

Sketching in Code



David Verba

david@adaptivepath.com



These are your blog's numbers on **28 November 2005**



1062

Visitors

came to your blog. That's 675 more than an average day. [Explore more...](#)



49

Links

came from other blogs. That's 14 more than an average day. [Explore more...](#)



0

Comments

were posted on your blog. That's 1 fewer than an average day. [Explore more...](#)



113 of 273

Posts


had someone visit them. That's 111 more than an average day. [Explore more...](#)

Popular Posts

today

-  Banana Republic designs... 111
19 Oct 05 [\[view post info\]](#)
-  Making A Better Open So... 71
3 Oct 04 [\[view post info\]](#)
-  Content Migration made ... 57
1 Dec 05 [\[view post info\]](#)

What's Happening on your Blog

 [Summary of 24 November 2005 - 1 December 2005](#)

[More ...](#)

Notable Quotes

“an engineer should never be more than a stone thrown away from a physical product.”

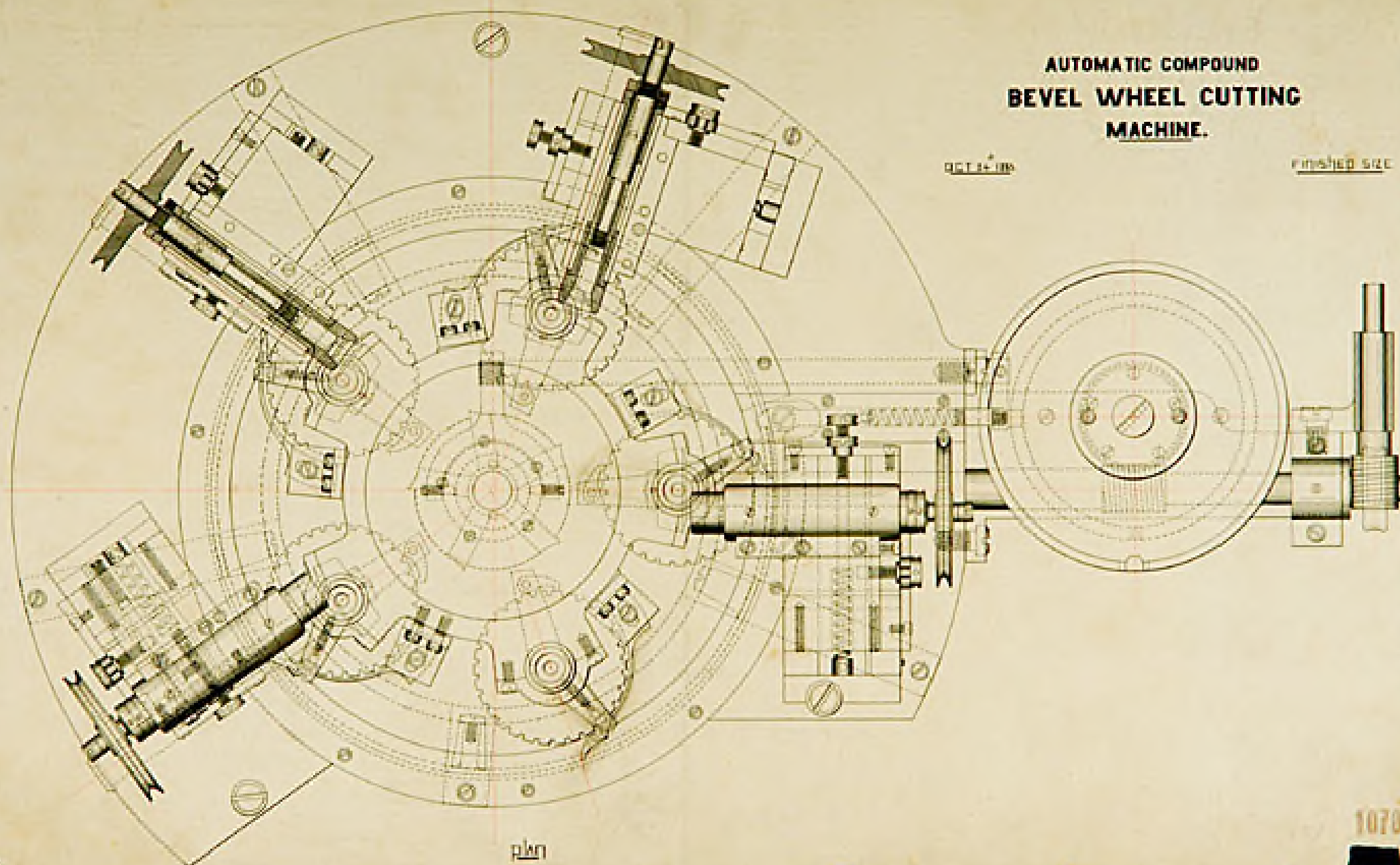
Kelly Johnson, Head of Lockheed's Skunk Works

Notable Quotes

“a design/development process should never be more than a stones throw away from a working prototype.”

Me

Sketches



This Session Includes:

What do we mean by prototype?

Audience and Uses

Advantages/Drawbacks

Specific Techniques

Low Fidelity

Show me

Low Fidelity

Hide me

Fill in:

Add

The image shows a vertical stack of four UI elements. At the top is a dark blue rounded rectangle containing the text 'Hide me' in white. Below it is a light olive-green rounded rectangle containing the text 'Fill in:' in black. Underneath that is a white rectangular input field with a thin black border and a vertical cursor on the left side. At the bottom of the stack is a smaller, rounded olive-green button containing the text 'Add' in white.

Low Fidelity

Hide me

Fill in:

Add

The image shows a low-fidelity prototype of a form. It consists of a dark blue rounded rectangle at the top containing the text 'Hide me'. Below this is a larger light green rounded rectangle containing the text 'Fill in:'. Underneath the label is a white text input field with a black border, containing the text 'Pickles|'. At the bottom right of the light green rectangle is a dark blue rounded rectangle containing the text 'Add'.

Low Fidelity

Hide me

Fill in:

Add

Low Fidelity

Hide me

Fill in:

Pickles x

Add

The image shows a low-fidelity prototype of a user interface. It consists of a vertical stack of elements. At the top is a dark blue rounded rectangle with the text 'Hide me' in white. Below this is a light beige rounded rectangle containing the text 'Fill in:'. Underneath is a yellow rounded rectangle with the text 'Pickles' in black and a small dark blue circle with a white 'x' to its right. Below the yellow rectangle is a white rounded rectangle with a black border and a vertical cursor on the left side. At the bottom of the beige container is a dark blue rounded rectangle with the text 'Add' in white.

Low Fidelity

Hide me

Fill in:

Pickles

Add

Add doesn't work at this point, so you either need to **hide** the control or delete (x) the Pickles

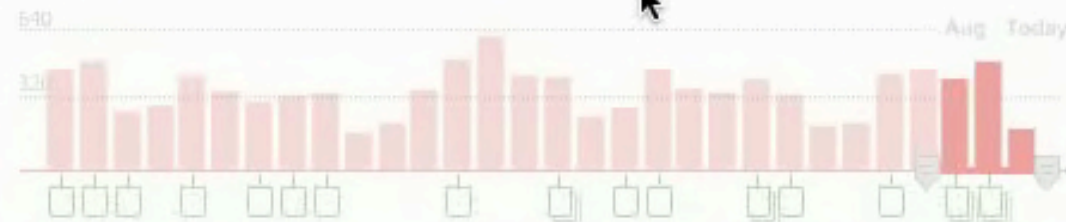
High Fidelity

blog: Adaptive Path Blog | [settings](#) | [help](#) | [sign out](#) | [feeds](#)



These are your blog's numbers during **1-3 August 2007**

Visitors to your blog



1053

Visitors

came to your blog. That's 45 more than an average 3 day period. [Explore more...](#)

160

Links

came from other sites. That's 37 more than an average 3 day period. [Explore more...](#)

9

Comments

were posted on your blog. That's 2 more than an average 3 day period. [Explore more...](#)

141 of 392

Posts

had someone visit them. That's 138 more than an average 3 day period. [Explore more...](#)

Why Prototype?

-

Why Prototype?

Sample Wire Frame

Screen 1 of 1

Interaction Designer: Dan Saffer

Version: 1.0
Date Revised: 6/5/2003
Project Name: Sample Documents

Functional Annotations

- 1 Links to Home on subsequent pages.
- 2 Login Module. Submit either takes to secure banking application or to a resubmit page if there is an error.
- 3 Button links to account application page.
- 4 Links to Forgotten Password page.
- 5 Links to Contact Us page.

Content Annotations

- 1 Dynamic Rate Table.
- 2 Products and services text can be modular, to be swapped in and out. Thumbnail graphics can illustrate products.
- 3 Copyright and other legal information
- 4 Space for branding messages as well as for promotions.

Key

Functional Reference	1
Content Reference	1
Static Text	Lorum ipsum
Linked Text	Lorum ipsum
Dynamic Text	Lorum ipsum
Conditional	[- - -]
Include	include

Issues

None

Changes since last revision

None

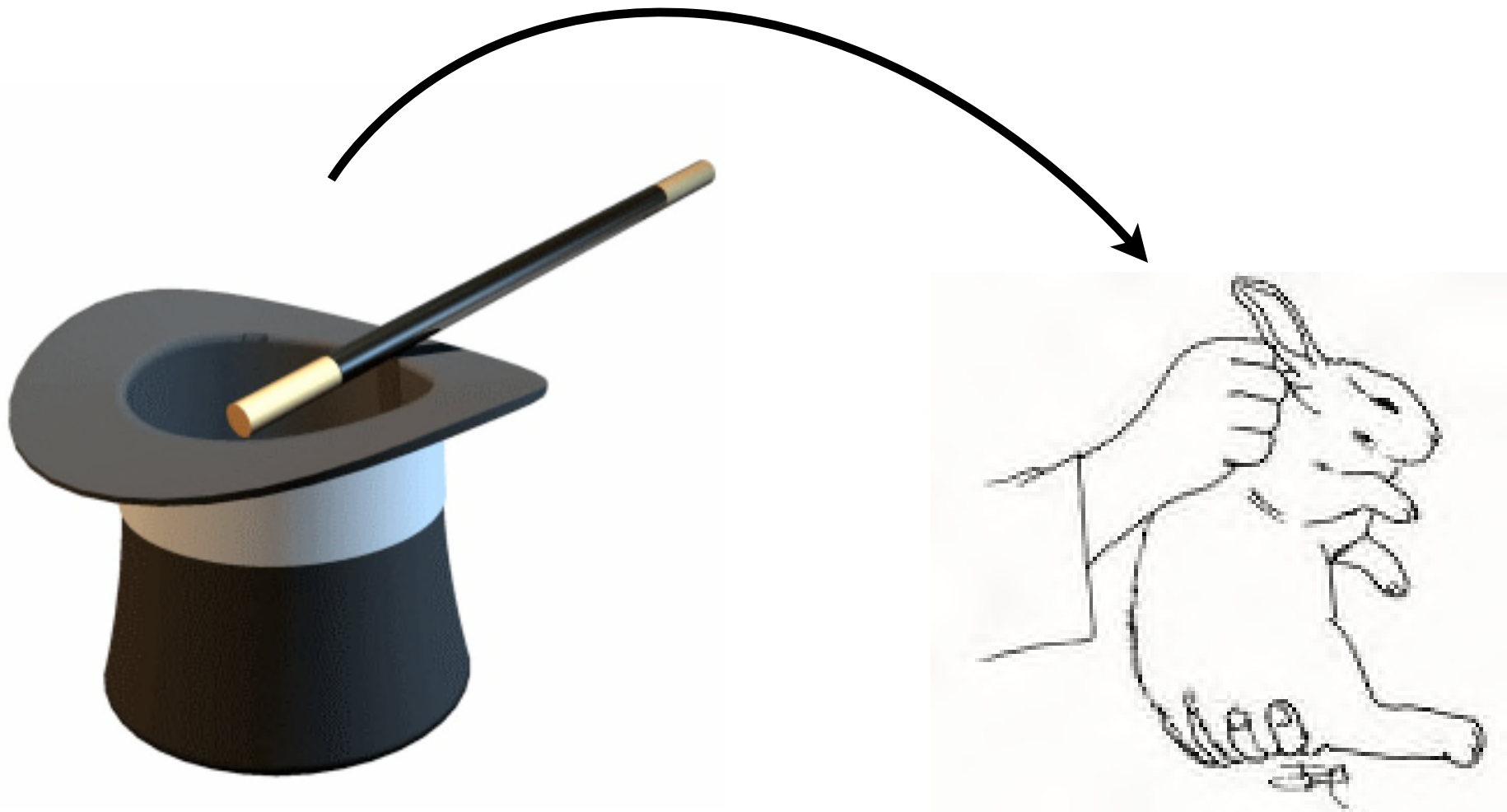
Why Prototype?



Why Prototype?



Why Prototype?



Where can we prototype?

Exploration

Where can we prototype?

Exploration



Collaboration & Development

Where can we prototype?

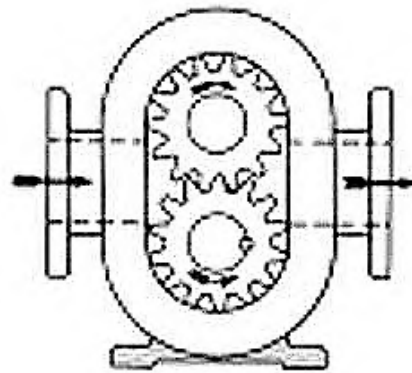
Exploration

```
graph TD; A[Exploration] --> B[Collaboration & Development]; B --> C[Deliverable];
```

Collaboration & Development

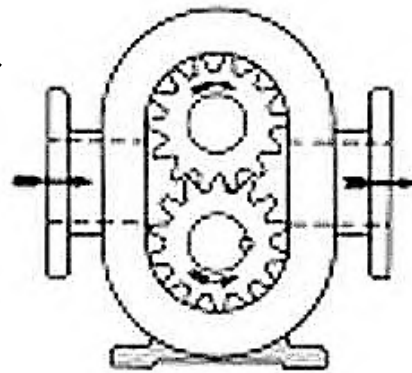
Deliverable

Who is the audience?

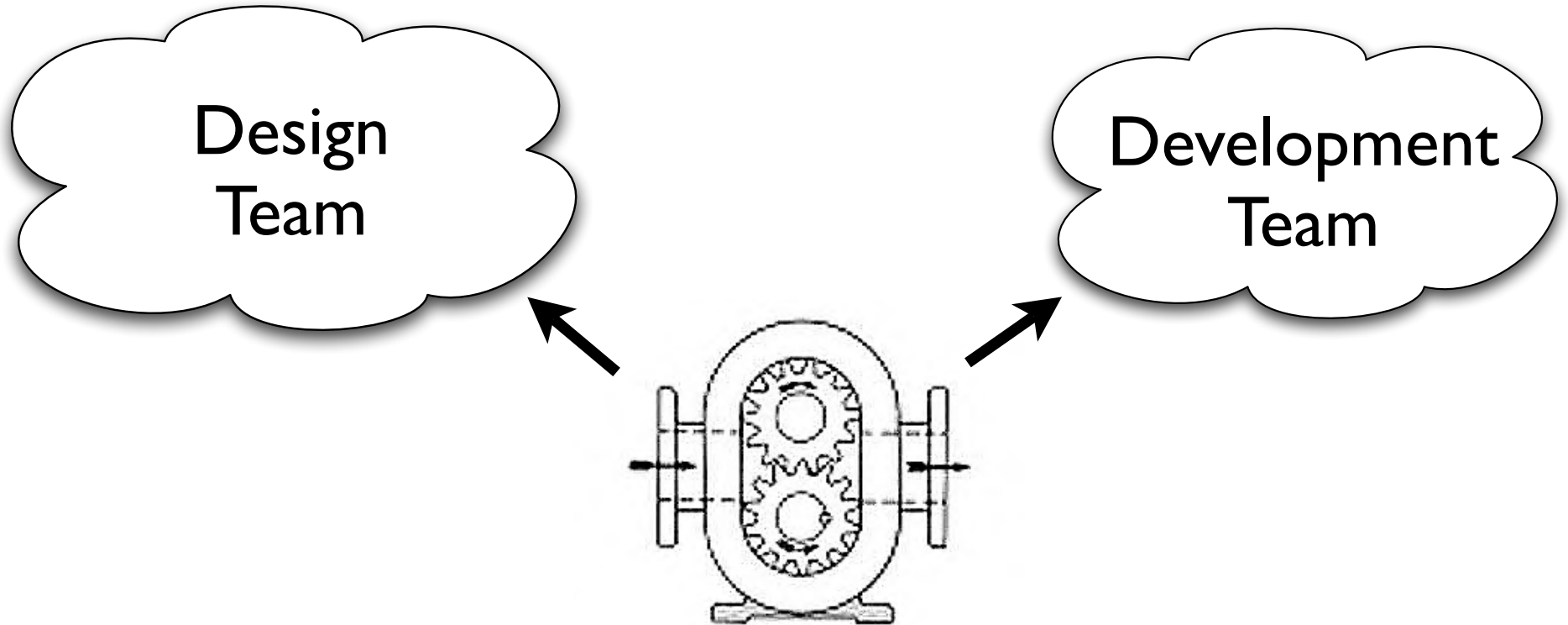


Who is the audience?

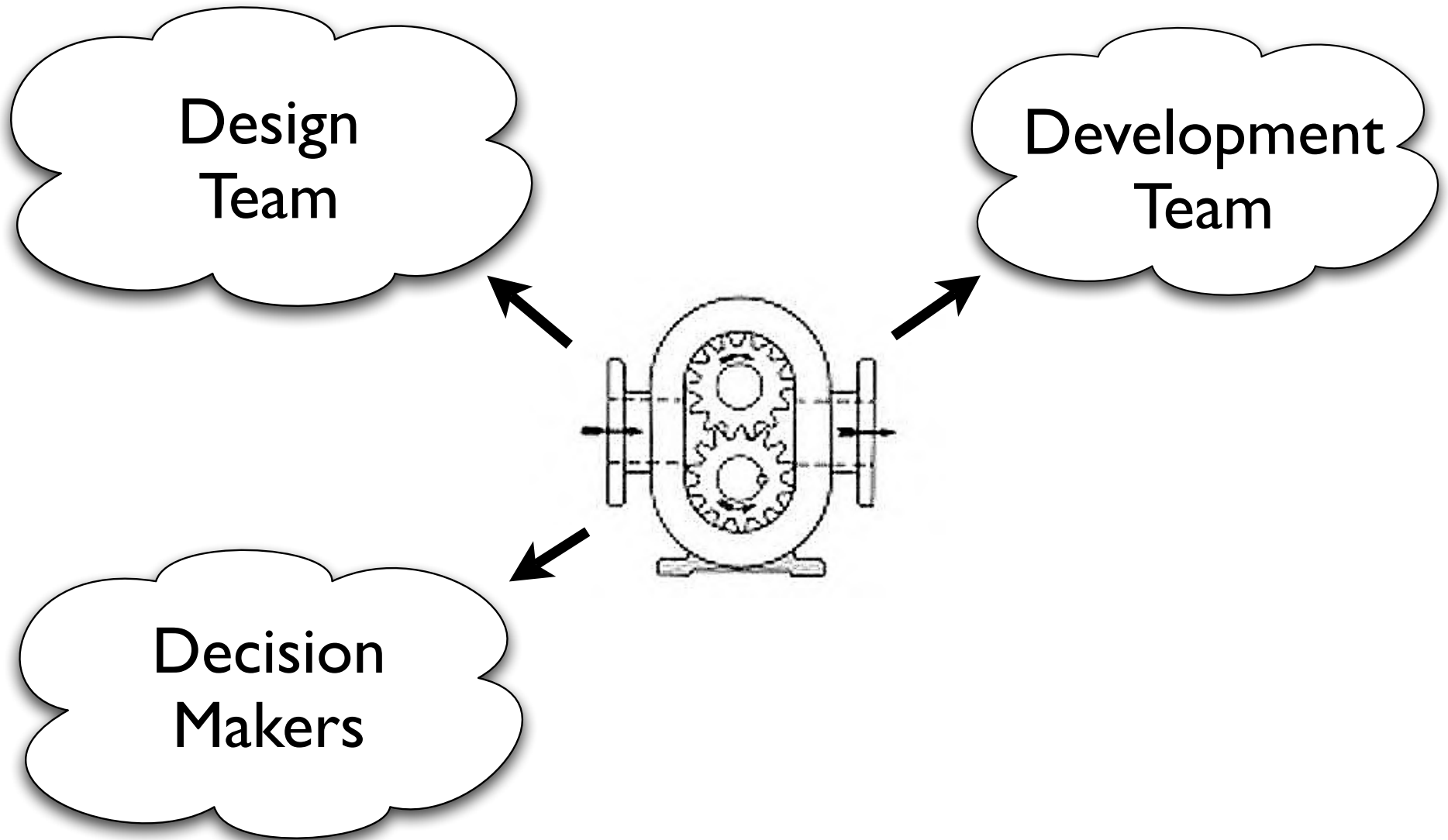
Design
Team



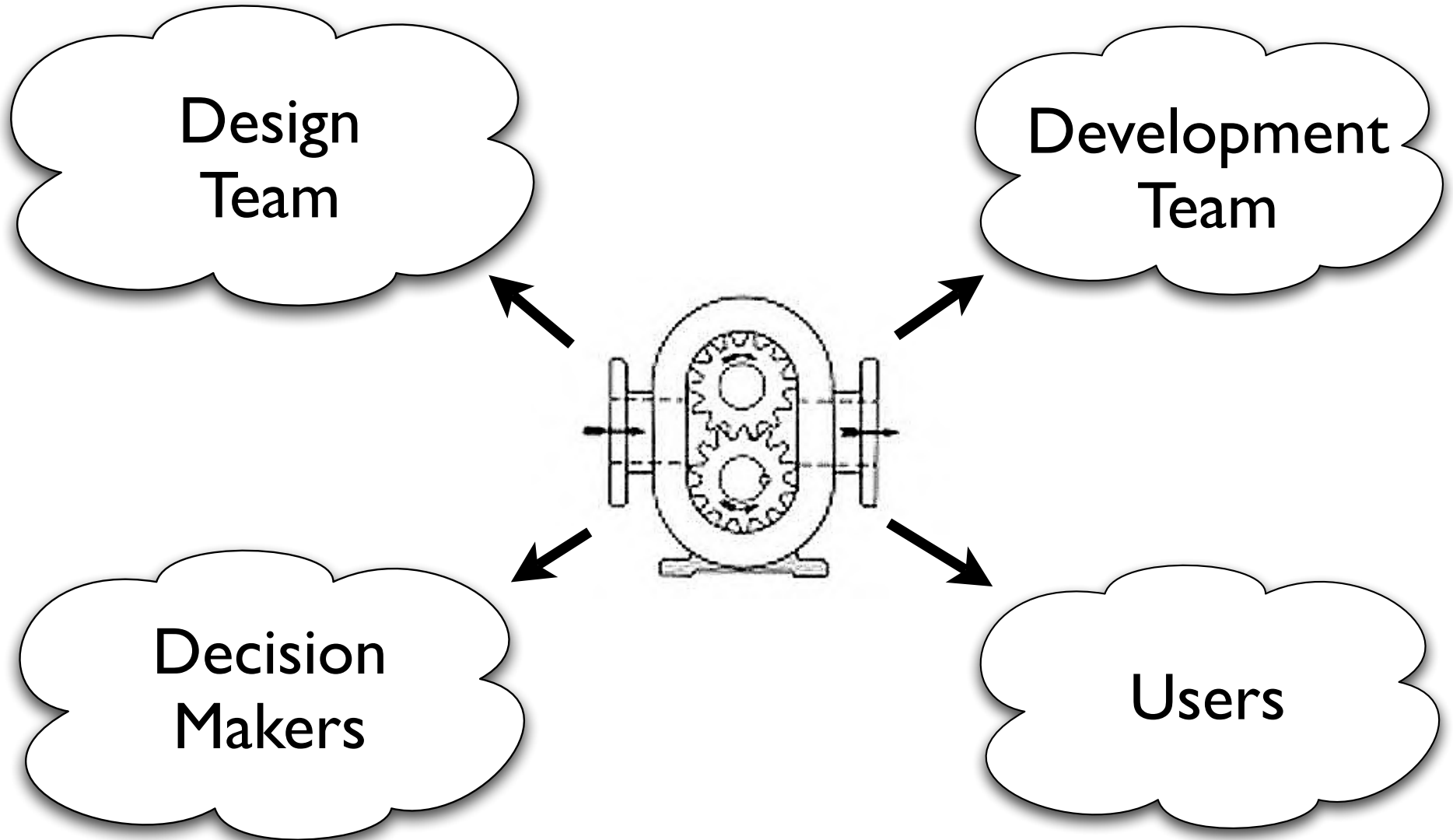
Who is the audience?



Who is the audience?



Who is the audience?



Advantages

Advantages

- See Problems More Clearly

Advantages

- See Problems More Clearly
- See Some Problems at All

Advantages

- See Problems More Clearly
- See Some Problems at All
- Buy In From Stakeholders

Advantages

- See Problems More Clearly
- See Some Problems at All
- Buy In From Stakeholders
- Fosters Collaboration

Advantages

- See Problems More Clearly
- See Some Problems at All
- Buy In From Stakeholders
- Fosters Collaboration
- Helps Everybody Understand What is Possible

Developers



Low Fidelity can be a problem

Hide me

Fill in:

Pickles

Add

Add doesn't work at this point,
so you either need to **hide** the
control or delete (x) the Pickles

High Fidelity can be a problem



These are your blog's numbers on **28 November 2005**



1062

Visitors

came to your blog. That's 675 more than an average day. [Explore more...](#)



49

Links

came from other blogs. That's 14 more than an average day. [Explore more...](#)



0

Comments

were posted on your blog. That's 1 fewer than an average day. [Explore more...](#)




113 of 273

Posts

had someone visit them. That's 111 more than an average day. [Explore more...](#)

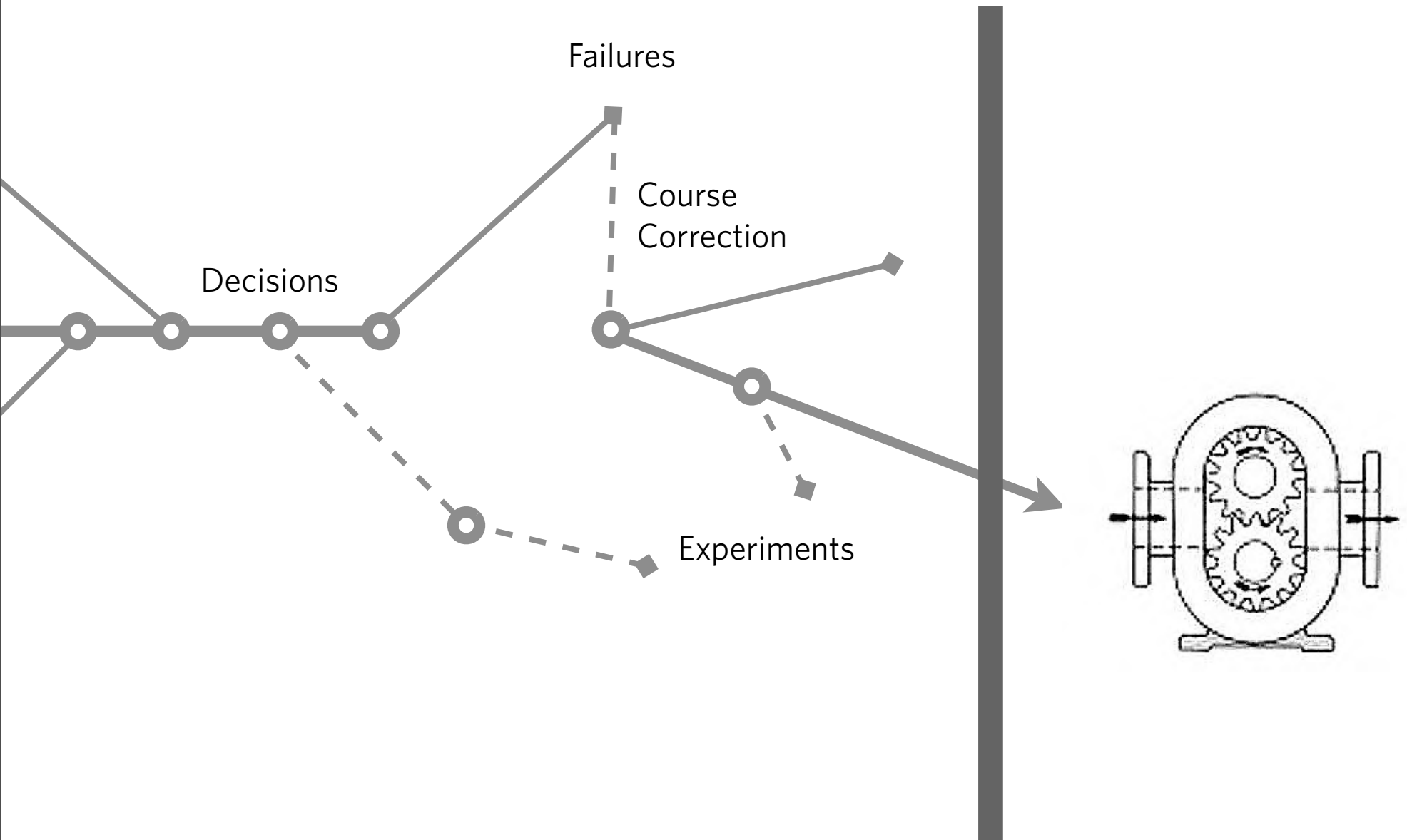
today

What's Happening on your Blog

 [Summary of 24 November 2005 - 1 December 2005](#)

Popular Posts

Annotation is Difficult



Solve the Right Problems



Actual Techniques

HTML + Javascript

```
<html>  
<head>  
<title>Prototypes Rule</title>  
  <link href="/stylesheets/main.css" rel="stylesheet" type="text/css" />  
  <script src="/javascripts/prototype.js" type="text/javascript">  
  </script>  
</head>
```

HTML + Javascript

UXWeek TiddlyWiki a reusable non-linear personal web notebook

- HelloThere
- TiddlyWiki
- MainFeatures
- GettingStarted
- Customisation
- Community
- DownloadSoftware
- Plugins
- RSS

TiddlyWiki 2.2.4
© 2007 [UnaMesa](#)

HelloThere

JeremyRuston, 16 May 2007 (created 20 September 2005)
Welcome to **TiddlyWiki**, a popular free **MicroContent WikiWikiWeb** created by **JeremyRuston** and a busy **Community** of independent developers. It's written in HTML, CSS and *JavaScript* to run on any modern browser without needing any **ServerSide** logic. It allows anyone to create personal **SelfContained** hypertext documents that can be posted to a **WebServer**, sent by email or kept on a USB thumb drive to make a **WikiOnAStick**. Because it doesn't need to be installed and configured it makes a great **GuerillaWiki**. This is revision 2.2.4 of **TiddlyWiki** (see [recent changes](#)), and is published under an **OpenSourceLicense**.

tags:
welcome

Release2.2

JeremyRuston, 18 May 2007 (created 17 May 2007)
Release 2.2 brings a solid set of **NewFeatures** to help many of the different groups of people who use **TiddlyWiki**:

- For people using **TiddlyWiki** to publish information, this release brings a new **BackstageArea** user interface that makes it easier to customise **TiddlyWiki** to give a great experience for readers while still having easy access to the authoring tools when they're appropriate
- For people using **TiddlyWiki** as a personal tool, this release offers the beginnings of support for spreading tiddlers across multiple files, greatly increasing the overall storage capacity
- For people using **TiddlyWiki** as a collaboration tool, this release includes properly defined hooks for **ServerConnectivity**, enabling **ServerSide** adaptations to be added cleanly

This release lays the groundwork for some exciting new abilities in the future. These include stripping the core code back down to a minikernel, migrating much of the existing functionality to plugins that can then be omitted if not required, and reducing the overall size of the **TiddlyWiki** file.

2.2 of **TiddlyWiki**. Over the last few weeks the **Community** has helped to migrate existing **TiddlyWiki** documents, exercising caution if

search

- close all
- permaview
- new tiddler
- new journal
- save changes
- options »

Timeline All Tags More

- adaptations (4)
- browsers (7)
- commands (9)
- community (6)
- concepts (12)
- examples (4)
- features (38)
- formatting (18)
- functions (8)
- history (3)
- includeNew (1)
- instructions (6)
- issues (8)
- macros (9)
- mechanisms (1)
- news (1)
- options (9)
- patterns (1)
- systemConfig (2)
- systemServer (12)
- terminology (3)
- tips (1)
- tools (3)
- translations (24)
- troubleshooting (3)
- welcome (3)

HTML + Javascript

backstage +

UXWeek TiddlyWiki a reusable non-linear personal web notebook

HelloThere

TiddlyWiki

MainFeatures

GettingStarted

Customisation

Community

DownloadSoftware

Plugins

RSS

MainMenu

TiddlyWiki 2.2.4

© 2007 [UnaMesa](#)

HelloThere

JeremyRuston, 16 May 2007 (created 20 September 2005)

Welcome to **TiddlyWiki**, a **popular** free **MicroContent WikiWikiWeb** created by **JeremyRuston** and a busy **Community** of independent developers. It's written in HTML, CSS and *JavaScript* to run on any modern browser without needing any **ServerSide** logic. It allows anyone to create personal **SelfContained** hypertext documents that can be posted to a **WebServer**, sent by email or kept on a USB thumb drive to make a **WikiOnASTick**. Because it doesn't need to be installed and configured it makes a great **GuerrillaWiki**. This is revision 2.2.4 of **TiddlyWiki** (see [recent changes](#)), and is published under an **OpenSourceLicense**.

close close others edit more

tags:
welcome

Release2.2

JeremyRuston, 18 May 2007 (created 17 May 2007)

Release 2.2 brings a solid set of **NewFeatures** to help many of the different groups of people who use

TiddlyWiki:

- For people using **TiddlyWiki** to publish information, this release brings a new **BackstageArea** user interface that makes it easier to customise **TiddlyWiki** to give a great experience for readers while still having easy access to the authoring tools when they're appropriate
- For people using **TiddlyWiki** as a personal tool, this release offers the beginnings of support for spreading tiddlers across multiple files, greatly increasing the overall storage capacity
- For people using **TiddlyWiki** as a collaboration tool, this release includes properly defined hooks for **ServerConnectivity**, enabling **ServerSide** adaptations to be added cleanly

close close others edit more

no tags

This release lays the groundwork for some exciting new abilities in the future. These include stripping the core code back down to a minikernel, migrating much of the existing functionality to plugins that can then be omitted if not required, greatly reducing the overall size of the **TiddlyWiki** file.

search

close all

permaview

new tiddler

new journal

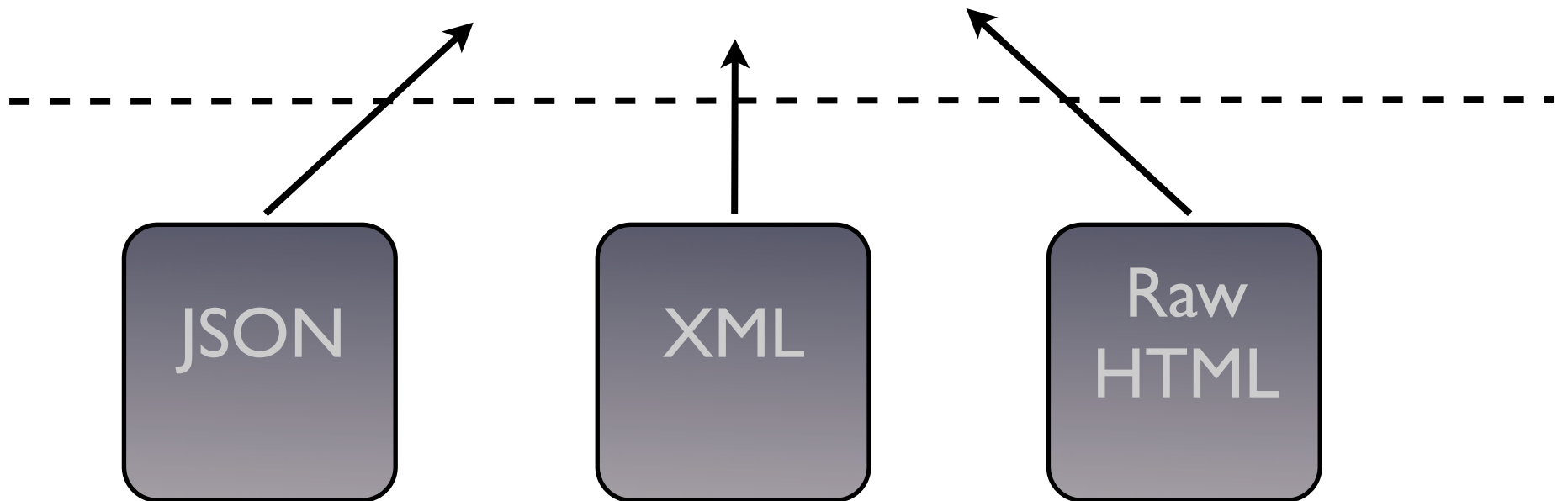
save changes

options »

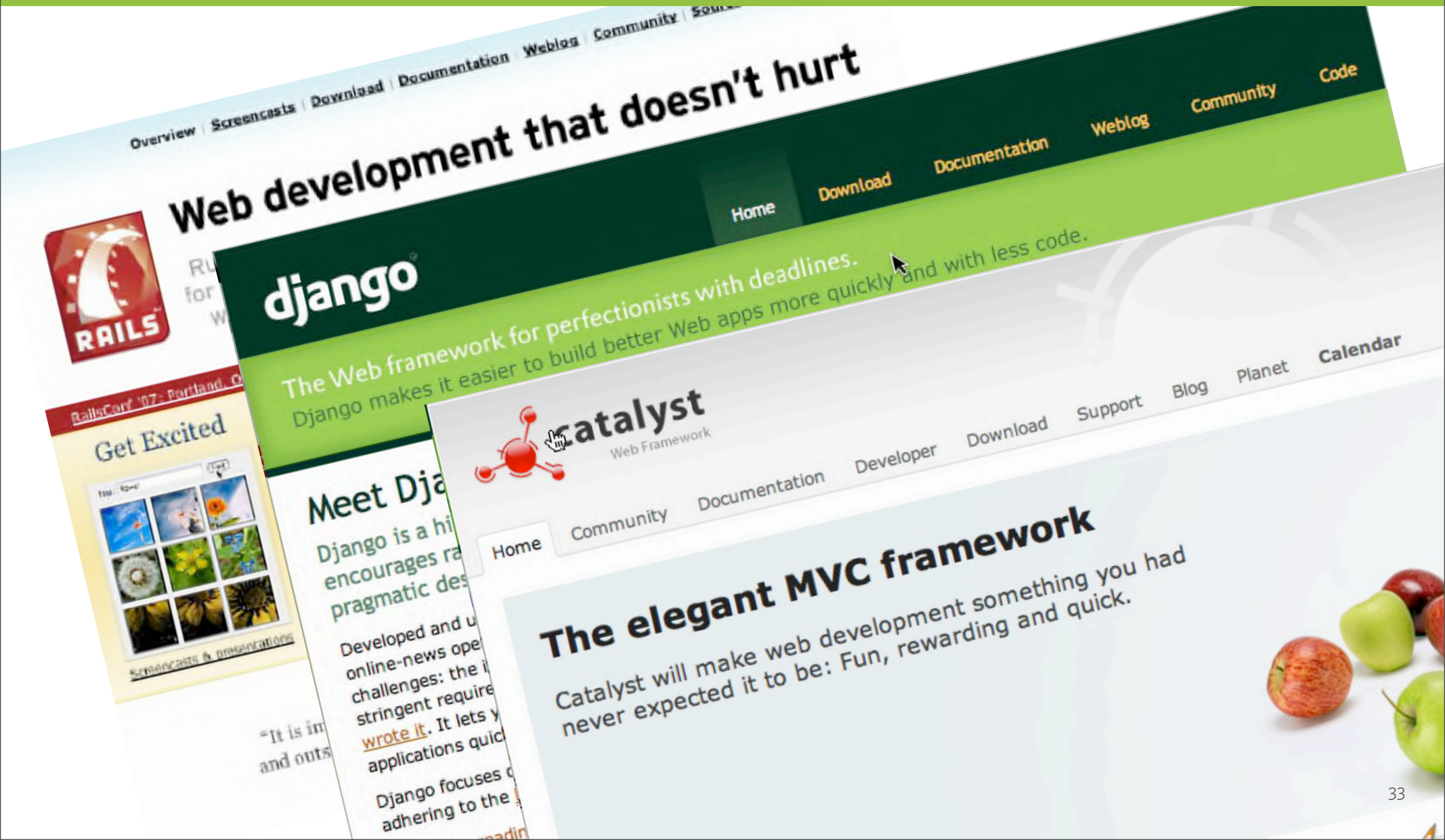
Timeline All Tags More

adaptations (4)
browsers (7)
commands (9)
community (6)
concepts (12)
examples (4)
features (36)
formatting (18)
functions (8)
history (3)
includeNew (1)
instructions (6)
issues (8)
macros (9)
mechanisms (1)
news (1)
options (9)
patterns (1)
systemConfig (2)
systemServer (12)
terminology (3)
tips (1)
tools (3)
translations (24)
troubleshooting (3)
welcome (3)

HTML + Javascript + Data



MVC Frameworks



Flash and Flex



| [Your Account](#) | [Contact](#) | [United States \(Change\)](#)

[SOLUTIONS](#) | [PRODUCTS](#) | [SUPPORT](#) | [COMMUNITIES](#) | [COMPANY](#) | [DOWNLOADS](#) | [STORE](#)

[SEARCH](#)

ADOBE FLASH CS3 PROFESSIONAL

[Design Premium](#) | [Design Standard](#) | [Web Premium](#) | [Web Standard](#) | [Production Premium](#) | [Master Collection](#)



CREATIVE LICENSE
Take as much as you want



Adobe Flex 2



rise data integration

support for disconnect

performance

reliability

inte

Rich Internet applications are the future. So check out Adobe® Flex 2™ software today.

Ready to go?

See for yourself with a free 30-day trial.

[get the trial](#)

Adobe Flex 2 is one of today's quickest, simplest, cleanest, most powerful tools for creating easily scalable rich Internet applications.

Need a little more convincing?

Before starting your trial download, get an instant Flex 2 education with the following:

- [Flex 2 coding video](#) — Walk through a coding project alongside a Flex 2 developer.
- [The Flex Online Compiler](#) — Compile and run MXML and ActionScript code; nothing to download or install.



OpenLaszlo

The screenshot displays the OpenLaszlo website interface. At the top, the OpenLaszlo logo is on the left, and the tagline "the premier open-source platform for rich internet applications" is on the right. A dark blue navigation bar contains links for Home, Platform, Download, Documentation, Community, Labs, Wiki, and Blog. Below the navigation bar, there is a search box with a "Go" button. To the left, a "QuickLinks" sidebar lists categories like Download, Learn, and Community with specific links. The main content area features a large banner for "OpenLaszlo 4" with the subtitle "OpenLaszlo for Multiple Runtimes". The banner image shows a road with text for various runtimes: Java ME, Opera, Firefox, Flash 9, Flash 8, Safari, and Explorer. Below the banner, a text block reads: "Tired of struggling with IE vs Firefox, DHTML vs Flash? Get involved today and help turn OpenLaszlo into your essential tool for web application development." with a "Learn More..." link. On the right side, there are several widget-like sections: "ClockBlox" with a clock face, "News" with a list of recent releases and events, and "Dev notes" with a link to "Open Laszlo 4.0.3 released".

OpenLaszlo

Components Sampler

Choose a style to change colors...

Style:

holiday cheer

- peace on earth
- joy to the world
- happy new year

housewares

isotope

etymology

whale bones

Insecticides Parcheesi Bogart, GA

On my honor I will do my best

- tension
- distance
- delerium
- froth
- persuasion

Trunk of the tree

I want to take a weekend flight

Also search airports within 70 miles

I prefer non-stop flights

Frosty the Snowman

Frosty the Snowman, was a jolly happy fellow
With a corncob pipe and a button nose
Frosty the Snowman, is a fairytale, told
He was made of snow, but the children
There must have been some magic in it
For when they placed it on his head,
Ohhhhhhh, Frosty, the Snowman, was
and the children say he could laugh and
just the same as you and me.

Thumpety thump, thump, thumpety thump
look at Frosty go.
Thumpety thump, thump, thumpety thump
over the hills of snow.

This is a sampler of the various widgets available in OpenLaszlo.

Runtime: Flash

Axure & Irise

axure software solutions

customer portal | blog | forum

home products downloads purchase

irise
VISUALIZE. IN HOURS. SELECT.

COMPANY PRODUCTS SOLUTIONS SERVICES CUSTOMERS ALLIANCES COMMUNITIES

Visualize Your Business

Innovative organizations use Irise to visualize business applications before they're built to accelerate delivery, cut costs, ensure global sourcing success and drive business value.

TRANSFORM BUSINESS

Top 3 Problems with Using PowerView or Visio for Application Design

- Difficulty engaging users and stakeholders
- Hard to demonstrate interactions

Solutions with Axure R...

- Excite the client and elicit feedback with interactive prototypes
- Demonstrate interactions without writing any code

Customer Success

M.D. Anderson
M.D. Anderson Accelerates Innovation in Fight to End Cancer - Irise simulation used to deliver online order entry application 50% faster

fusion
October 13-14, 2007
Las Vegas
Click for Details & Registration

More Success Stories View by

- IRISE TAKE A TOUR
- Application Definition WHITE PAPER
- IRISE Reader DOWNLOAD NOW

News at Irise

- July 16, 2007
Irise Now Simulates Rich Internet Applications
- July 1, 2007
"M.D. Anderson Gets Personal - and Pro"
- June 26, 2007
Irise Announces Fusion '07, the World's Largest Gathering of Application Simulation Experts
- June 25, 2007
Fuzze Uses Irise to Accelerate Launch of New Company

Conference Registration

Closing Thoughts

Thank you!

David Verba | Dir. of Technology

Adaptive Path

david@adaptivepath.com