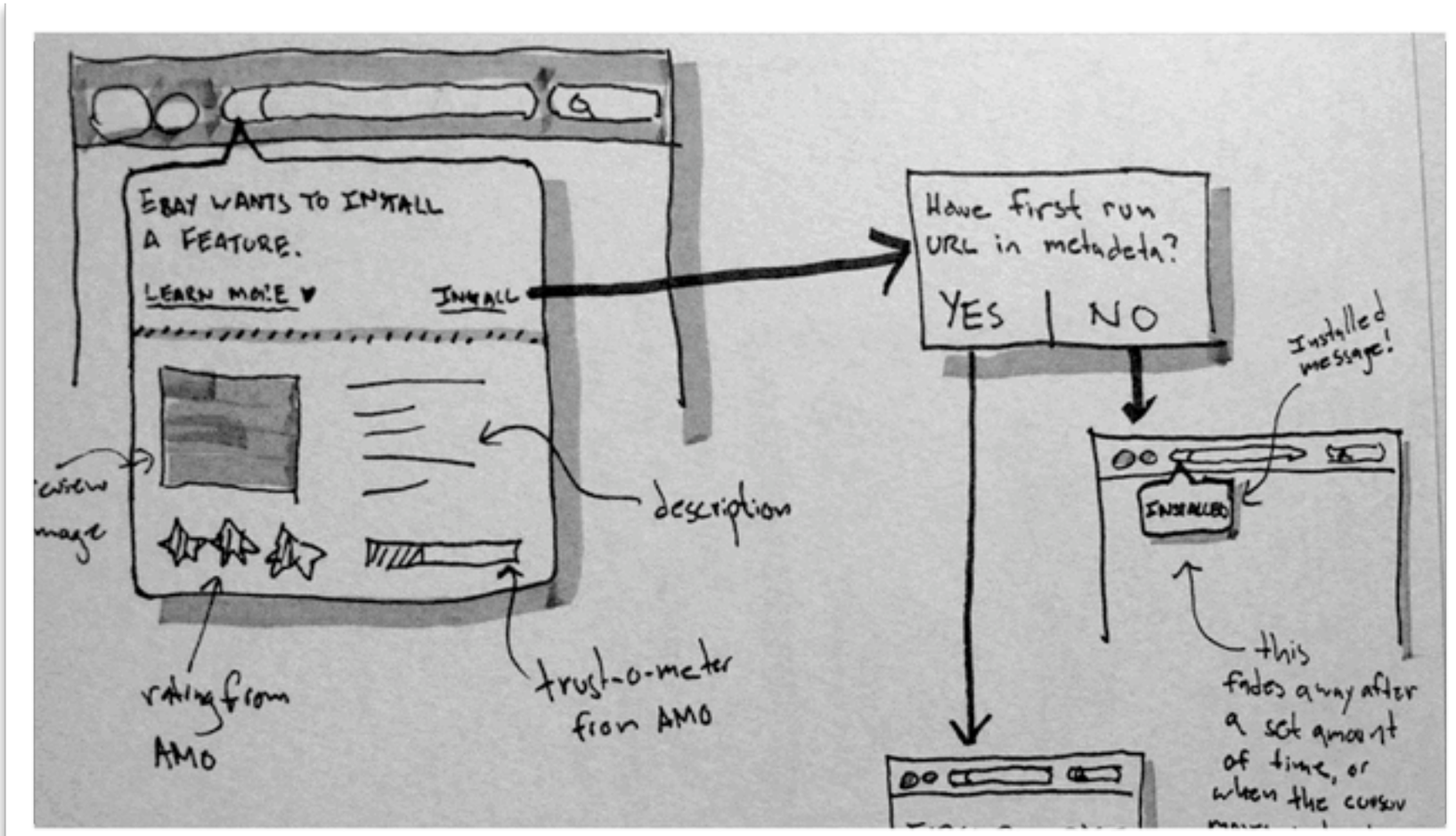
http://bespin.mozilla.com

mozilla LABS

http://www.flickr.com/photos/commorancy/1615805515

USER INTERFACE

Concept Series

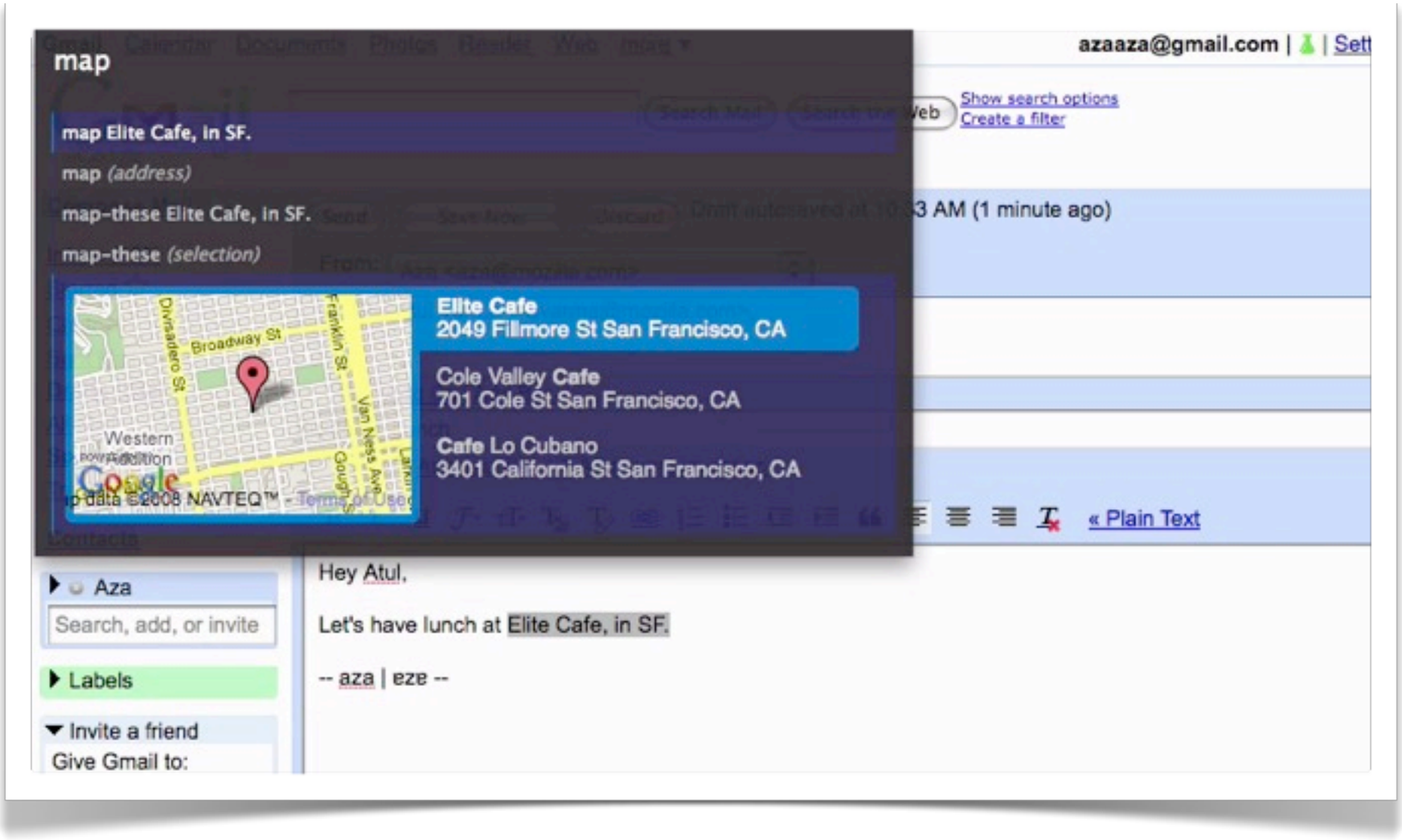


USER INTERFACE

Personas

USER INTERFACE

Ubiquity



SERVICES

Weave

stackoverflow

Log in with OpenID

You're currently an **anonymous** user. Just browsing around? That's totally cool with us.

If you'd like to register, or if you've already registered, enter your OpenID:

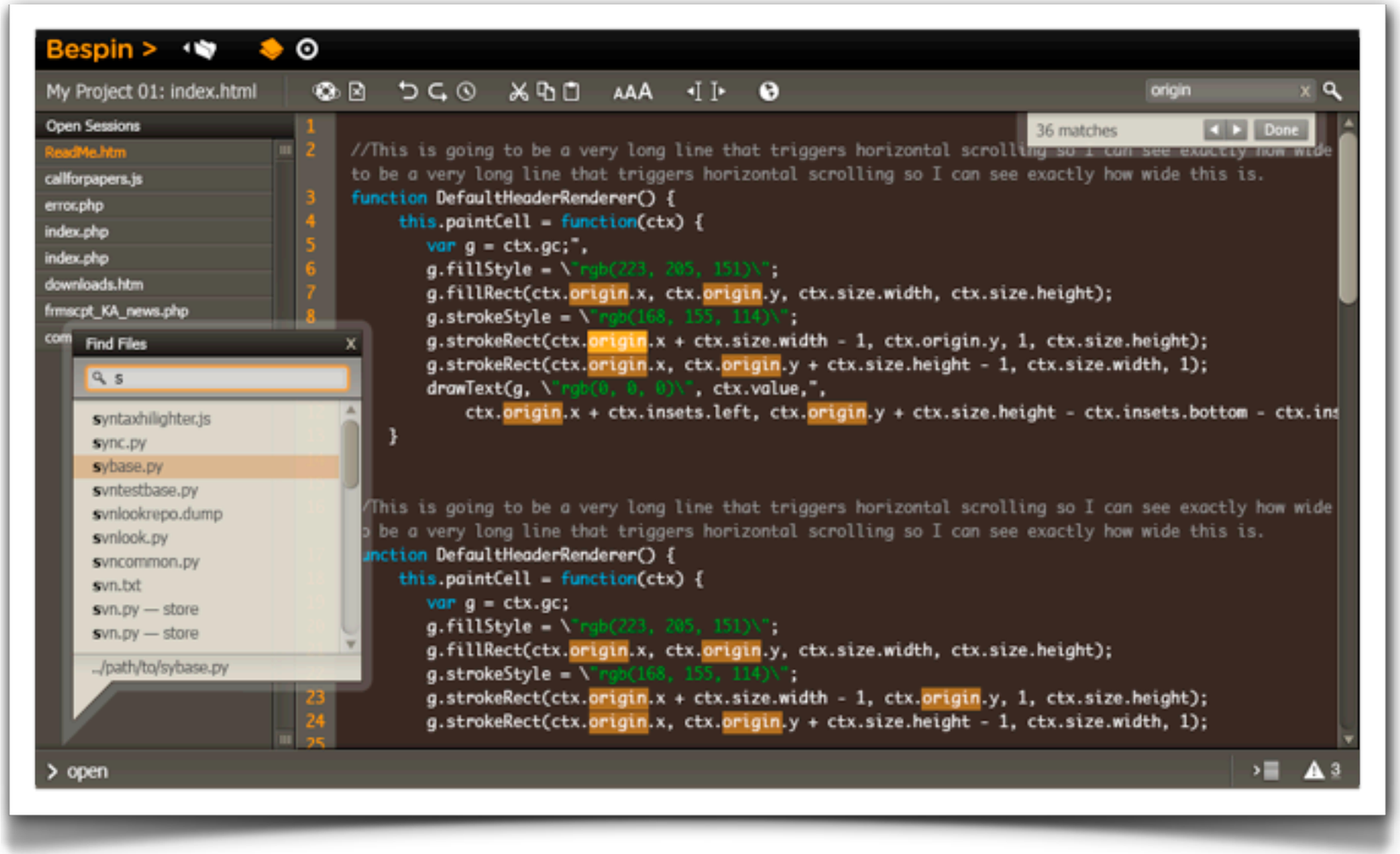
Sign In Using Weave (?)

Alternately, click your account provider:

OpenID Google YAHOO! AOL

DEVELOPER TOOLS

Bespin



vi?

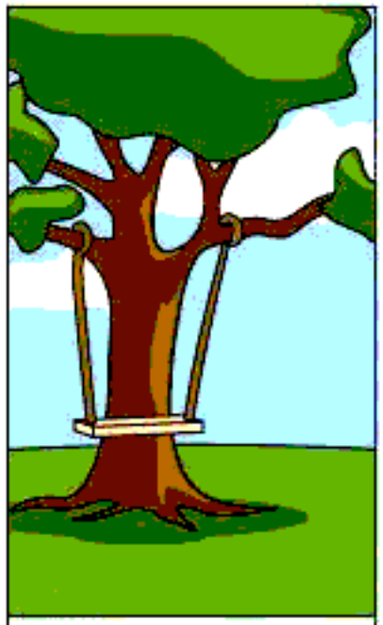
emacs?

textmate?

intellij?

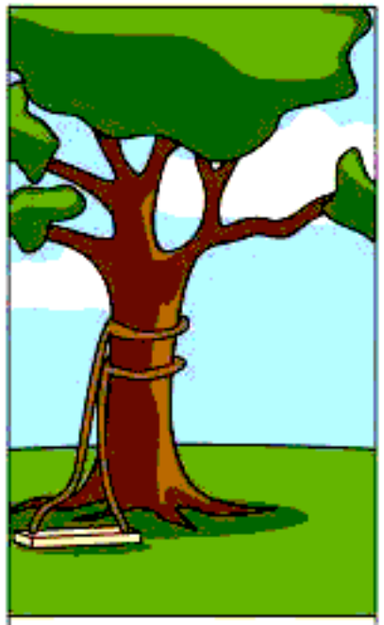
eclipse?

How the customer explained it



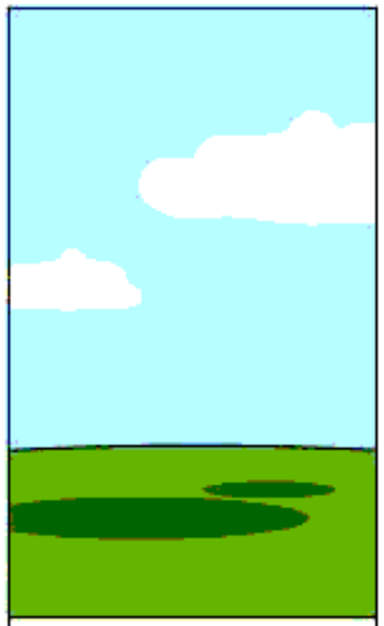
How the Project Leader understood it

How the Analyst designed it

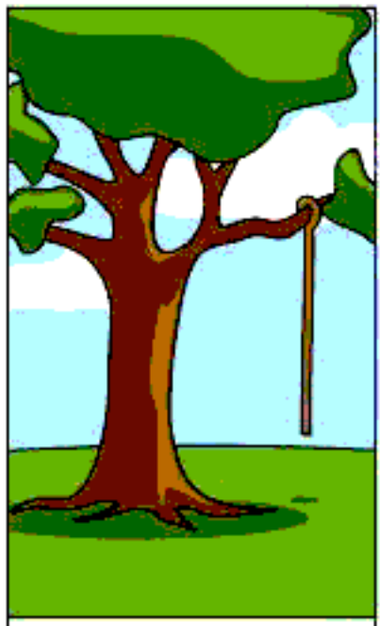


How the Programmer wrote it

How the Business Consultant described it

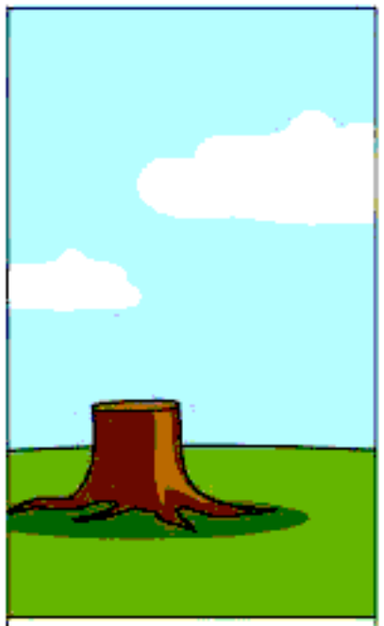


How the project was documented



What operations installed

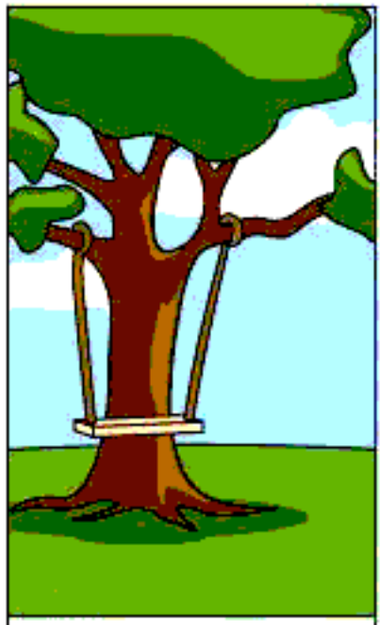
How the customer was billed



How it was supported

What the customer really needed

How the customer explained it



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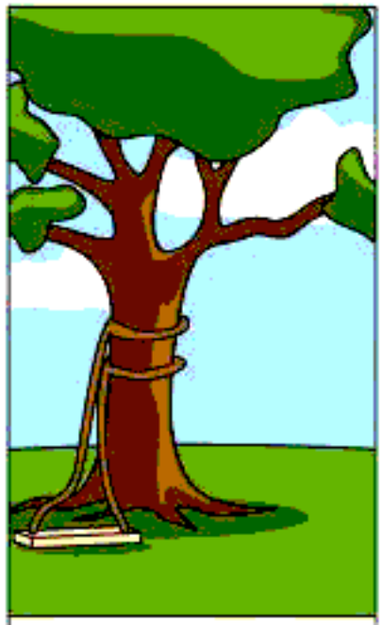

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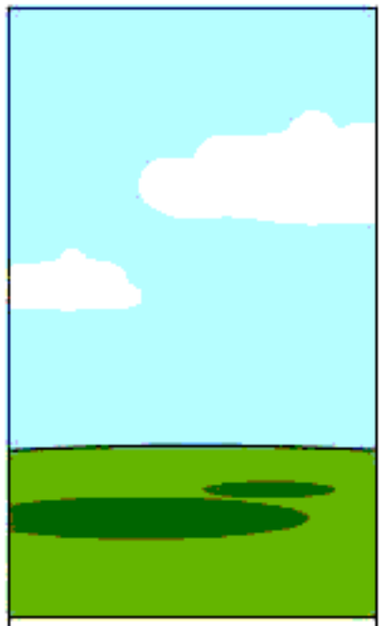

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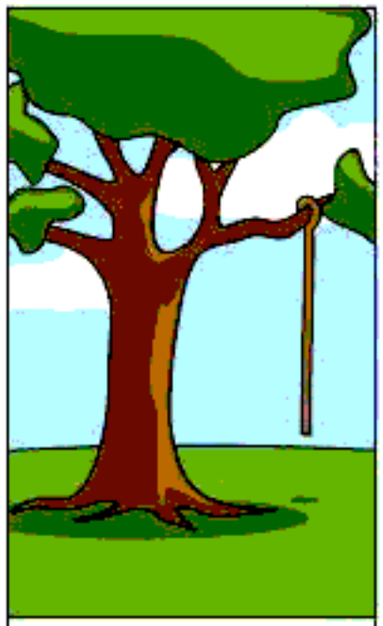

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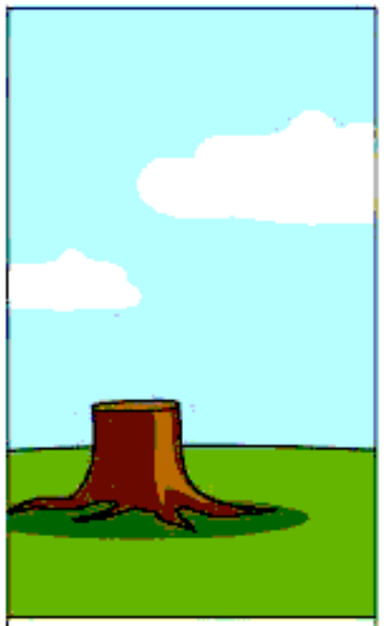

How it was supported

What the customer really needed

We have strong opinions about our tools because we know what they should be doing for us

So we want an editor that ...

So we want an editor that ...

Is accessible from anywhere

From home to work to phone

So we want an editor that ...

Is accessible from anywhere

From home to work to phone

Is as simple to use as Textmate

Listen to users, but find the best way to do things

So we want an editor that ...

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Listen to users, but find the best way to do things

Is fast even though it is on the Web
Performance, performance, performance

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Collaborates like SubEthaEdit
It just does what you expect

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Has a command line like Vi
Quicksilver for code

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Is fast even though it is on the Web
Performance, performance, performance

Collaborates like SubEthaEdit
It just does what you expect

Has a command line like Vi
Quicksilver for code

Is self-hosted like Emacs
But using JavaScript, our platform

Bespin >

Version tip "DEVELOPMENT MODE"

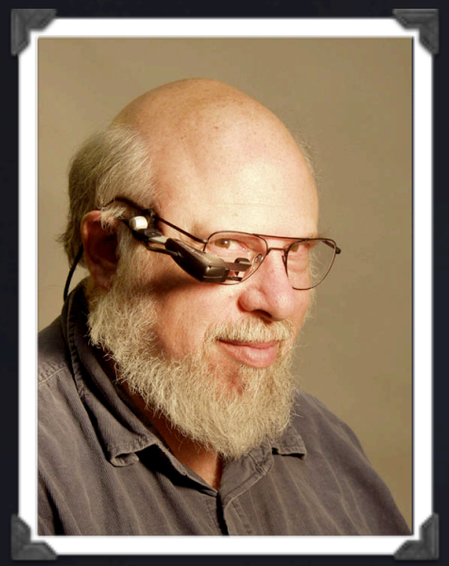
SampleProject : example.js

AAA

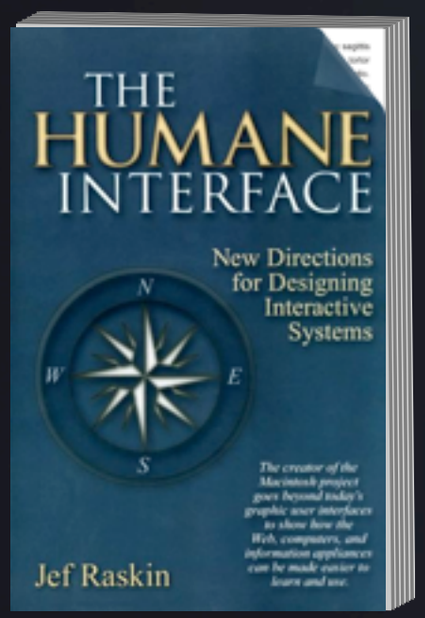
```
1  /*
2   * This sample code
3   * is really lame
4   * but we're tired
5   */
6  function welcome() {
7      return "to Bespin";
8  }
```

>

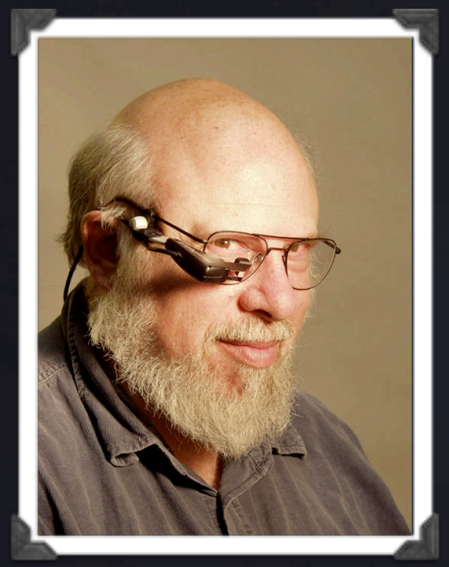
Hint: Try Ctrl-J



Jef Raskin
Usability Expert

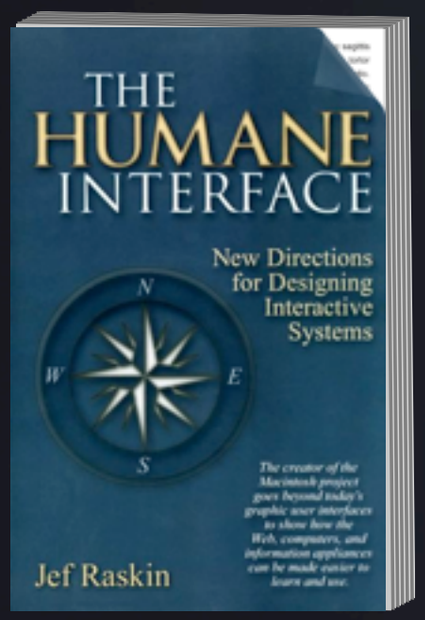


Before *doing user research*, interface designers *should* exploit what is common to all humans with regards to interface design

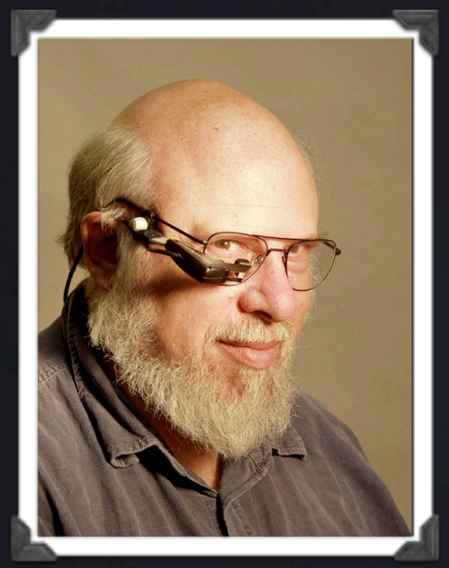


Jef Raskin

Usability Expert



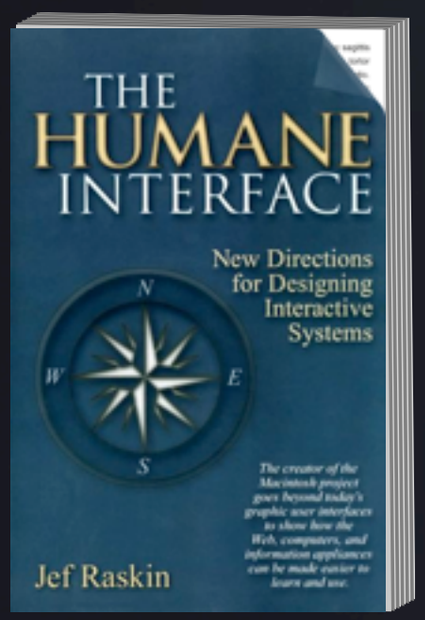
Universal psychological facts

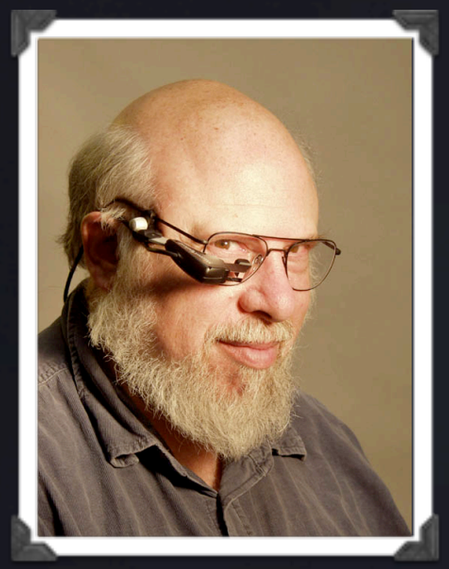


Jef Raskin

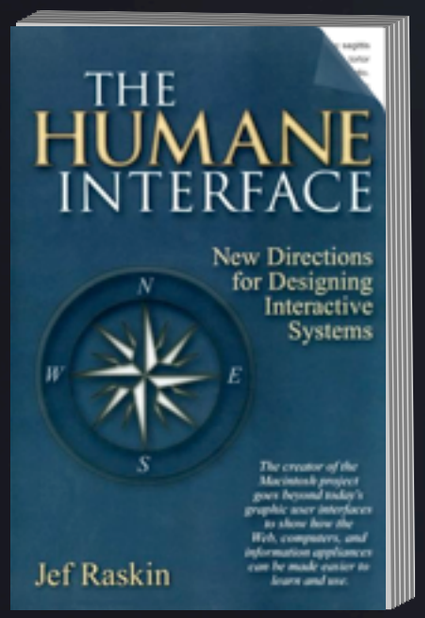
Usability Expert

The quality of any *software* is ultimately determined by the quality of the interaction between one human and one system

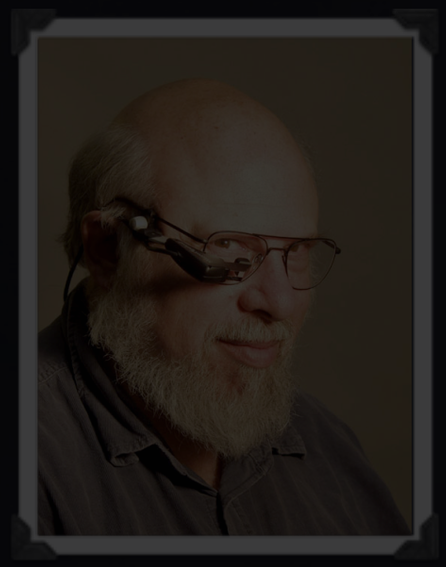




Jef Raskin
Usability Expert



If a system's one-on-one interaction with its human user is not pleasant and facile, the resulting deficiency will poison the performance of the entire system, however fine that system might be in its other aspects



Jef Raskin

Usability Expert

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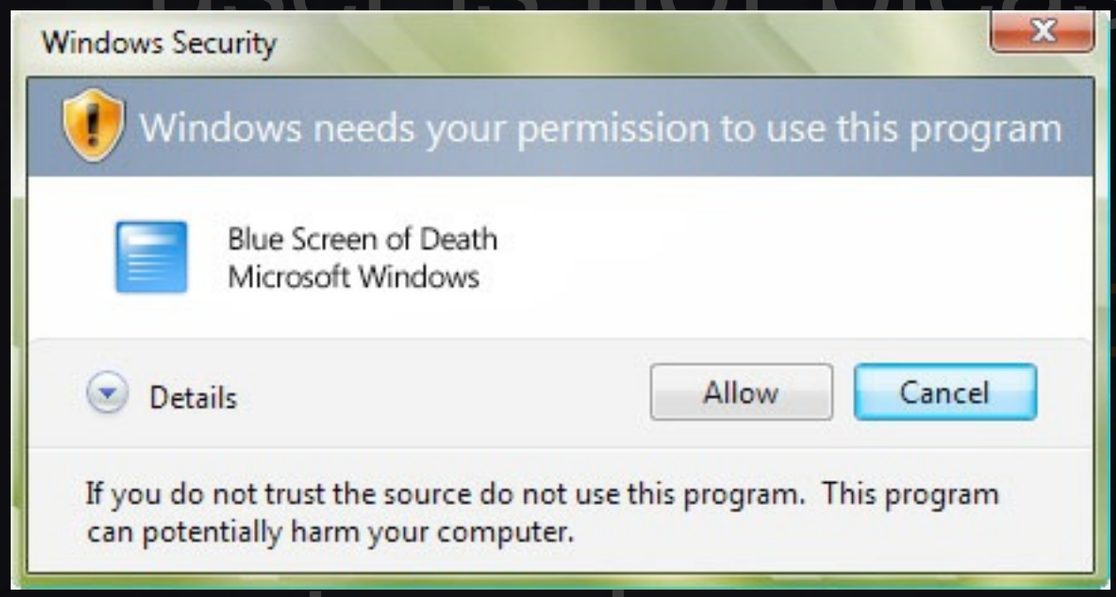
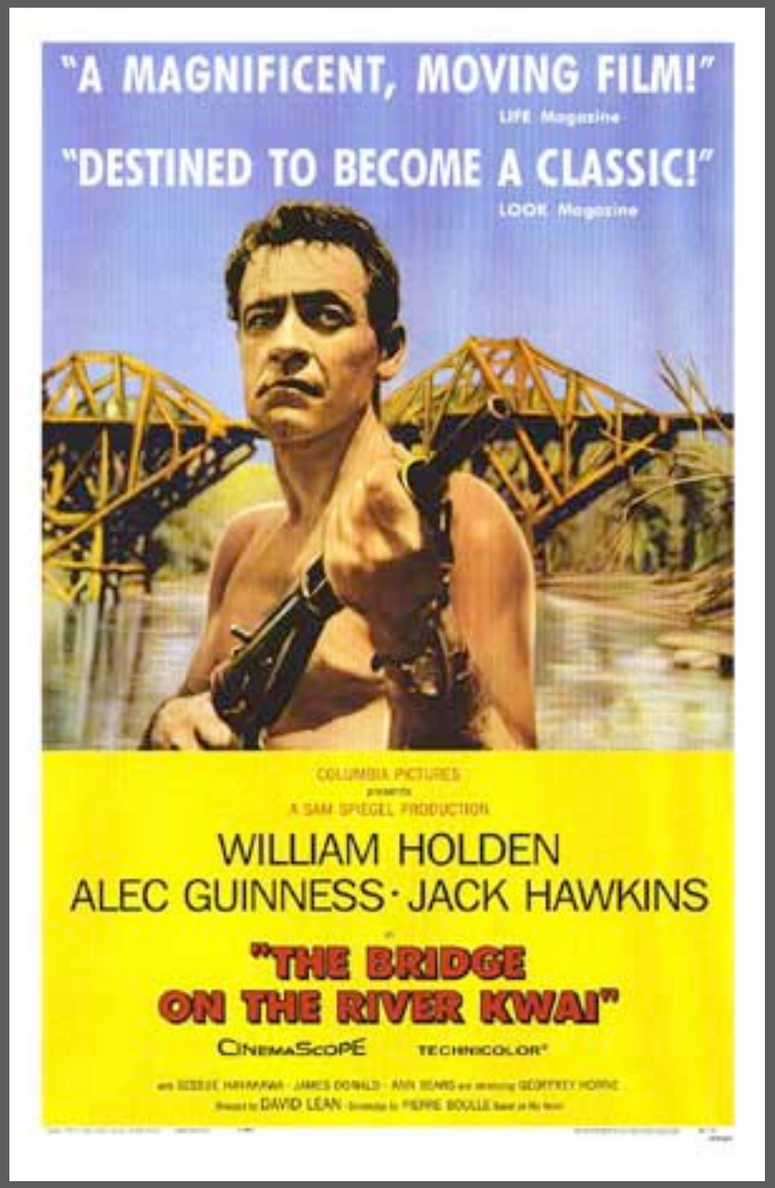


Donald Norman

Usability Expert

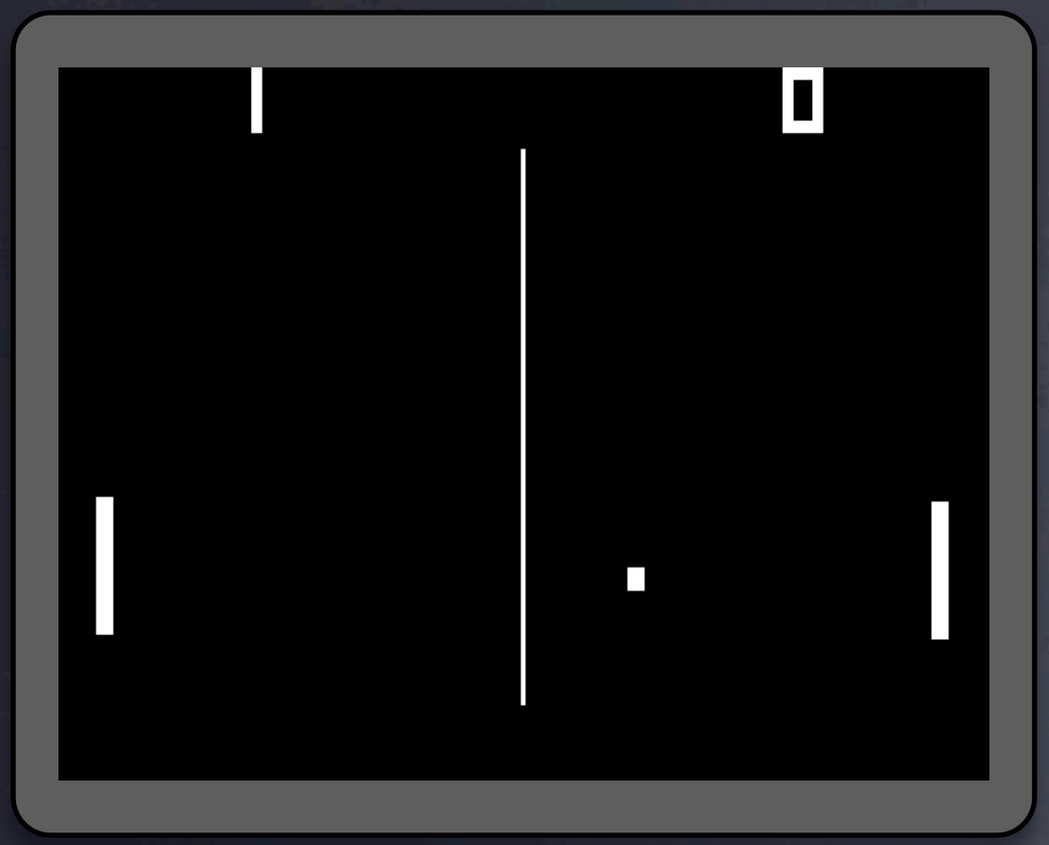
Attractive things work better

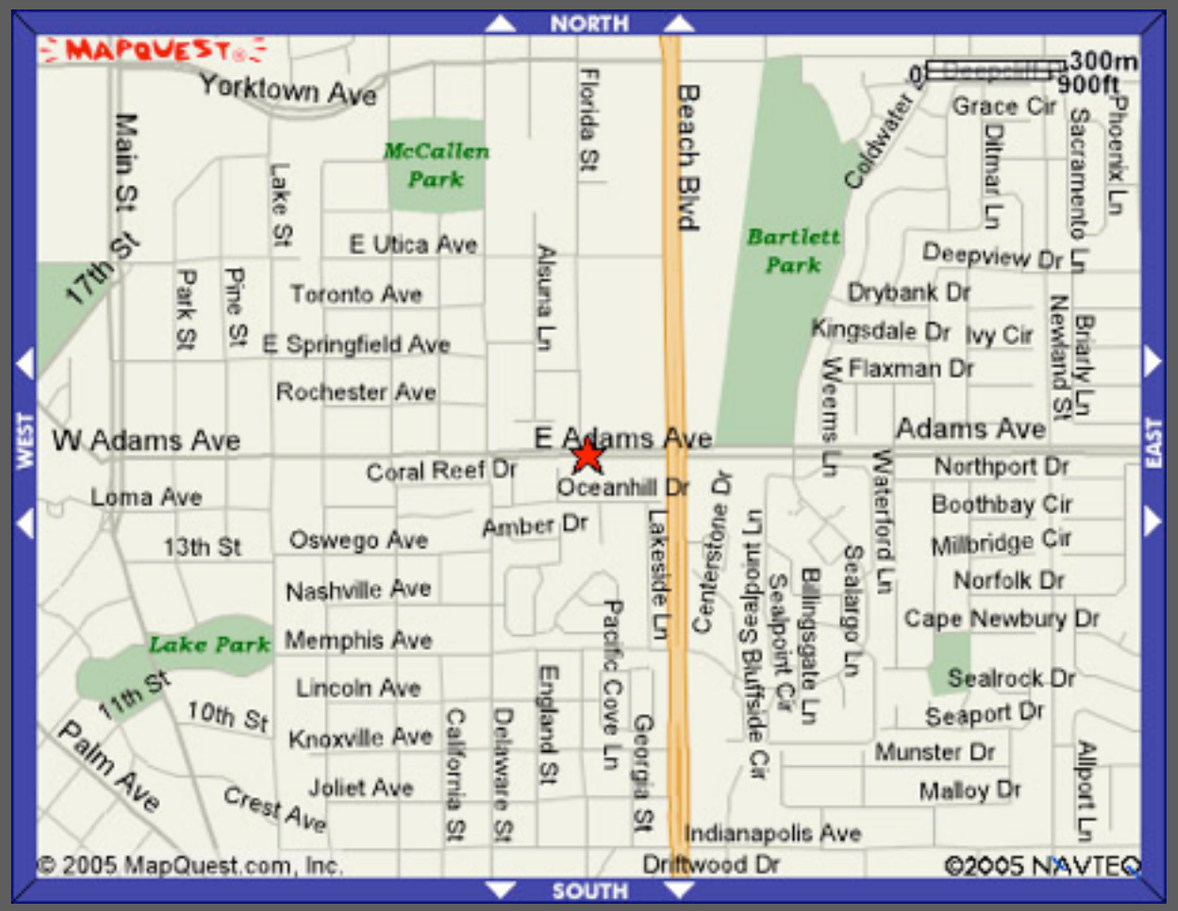

"A MAGNIFICENT, MOVING FILM!"
LIFE Magazine
"DESTINED TO BECOME A CLASSIC!"
LOOK Magazine
COLUMBIA PICTURES
presents
A SAM SPIEGEL PRODUCTION
WILLIAM HOLDEN
ALEC GUINNESS · JACK HAWKINS
in
"THE BRIDGE ON THE RIVER KWAI"
CINEMASCOPE
TECHNICOLOR®
DAVID LEAN
PIERRE BOULLE

1957

THE GREATEST BATTLE LIES WITHIN.

2007




MAPQUEST
NORTH
WEST
EAST
SOUTH
300m
900ft
Yorktown Ave
McCallen Park
Florida St
Beach Blvd
Coldwater Dr
Grace Cir
Ditmar Ln
Sacramento Ln
Phoenix Ln
Main St
17th St
Lake St
E Utica Ave
Bartlett Park
Deepview Dr
Drybank Dr
Kingsdale Dr
Ivy Cir
Newland St
Briarly Ln
Park St
Pine St
Toronto Ave
E Springfield Ave
Alsuna Ln
Flaxman Dr
Weems Ln
Rochester Ave
W Adams Ave
E Adams Ave
Adams Ave
Coral Reef Dr
Oceanhill Dr
Northport Dr
Loma Ave
Amber Dr
Boothbay Cir
13th St
Oswego Ave
Lakeside Ln
Centerstone Dr
Waterford Ln
Millbridge Cir
Nashville Ave
Seapoint Ln
Billingsgate Ln
Sealargo Ln
Norfolk Dr
Lake Park
Memphis Ave
Pacific Cove Ln
Seapoint Cir
Bluffside Cir
Cape Newbury Dr
Sealrock Dr
11th St
Lincoln Ave
England St
10th St
Knoxville Ave
California St
Delaware St
Georgia St
Seaport Dr
Palm Ave
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Allport Ln
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Driftwood Dr
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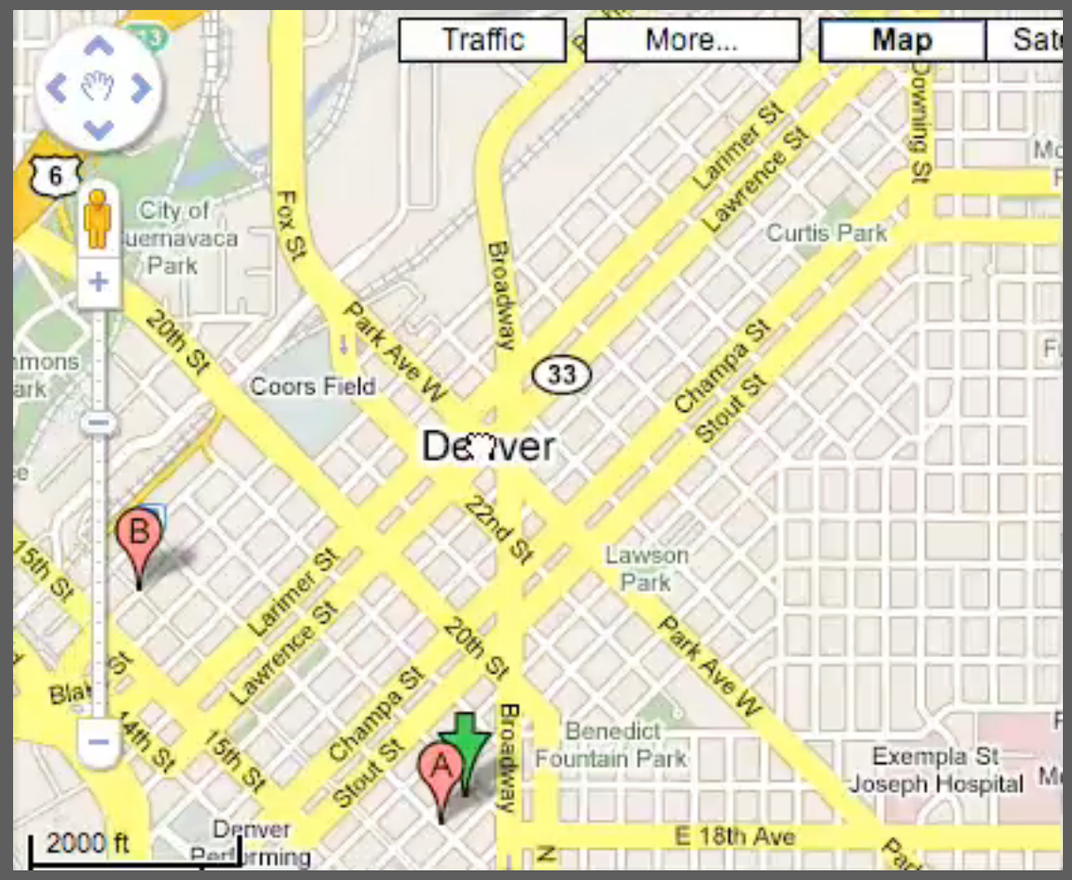
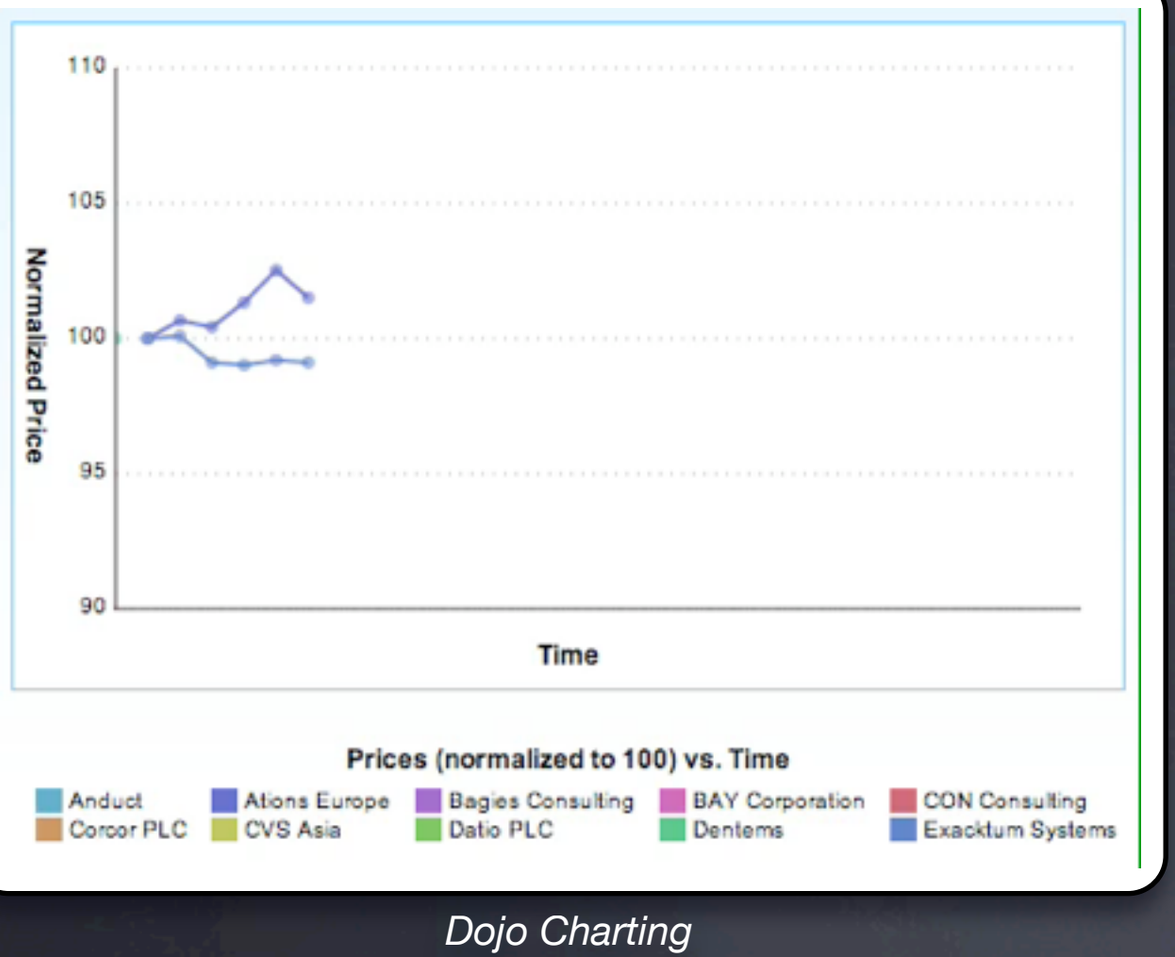
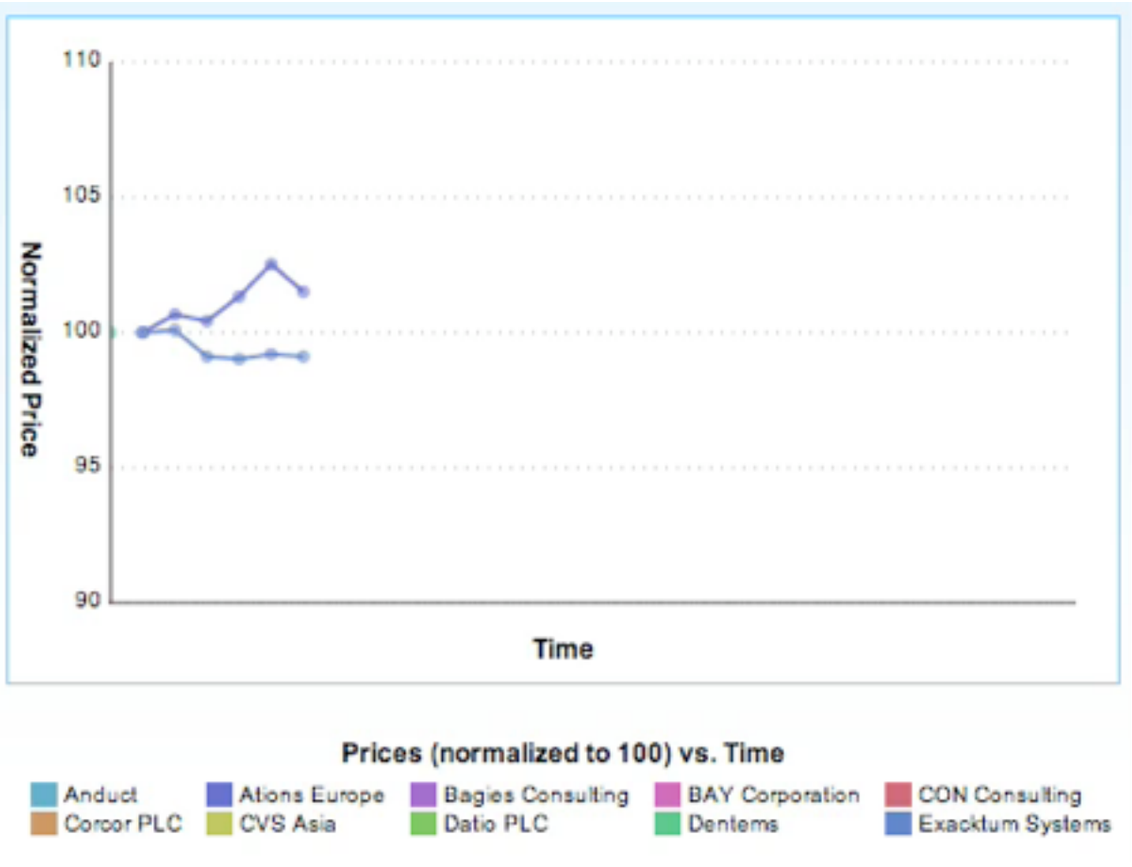

Traffic
More...
Map
6
City of
Fox St
Park Ave W
Broadway
Larimer St
Lawrence St
Downing St
Curtis Park
20th St
Coors Field
33
Champa St
Stout St
Denver
22nd St
Lawson
Park
B
15th St
Larimer St
Lawrence St
20th St
Champa St
Stout St
Broadway
Park Ave W
A
Benedict
Fountain Park
Exempla St
Joseph Hospital
14th St
15th St
2000 ft
E 18th Ave



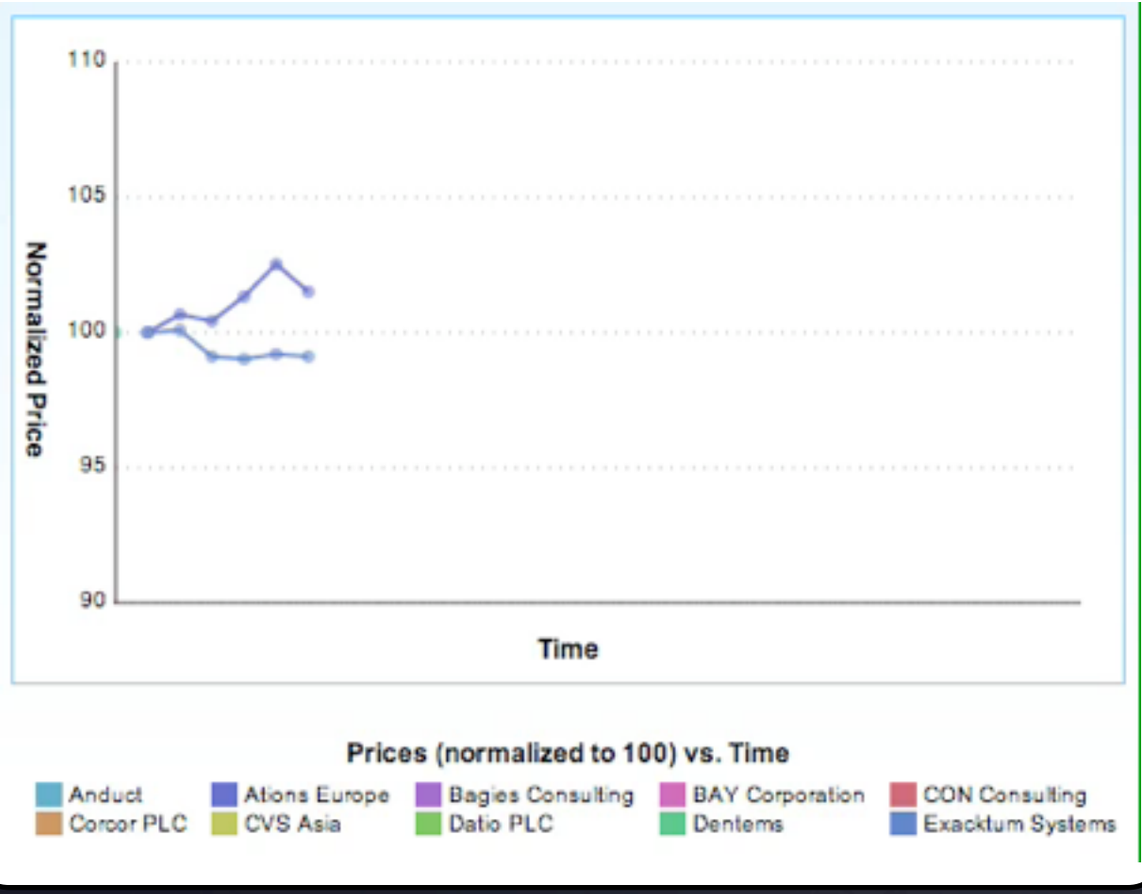
Dojo Charting



Dojo Charting

Namespace	Class
Summary	
dijit	dijit.ColorPalette
Grid showing various colors, so the user can pick a certain color	
dijit	dijit.Declaration
The Declaration widget allows a user to declare new widget classes directly from a snippet of markup.	
dijit	dijit.DialogUnderlay
the thing that grays out the screen behind the dialog Template has two divs; outer div is used for fade-in/fade-out, and also to hold background iframe. Inner div has opacity specified in CSS file.	
dijit	dijit.Dialog
Pops up a modal dialog window, blocking access to the screen and also graying out the screen Dialog is extended from ContentPane so it supports all the same parameters (href, etc.)	
dijit	dijit.TooltipDialog
Pops up a dialog that appears like a Tooltip	
dijit	dijit.Editor
A rich-text Editing widget	

Dojo Grid



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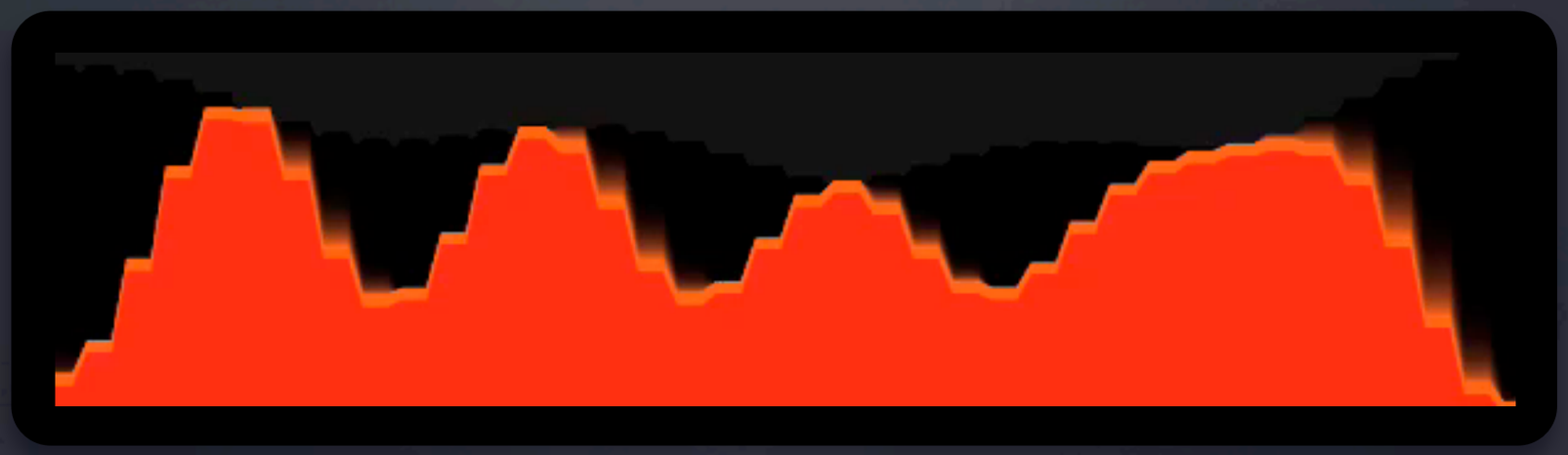


Processing.js

CSS Animations

transition-property - What property should animate, e.g., opacity.
transition-duration - How long the transition should last.
transition-timing-function - The timing function for the transition (e.g., linear vs. ease-in vs. a custom cubic bezier function).
transition - A shorthand for all three properties.

Here is a simple example:

```
div {
  opacity: 1;
  -webkit-transition: opacity 1s linear;
}

div:hover {
  opacity: 0;
}
```

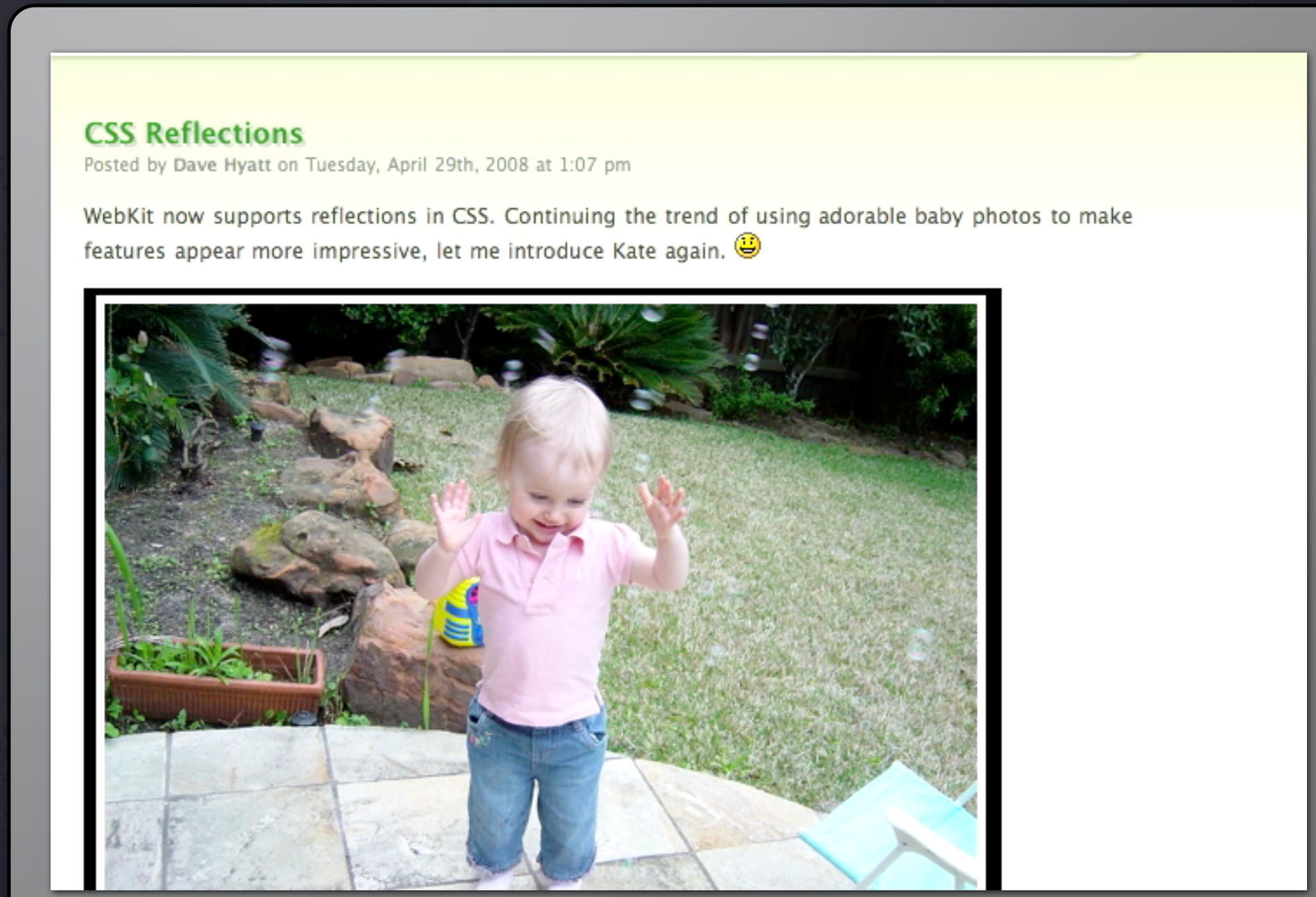
This div will fade out when hovered over. In browsers that do not support this animation, there will be graceful degradation, as the div will simply fade out immediately.

Each of these properties supports a comma separated list of values, like CSS3 multiple backgrounds, which allows different transitions for individual properties to be described in a single style rule. Each value in the list corresponds to the value at that same position in the other properties.

For example:

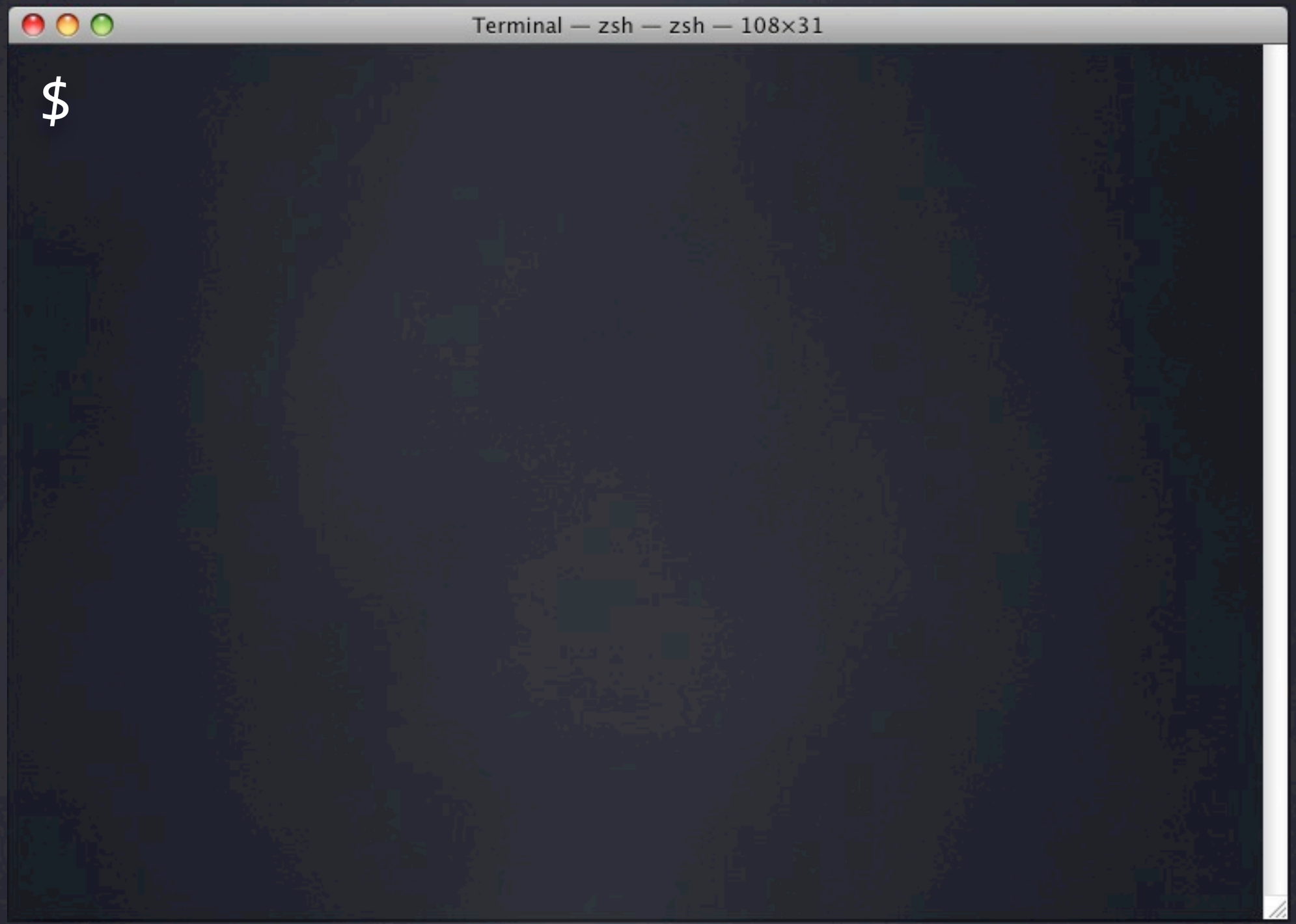
```
div {
  -webkit-transition-property: opacity, left;
```

CSS Reflections and Masks



Unix

Small pieces;
loosely coupled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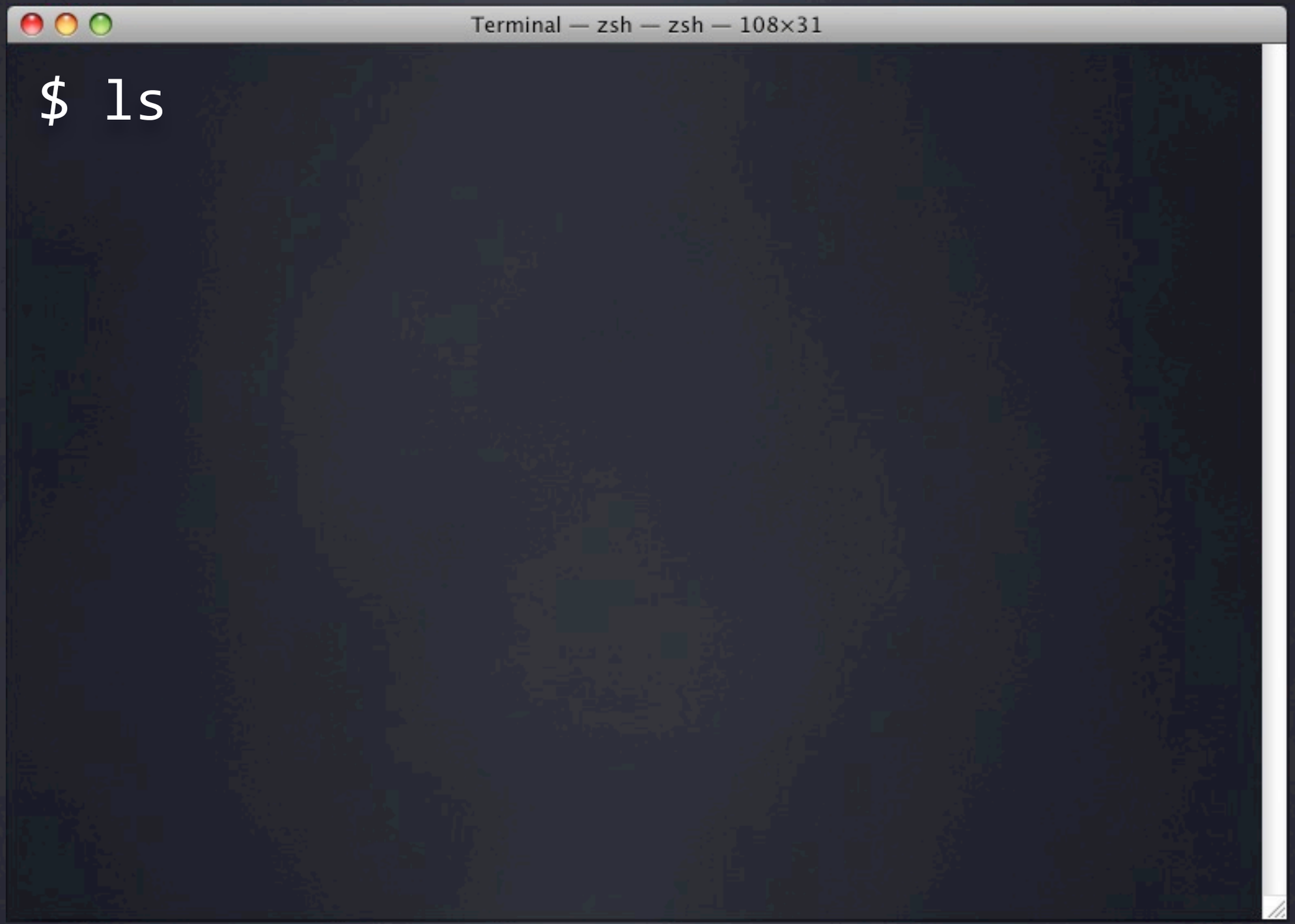
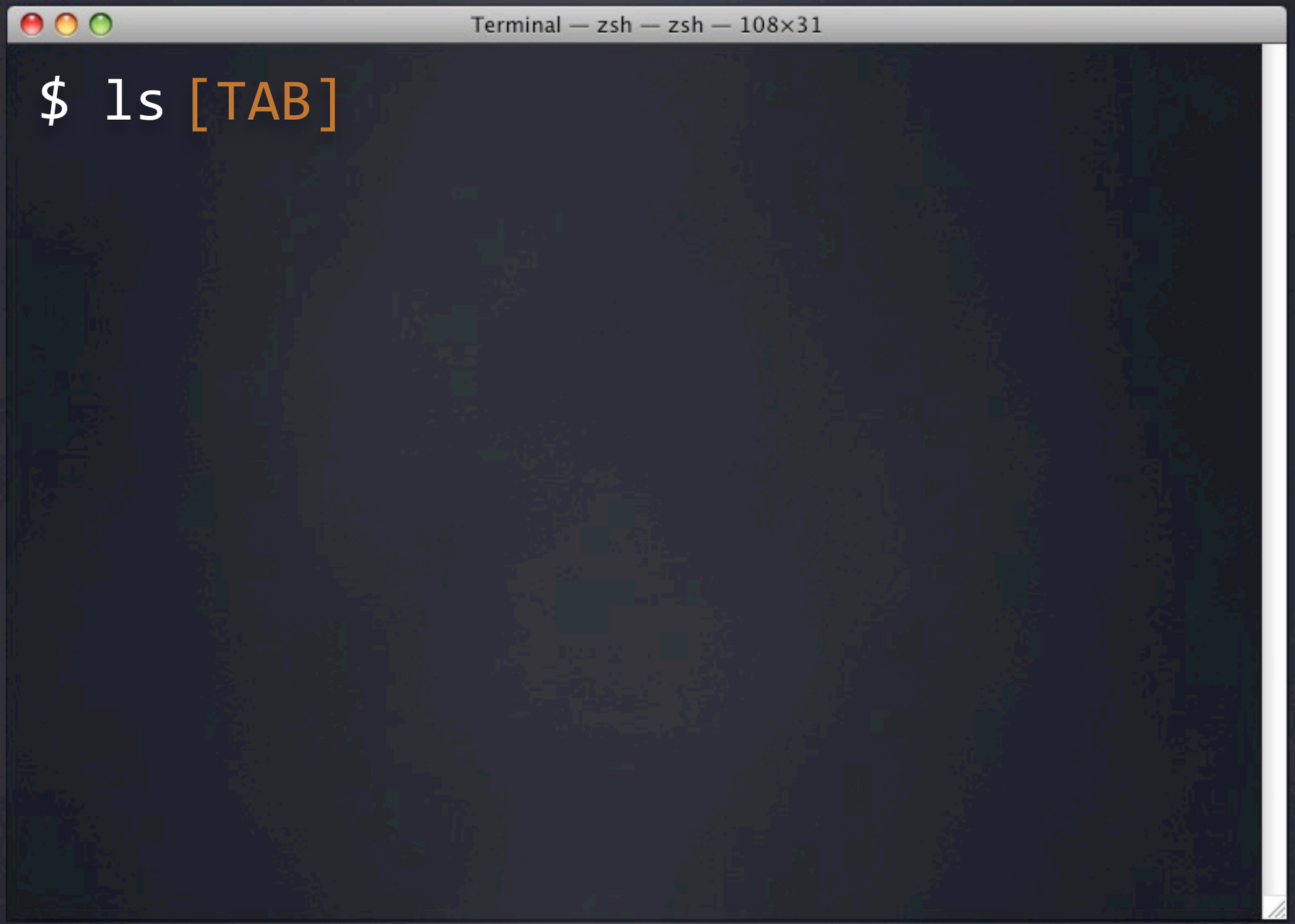
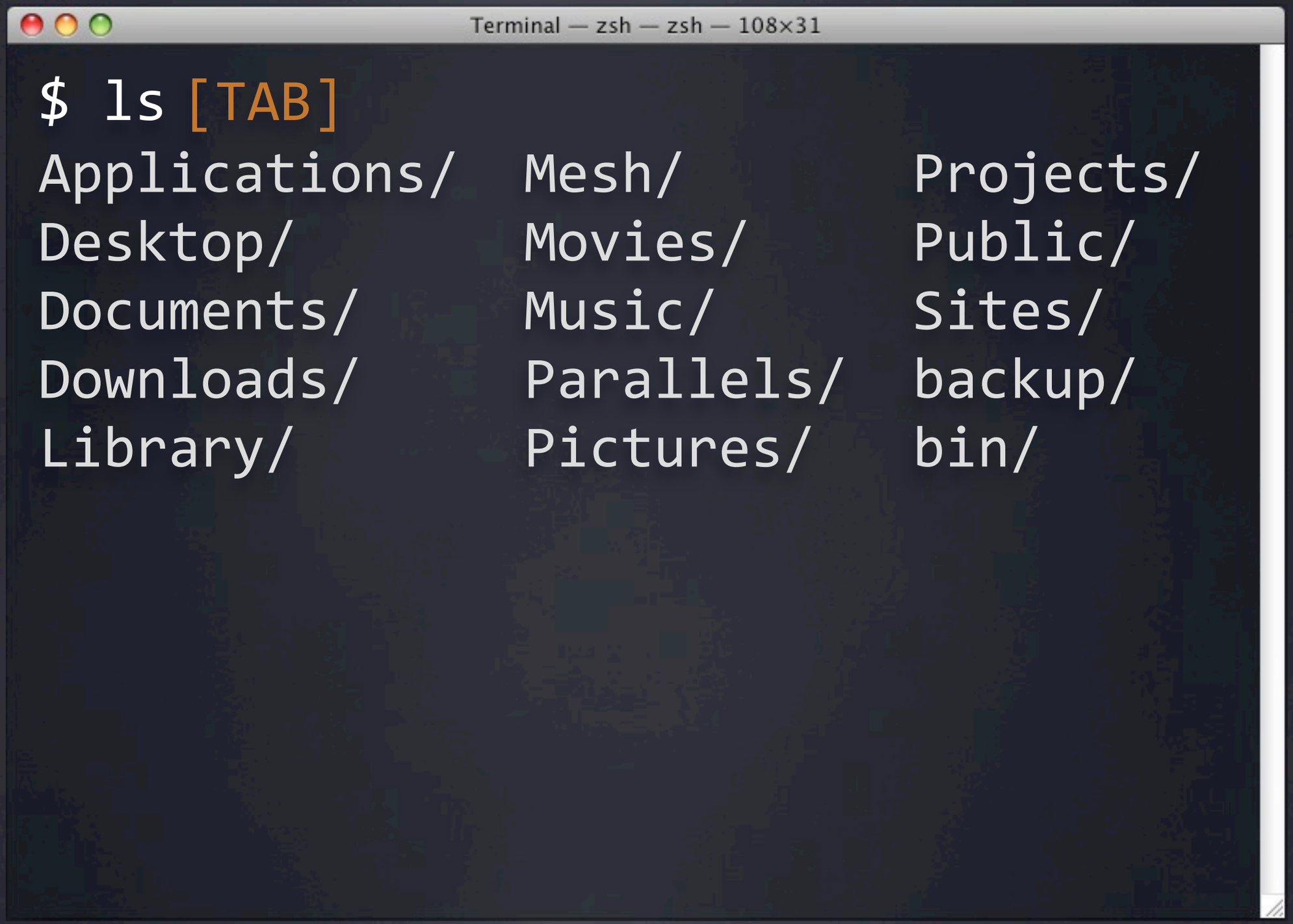
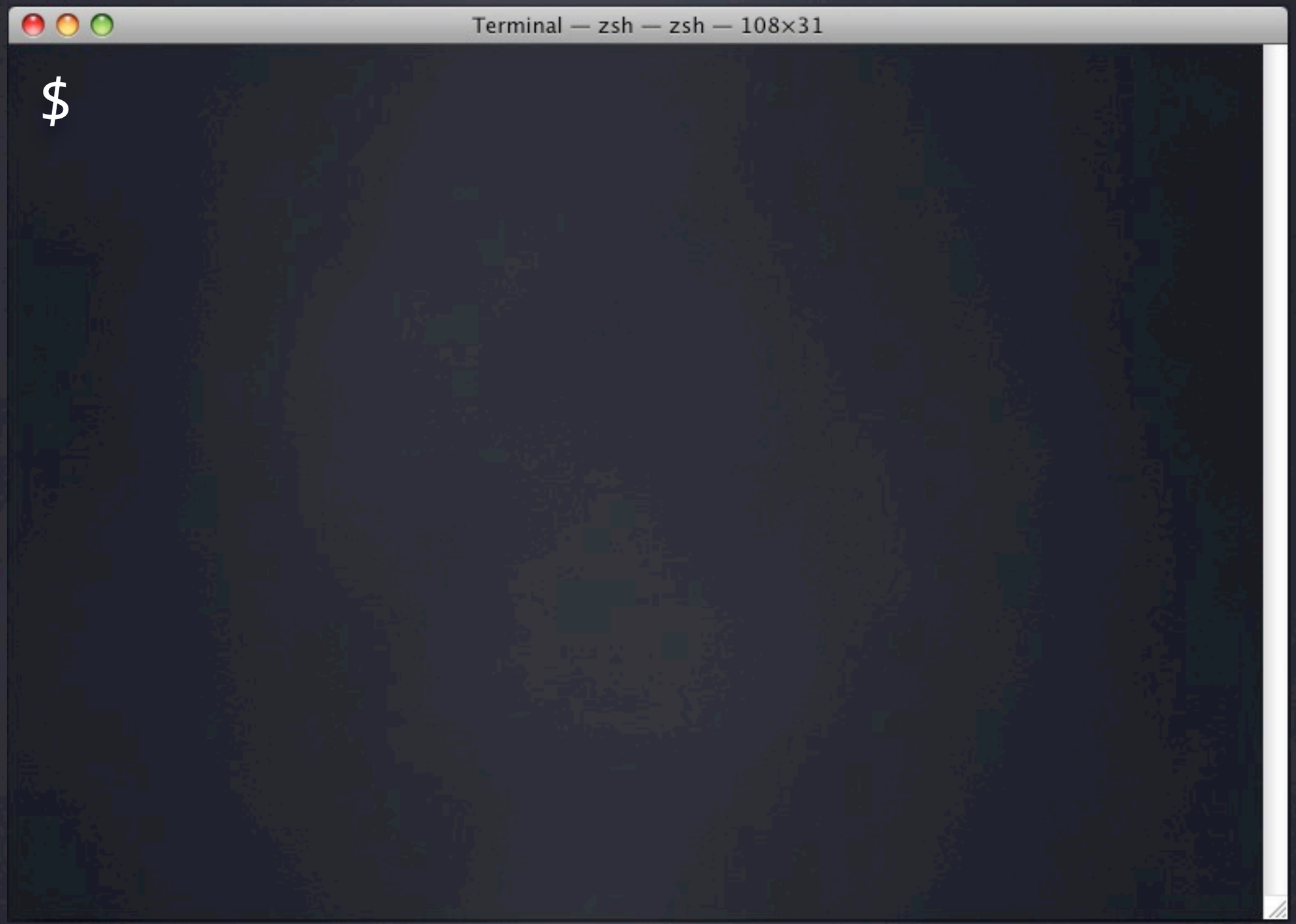
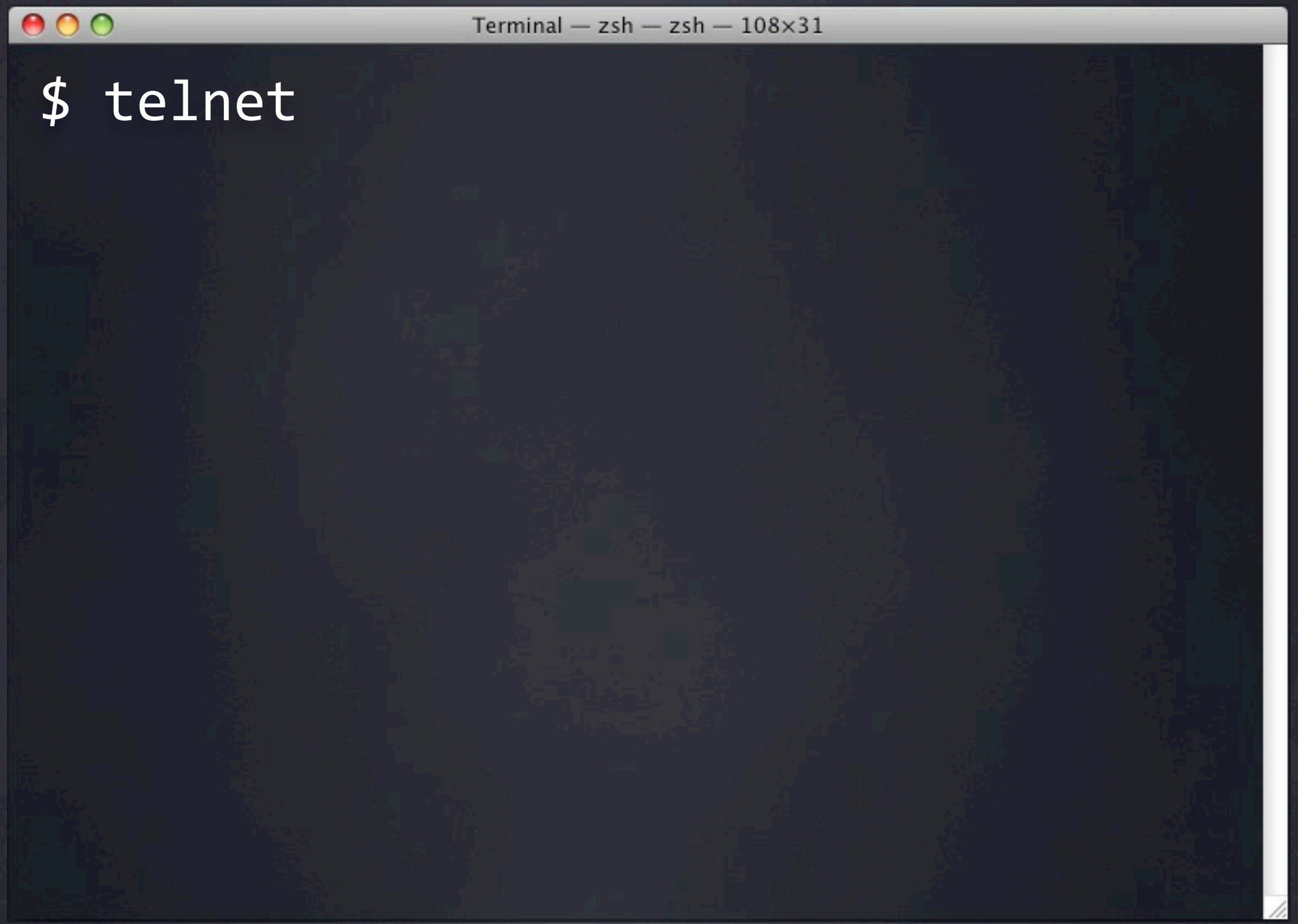
$

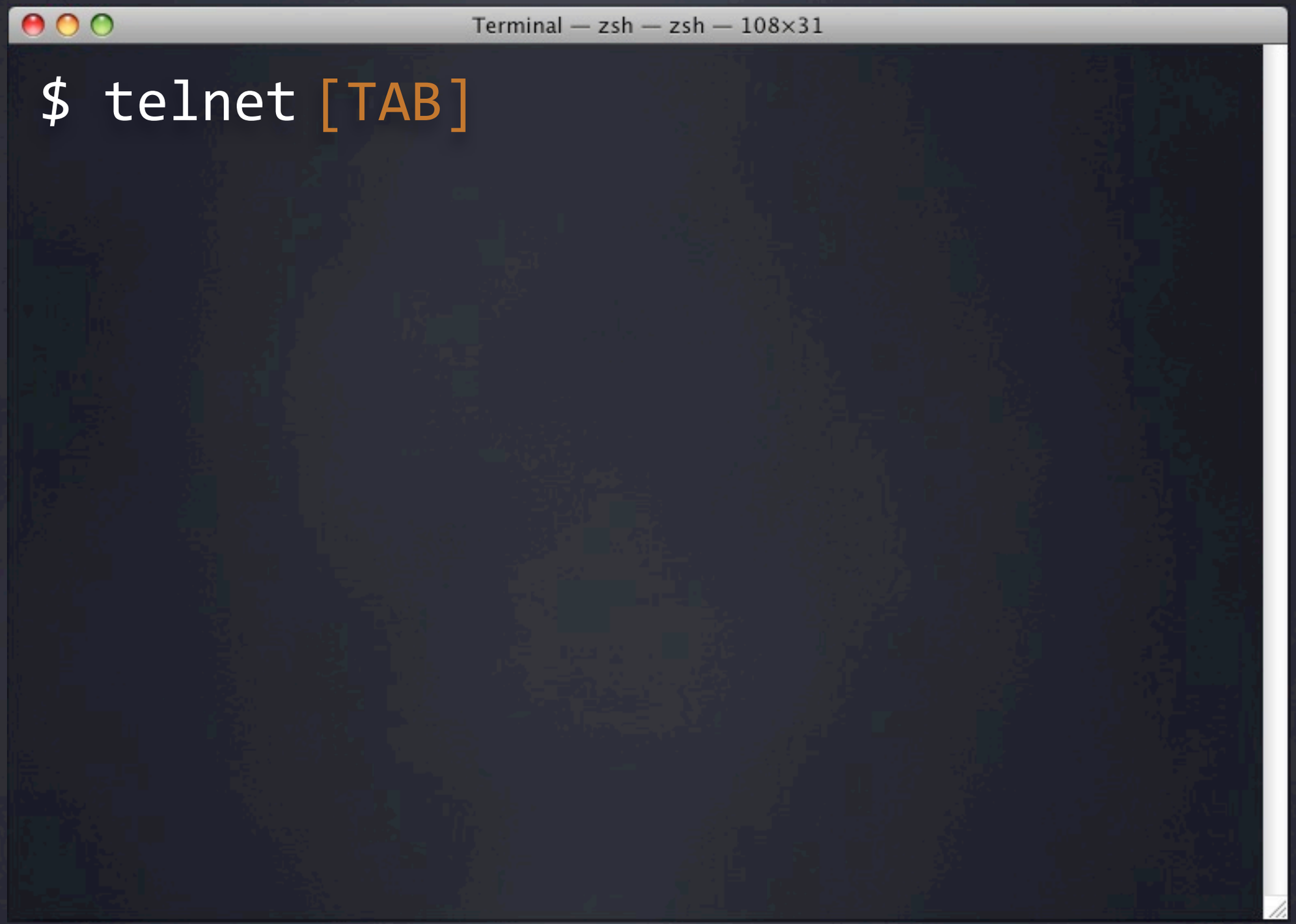

Terminal — zsh — zsh — 108×31
$ ls

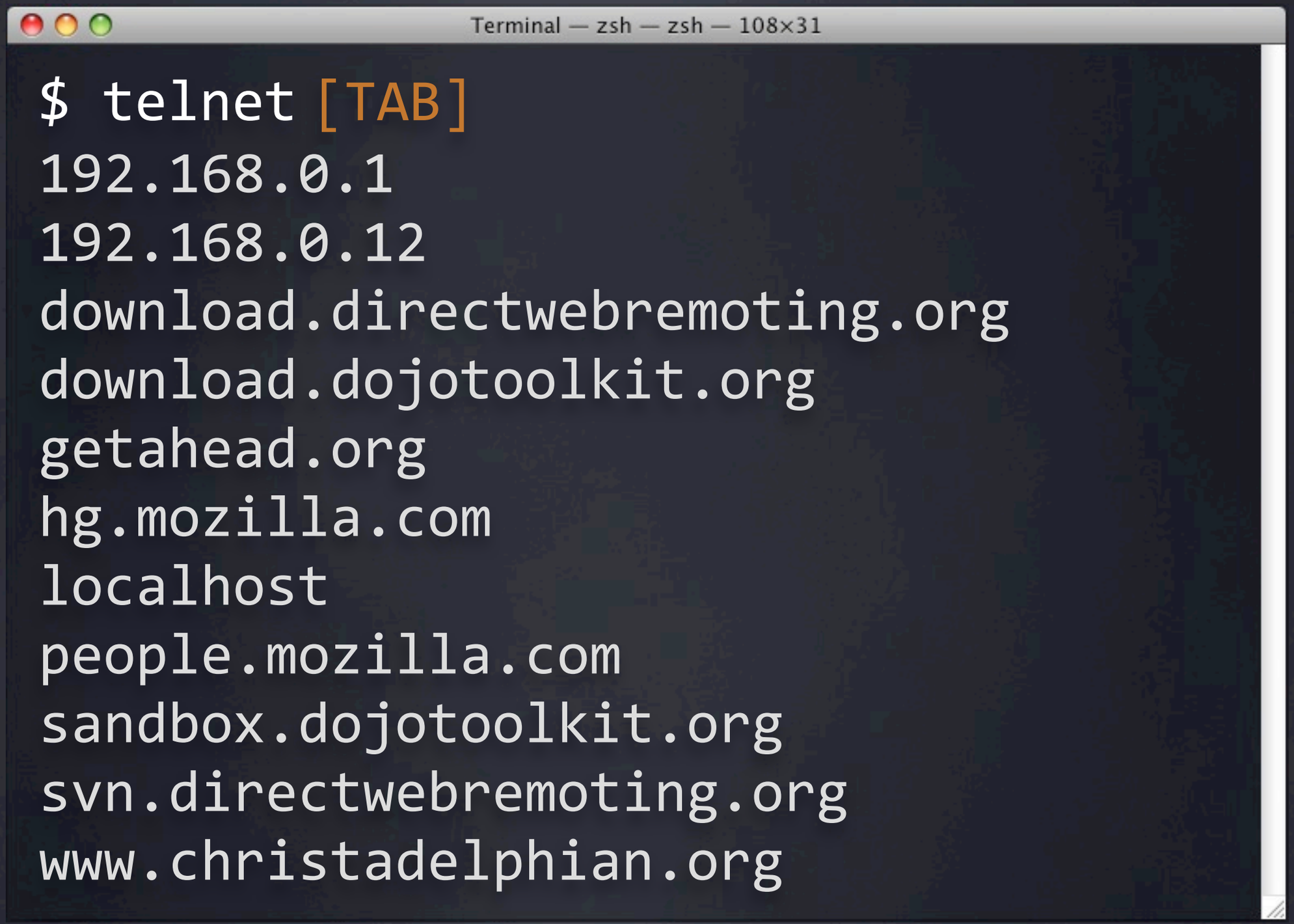

Terminal — zsh — zsh — 108×31
$ ls [TAB]

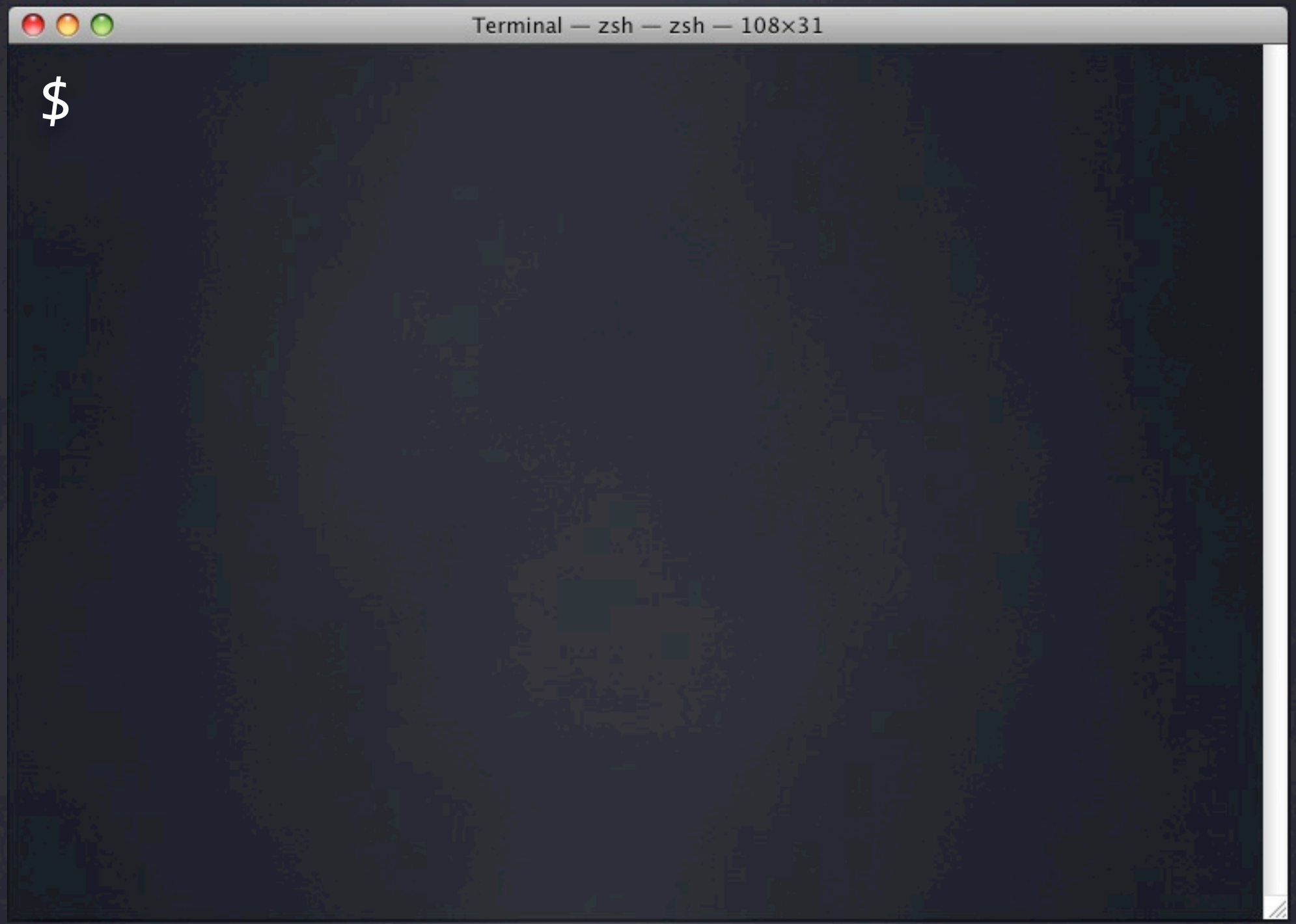

Terminal — zsh — zsh — 108×31
$ ls [TAB]
Applications/ Mesh/ Projects/
Desktop/ Movies/ Public/
Documents/ Music/ Sites/
Downloads/ Parallels/ backup/
Library/ Pictures/ bin/

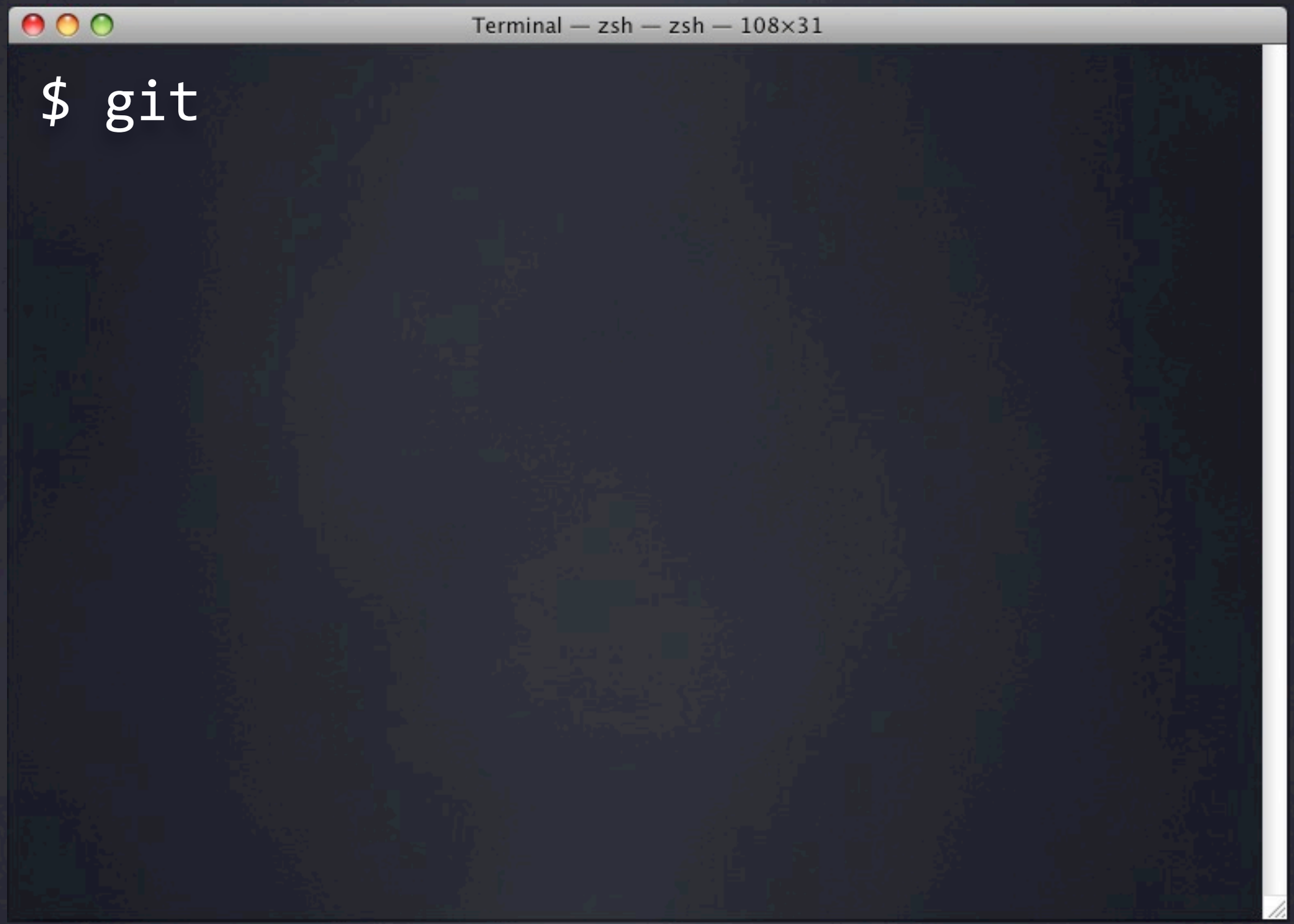

Terminal — zsh — zsh — 108×31
$

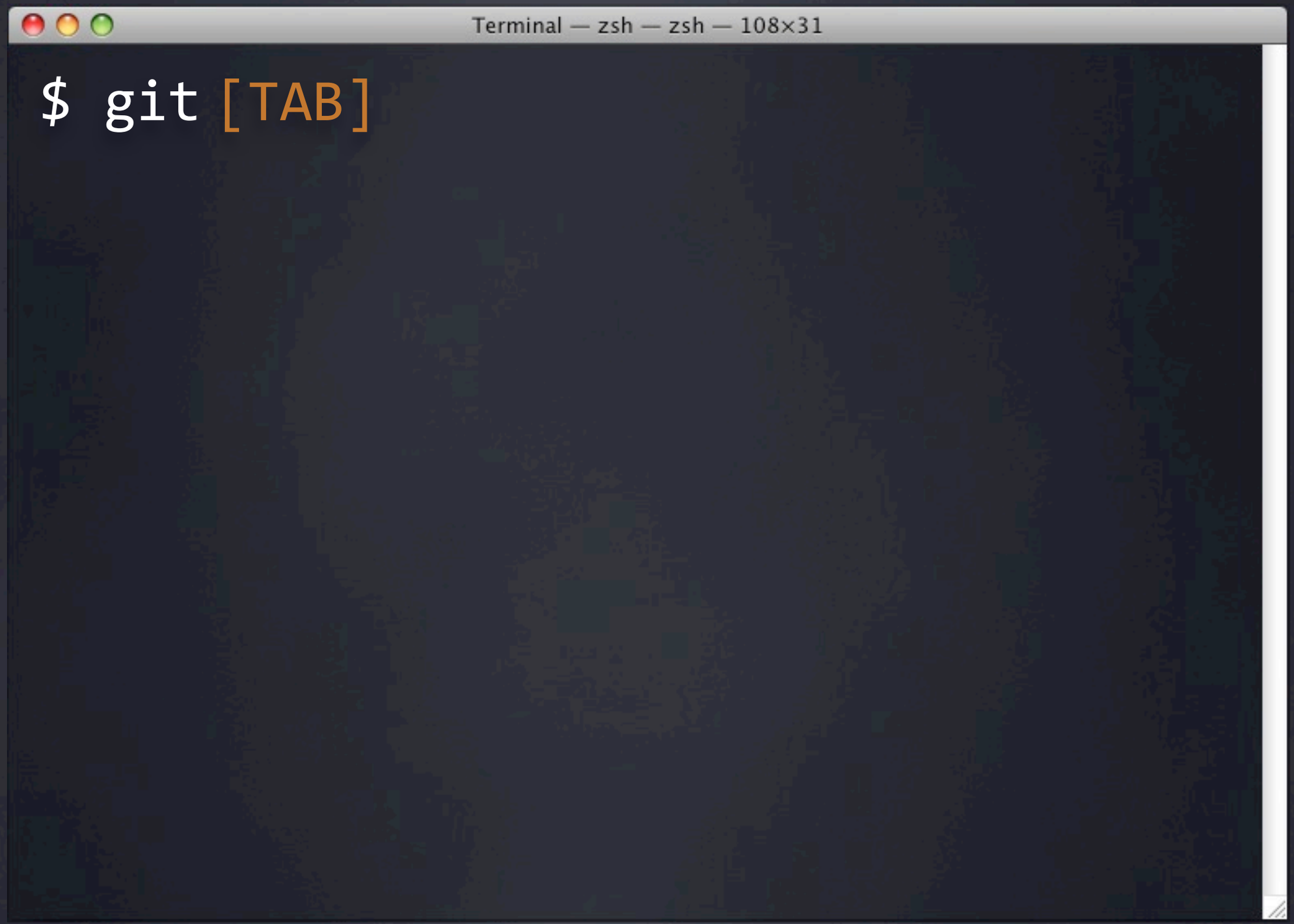

Terminal — zsh — zsh — 108×31
$ telnet

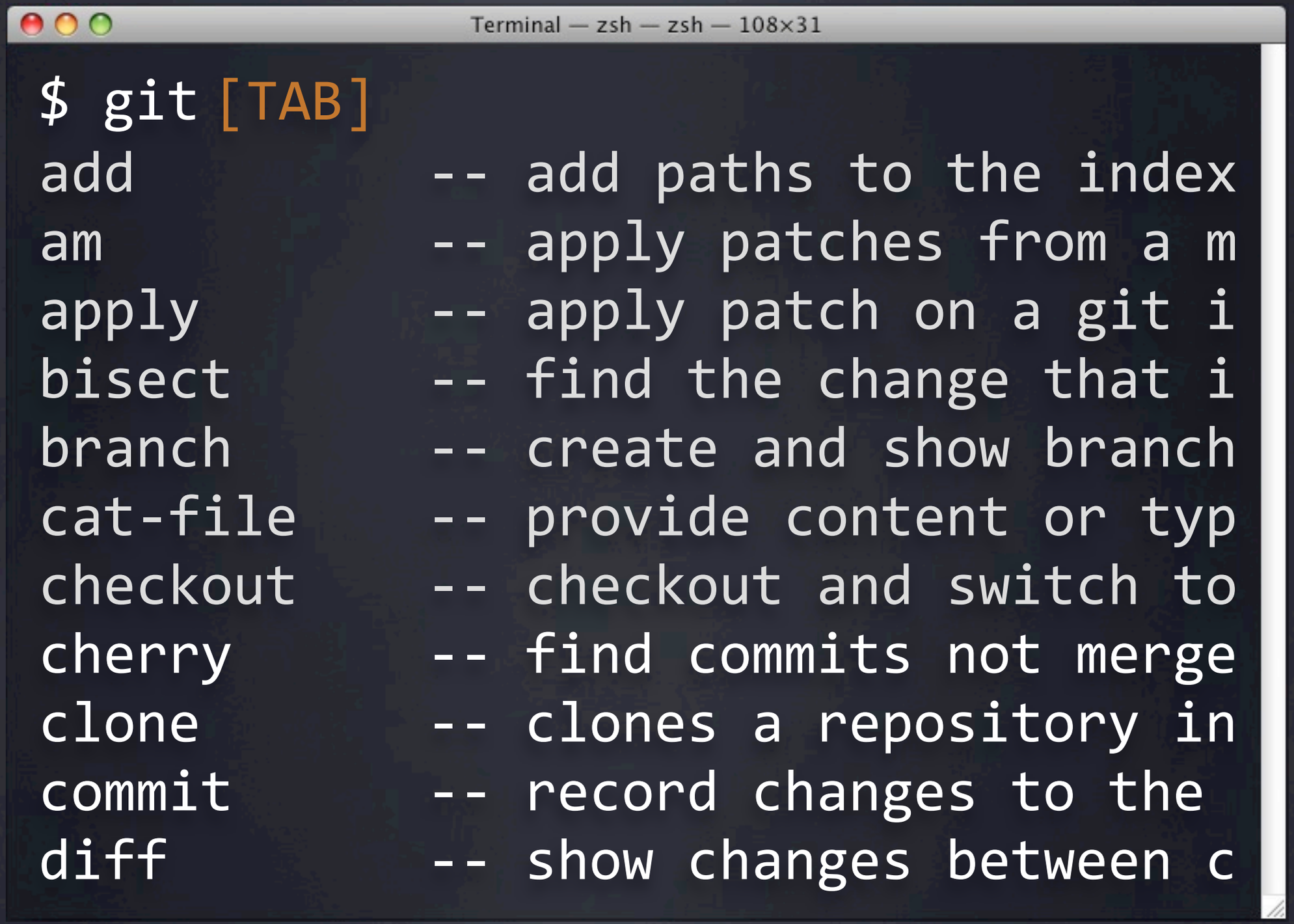

Terminal — zsh — zsh — 108×31
$ telnet [TAB]

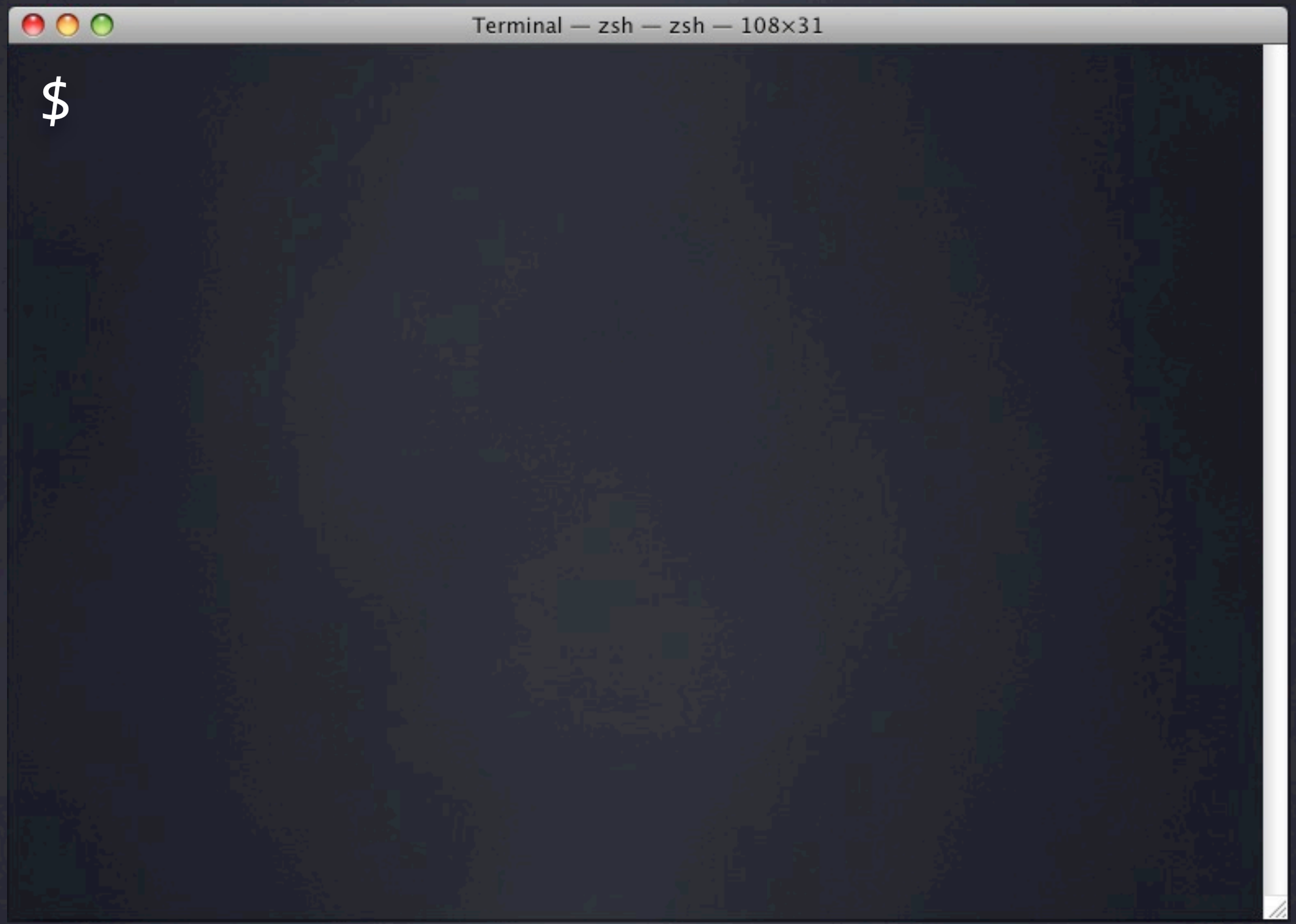

Terminal — zsh — zsh — 108×31
$ telnet [TAB]
192.168.0.1
192.168.0.12
download.directwebremoting.org
download.dojotoolkit.org
getahead.org
hg.mozilla.com
localhost
people.mozilla.com
sandbox.dojotoolkit.org
svn.directwebremoting.org
www.christadelphian.org

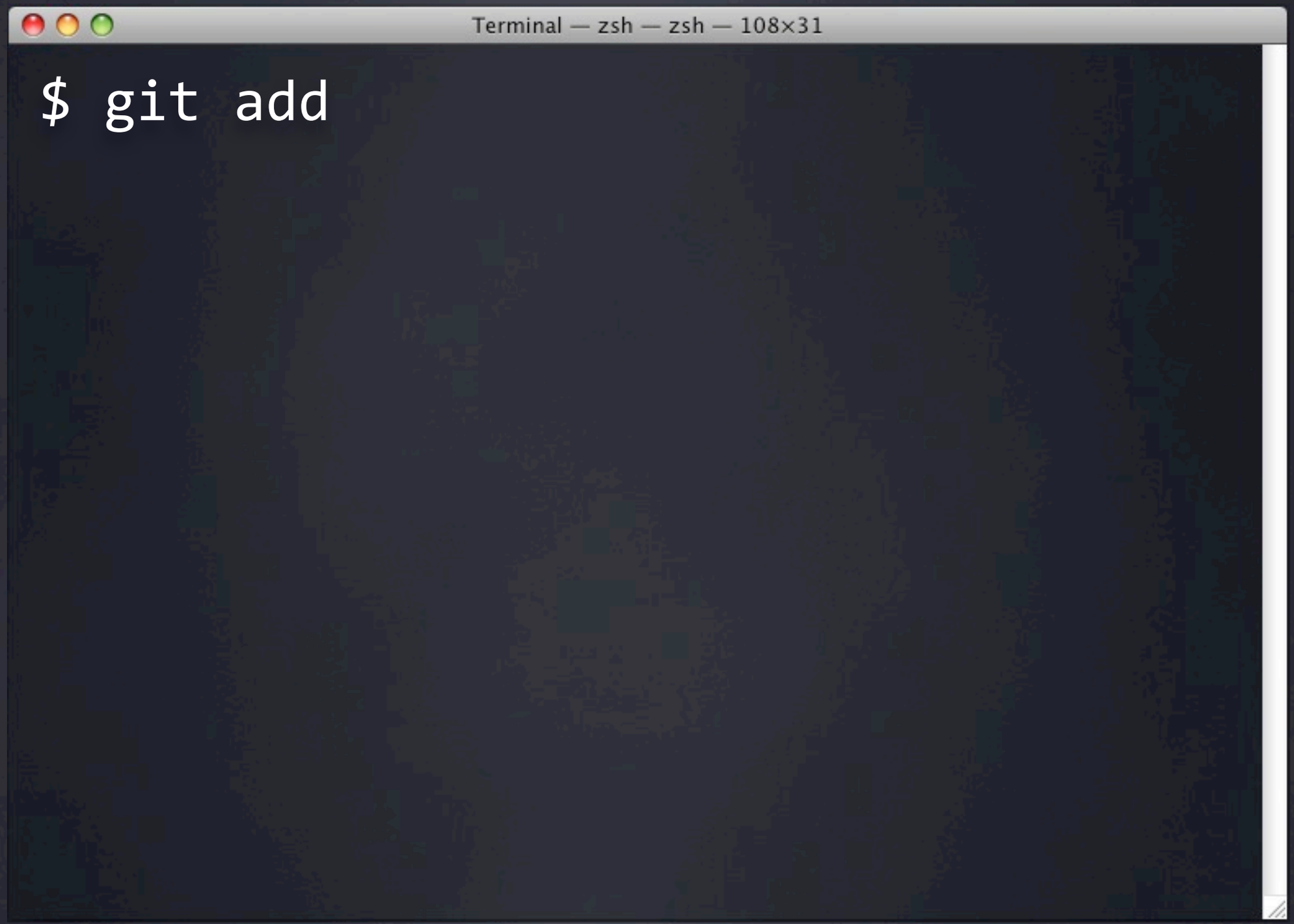

Terminal — zsh — zsh — 108×31
$

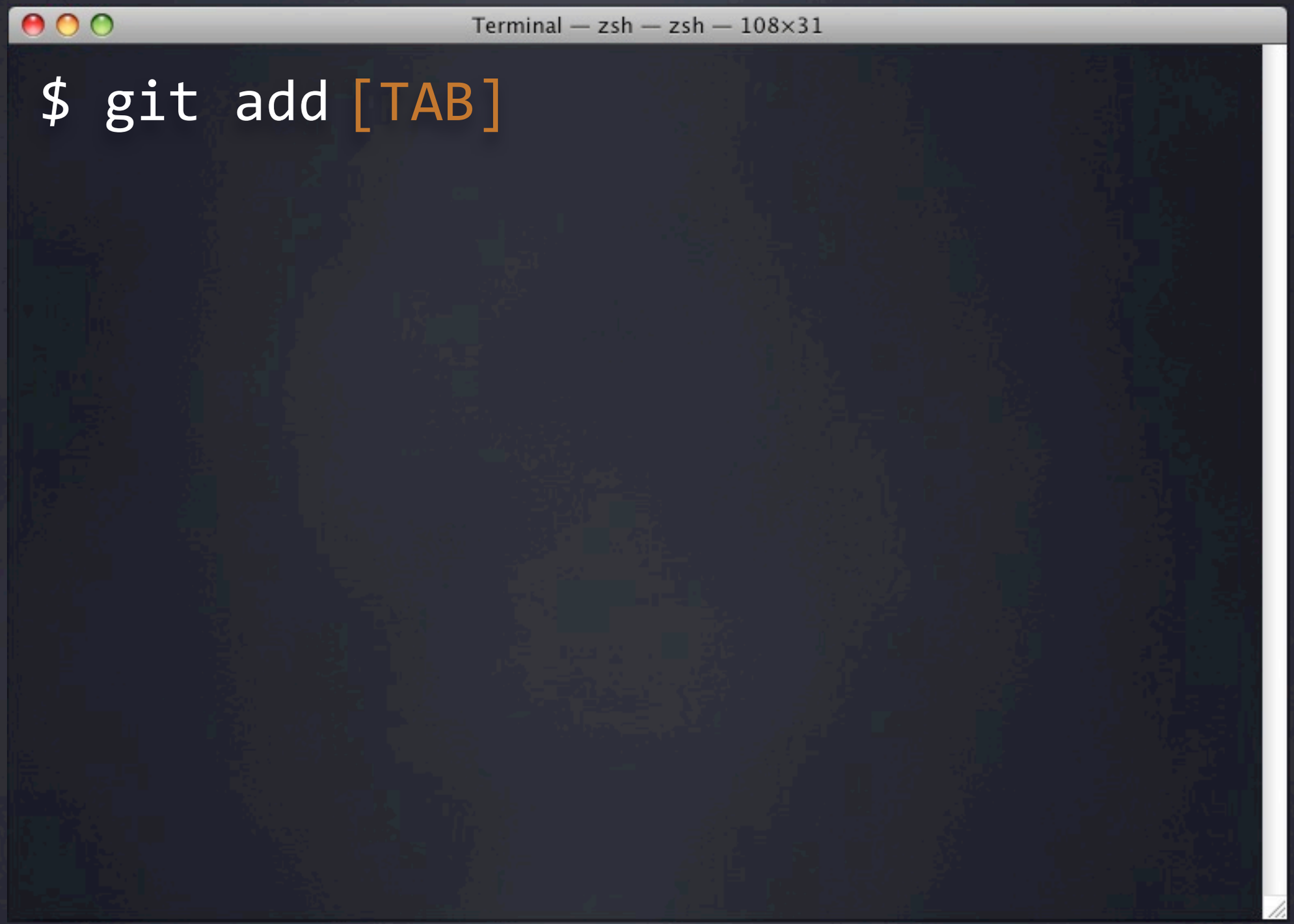

Terminal — zsh — zsh — 108×31
$ git

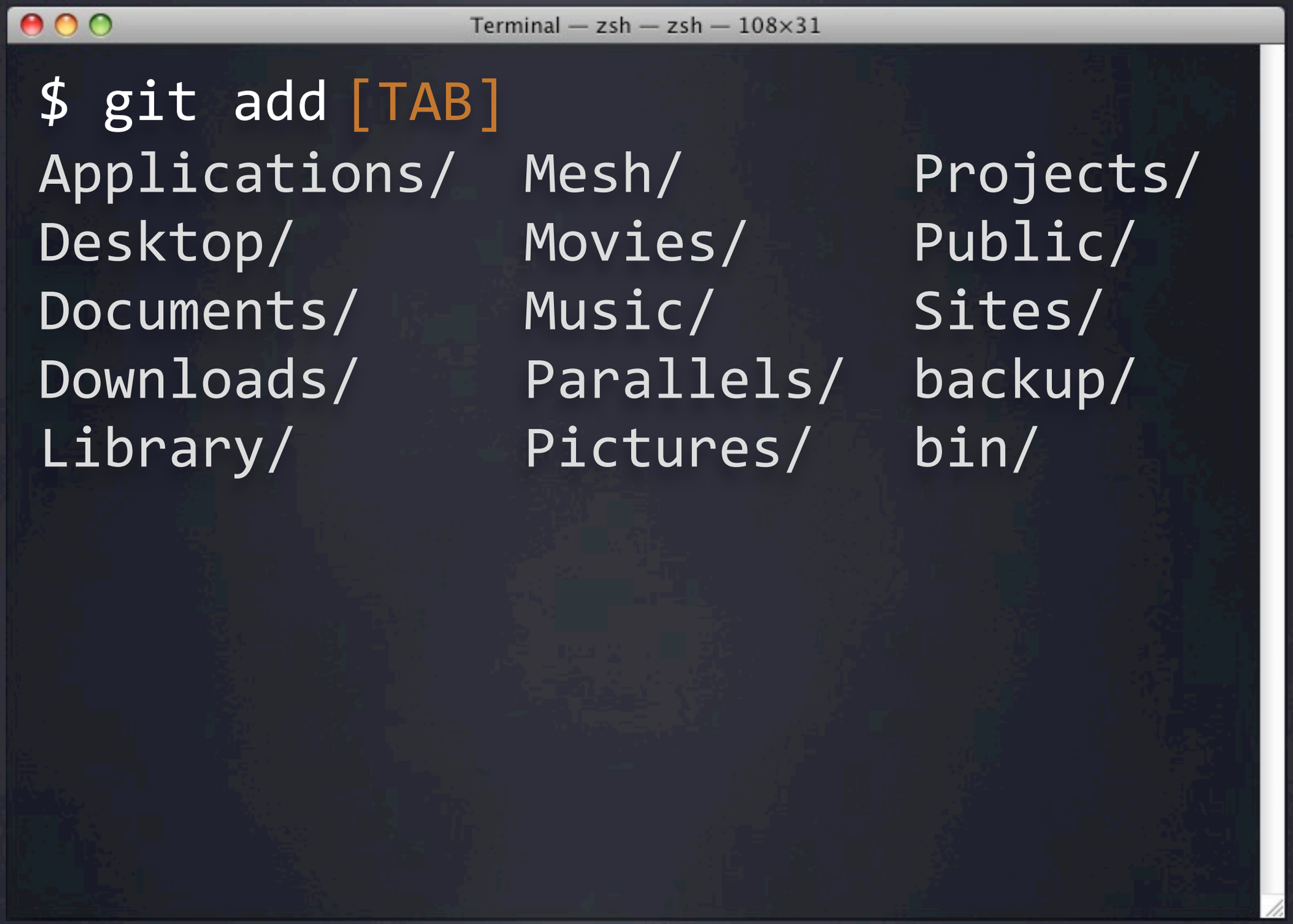

Terminal — zsh — zsh — 108×31
$ git [TAB]


Terminal — zsh — zsh — 108×31
$ git [TAB]
add -- add paths to the index
am -- apply patches from a m
apply -- apply patch on a git i
bisect -- find the change that i
branch -- create and show branch
cat-file -- provide content or typ
checkout -- checkout and switch to
cherry -- find commits not merge
clone -- clones a repository in
commit -- record changes to the
diff -- show changes between c


Terminal — zsh — zsh — 108×31
$


Terminal — zsh — zsh — 108×31
$ git add


Terminal — zsh — zsh — 108×31
$ git add [TAB]


Terminal — zsh — zsh — 108×31
$ git add [TAB]
Applications/ Mesh/ Projects/
Desktop/ Movies/ Public/
Documents/ Music/ Sites/
Downloads/ Parallels/ backup/
Library/ Pictures/ bin/

Bespin

Small pieces;
tightly coupled

Command Line

Graphical User Interface

Bespin >

My Project 01: index.html

origin

Open Sessions

- ReadMe.htm
- callforpapers.js
- error.php
- index.php
- index.php
- downloads.htm
- frmscpt_KA_news.php
- com

Find Files

s

- syntaxhilighter.js
- sync.py
- sybase.py
- svntestbase.py
- svnlookrepo.dump
- svnlook.py
- svncommon.py
- svn.txt
- svn.py — store
- svn.py — store

../path/to/sybase.py

36 matches Done

```
1
2   //This is going to be a very long line that triggers horizontal scrolling so I can see exactly how wide
    to be a very long line that triggers horizontal scrolling so I can see exactly how wide this is.
3   function DefaultHeaderRenderer() {
4       this.paintCell = function(ctx) {
5           var g = ctx.gc;",
6           g.fillStyle = \"rgb(223, 205, 151)\";
7           g.fillRect(ctx.origin.x, ctx.origin.y, ctx.size.width, ctx.size.height);
8           g.strokeStyle = \"rgb(168, 155, 114)\";
            g.strokeRect(ctx.origin.x + ctx.size.width - 1, ctx.origin.y, 1, ctx.size.height);
            g.strokeRect(ctx.origin.x, ctx.origin.y + ctx.size.height - 1, ctx.size.width, 1);
            drawText(g, \"rgb(0, 0, 0)\", ctx.value,",
                ctx.origin.x + ctx.insets.left, ctx.origin.y + ctx.size.height - ctx.insets.bottom - ctx.ins
        }


    /This is going to be a very long line that triggers horizontal scrolling so I can see exactly how wide
    o be a very long line that triggers horizontal scrolling so I can see exactly how wide this is.
    unction DefaultHeaderRenderer() {
        this.paintCell = function(ctx) {
            var g = ctx.gc;
            g.fillStyle = \"rgb(223, 205, 151)\";
            g.fillRect(ctx.origin.x, ctx.origin.y, ctx.size.width, ctx.size.height);
            g.strokeStyle = \"rgb(168, 155, 114)\";
23          g.strokeRect(ctx.origin.x + ctx.size.width - 1, ctx.origin.y, 1, ctx.size.height);
24          g.strokeRect(ctx.origin.x, ctx.origin.y + ctx.size.height - 1, ctx.size.width, 1);
25
```

> open

3

History

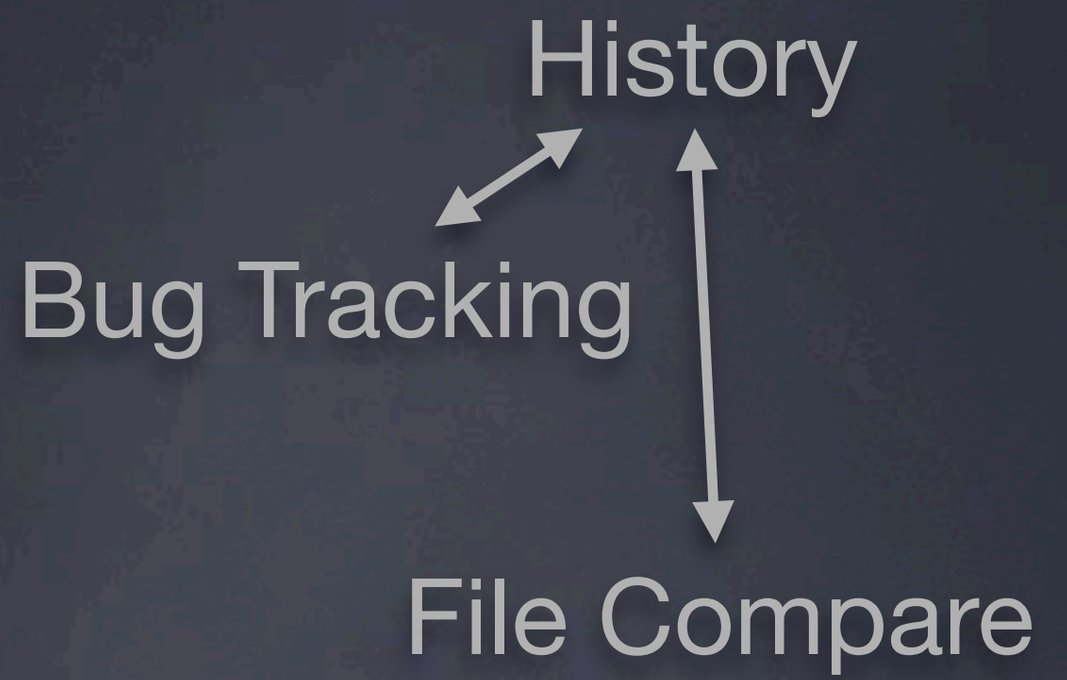
Undo

Bug Tracking

File Compare

Commit Messages

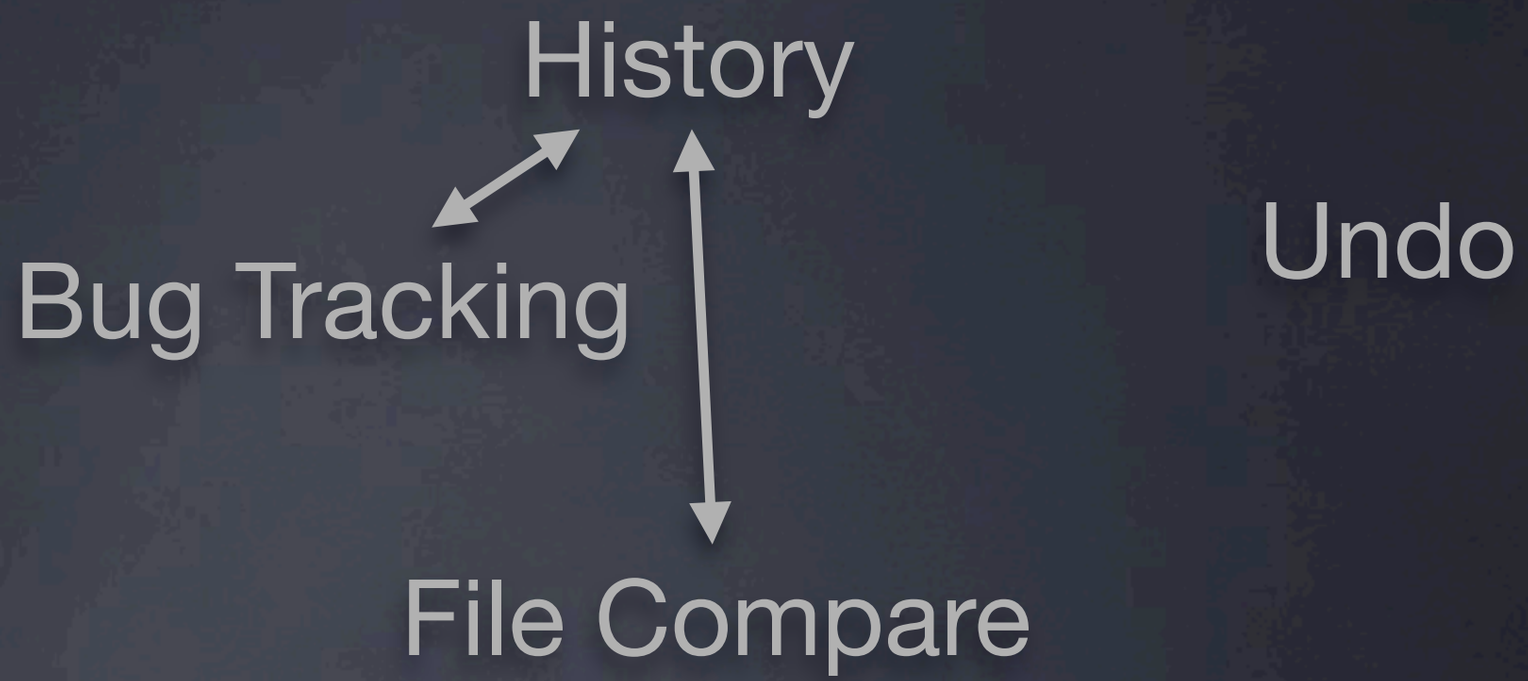
Documentation



Undo

Commit Messages

Documentation

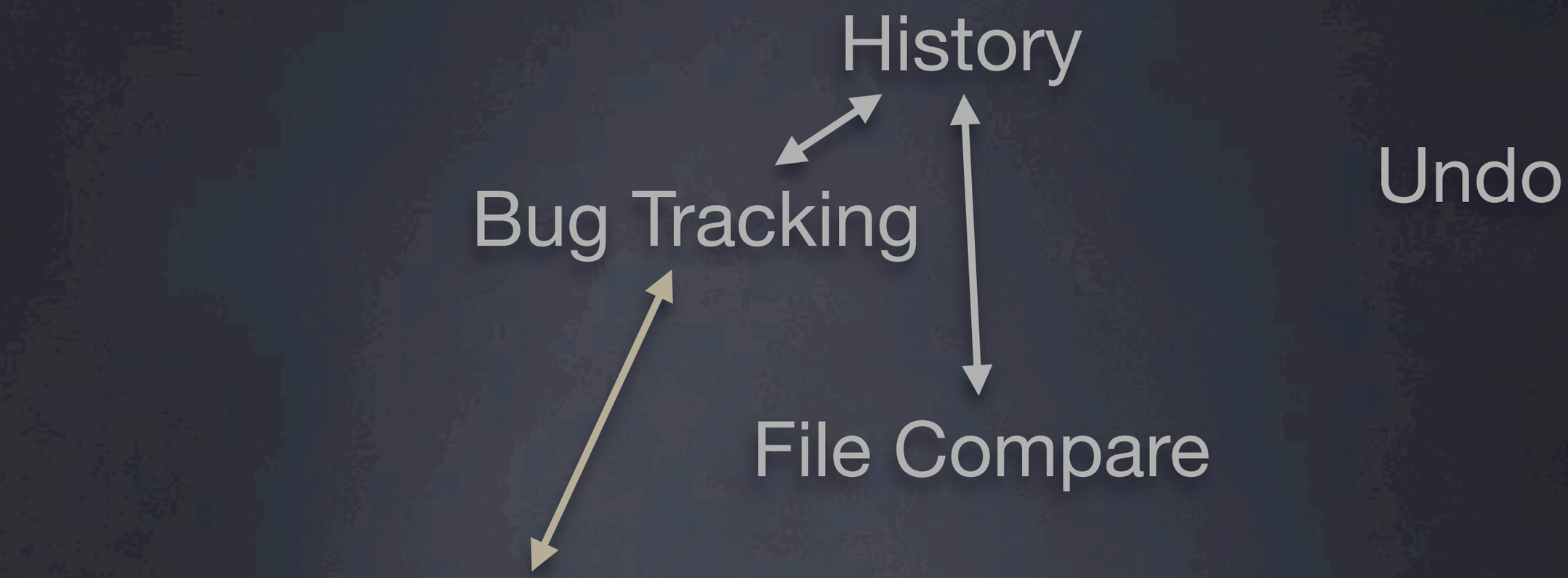


Undo

Status Messages

Commit Messages

Documentation



Commit Messages

Documentation

History

Undo

Bug Tracking

Twitter / etc

File Compare

Status Messages

Commit Messages

Documentation

History

Undo

Bug Tracking

Twitter / etc

File Compare

Status Messages

Commit Messages

Documentation

History

Undo

Bug Tracking

Twitter / etc

File Compare

Status Messages

Collaboration

Commit Messages

Documentation

History

Undo

Bug Tracking

Twitter / etc

File Compare

Status Messages

Collaboration

Commit Messages

Team Awareness

Documentation

History

Undo

Bug Tracking

Twitter / etc

File Compare

Status Messages

Collaboration

Commit Messages

Team Awareness

IRC/Chat

Documentation

History

Undo

Bug Tracking

Twitter / etc

File Compare

Status Messages

Collaboration

Commit Messages

Team Awareness

IRC/Chat

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History
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IRC/Chat
Documentation

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File Compare
Status Messages
Collaboration
Commit Messages
Team Awareness
IRC/Chat
Documentation

Scaled Deployment

Replacement for <textarea>

Add-on to code site like SourceForge

Standalone like bespin.mozilla.com

Custom project install

Intranet install

Titanium install

Bespin >

My Project 01: index.html

Heat Map

Line 125:
g.fillStyle = \"rgb(223, 205, 151)\";

Last Edited
Recently Edited
Commonly Edited

```
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9           g.strokeRect(ctx.origin.x + ctx.size.width - 1, ctx.origin.y, 1, ctx.size.height);
10          g.strokeRect(ctx.origin.x, ctx.origin.y + ctx.size.height - 1, ctx.size.width, 1);
11          drawText(g, \"rgb(0, 0, 0)\", ctx.value,",
                ctx.origin.x + ctx.insets.left, ctx.origin.y + ctx.size.height - ctx.insets.bottom - ctx.ins
        }
15
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21          g.fillRect(ctx.origin.x, ctx.origin.y, ctx.size.width, ctx.size.height);
22          g.strokeStyle = \"rgb(168, 155, 114)\";
23          g.strokeRect(ctx.origin.x + ctx.size.width - 1, ctx.origin.y, 1, ctx.size.height);
24          g.strokeRect(ctx.origin.x, ctx.origin.y + ctx.size.height - 1, ctx.size.width, 1);
25
```

3

Case Study:
Delicious Library

Case Study:
Delicious Library

Delicious Library

Collections

- Books 57
- Movies 177
- Music 87
- Games 19
- Recent Imports
- Kid Stuff 42
- Science Research 21
- Living Room 27
- All Time Favorites 14

Borrowers

- Christopher Mascio... 3
- Jonthan Matas 2
- Judy Costigan 3
- Wendell Matas 2
- Wil Shipley 5

Movies: by series, a to z

Happy to Jackie

Jaws to Life

Video

Search

Details

Kill Bill, Volume 1

Quentin Tarantino

Late!

publisher / label	Miramax
release date	Tuesday, April 13, 2004
stars	Uma Thurman Lucy Liu Daryl Hannah David Carradine Michael Madsen
theatrical debut	Friday, October 10, 2003
genres	Feature Film-action/Adventure
MPAA rating	R
format	DVD
features	Color
running time	111
retail price	$29.99
current value	$13.75
amazon® users	★★★★☆
u.p.c.	786936226997
amazon® #	B00005JMEW

Quentin Tarantino's *Kill Bill, Vol. 1* is trash for connoisseurs. From his opening gambit (including a "Shaw-Scope" logo and gaudy '70s-vintage "Our Feature Presentation" title card) to his cliffhanger finale (a teasing lead-in to 2004's Vol. 2), Tarantino pays loving tribute to grindhouse cinema, specifically the Hong Kong action flicks and spaghetti Westerns that fill his fervent brain--and this frequently breathtaking movie--with enough cinematic references and cleverly pilfered soundtrack cues to send cinephiles running for their reference books. Everything old is new again in Tarantino's humor-laced vision: he steals from the best while injecting his own oft-copied, never-duplicated style into what is, quite simply, a revenge flick.

Details | My Info | Similar

EDIT

Overdue from: Wil Shipley

Delicious Library
Collections
Books
Movies 177
Music
Games
Recent Imports
Kid Stuff
Science Research
Living Room
All Time Favorites
Borrowers
Christopher Mascio...
Jonthan Matas
Judy Costigan
Wendell Matas
Wil Shipley
Movies: by series, a to z
Happy to Jackie
Jaws to Life
Video
Details
Kill Bill, Volume 1
Quentin Tarantino
publisher / label Miramax
release date Tuesday, April 13, 2004
stars Uma Thurman
Lucy Liu
Daryl Hannah
David Carradine
Michael Madsen
theatrical debut Friday, October 10, 2003
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MPAA rating R
format DVD
features Color
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amazon users
u.p.c. 786936226997
amazon # B00005JMEW
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Details
My Info
Similar
Search
Overdue from: Wil Shipley

Delicious Library

Collections

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Details | My Info | Similar

EDIT

Overdue from: Wil Shipley

$500,000 in three months
$54,000 profit. The first day. With no advertising

Bespin >

Version tip "DEVELOPMENT MODE"

SampleProject : example.js

AAA

```
1 /*
2  * This sample code
3  * is really lame
4  * but we're tired
5  */
6 function welcome() {
7     return "to Bespin";
8 }
```

Register

> follow sharer

> set collaborate on

F5

Edit: sharer+demo/editme.txt

>

Hint: Try Ctrl-J

Open Web Platform

Open Web Platform

Documentation

Open Web Platform

Documentation

Home

Open Web Platform

Documentation

Home

Dashboard of the State of the Open Web

Open Web Platform

Documentation

- Home
- Dashboard of the State of the Open Web
- Bounty