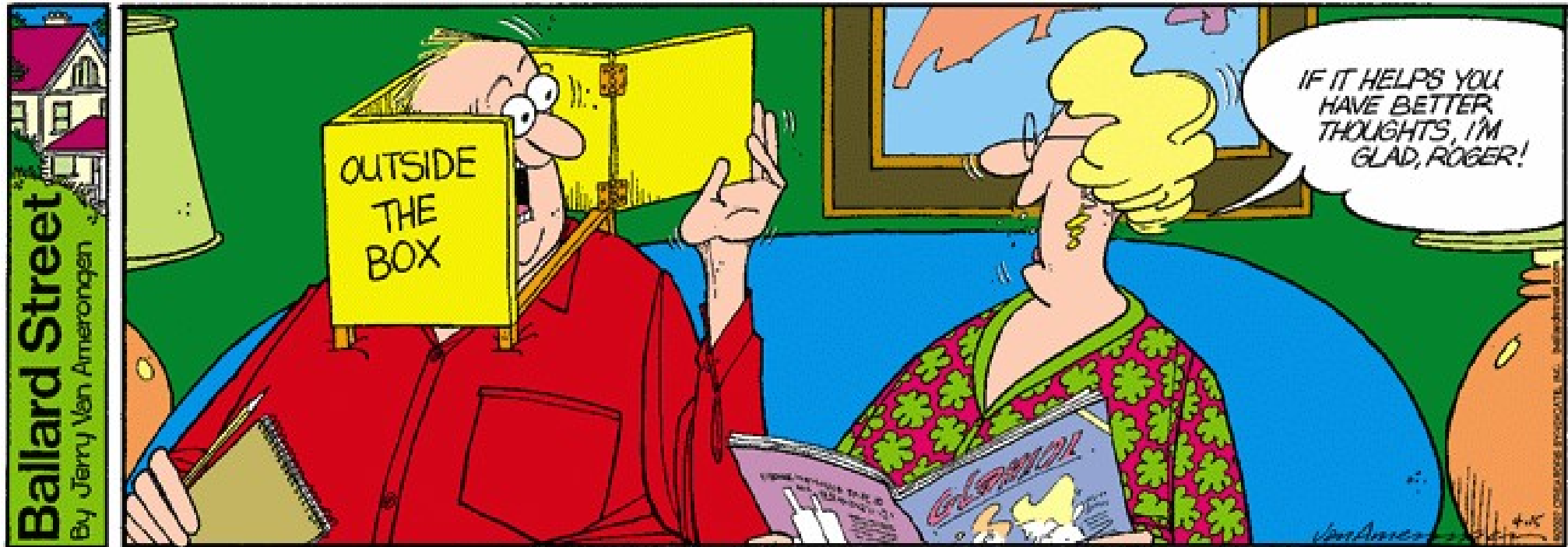


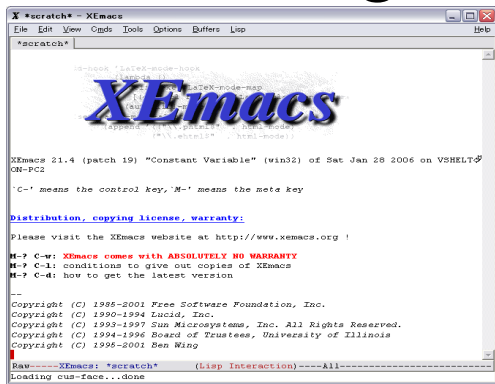
Why make widgets with web tech?



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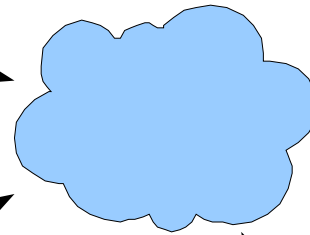
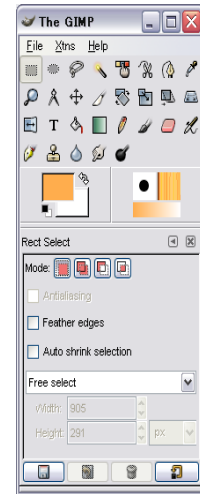
Why make widgets with web tech?

- Have you thought about that the **tools** used in making web apps evolved separately?



emacs

the gimp
(or photoshop if you're おしやれ)



firebug



*Apache
mysql
ruby
php
etc*

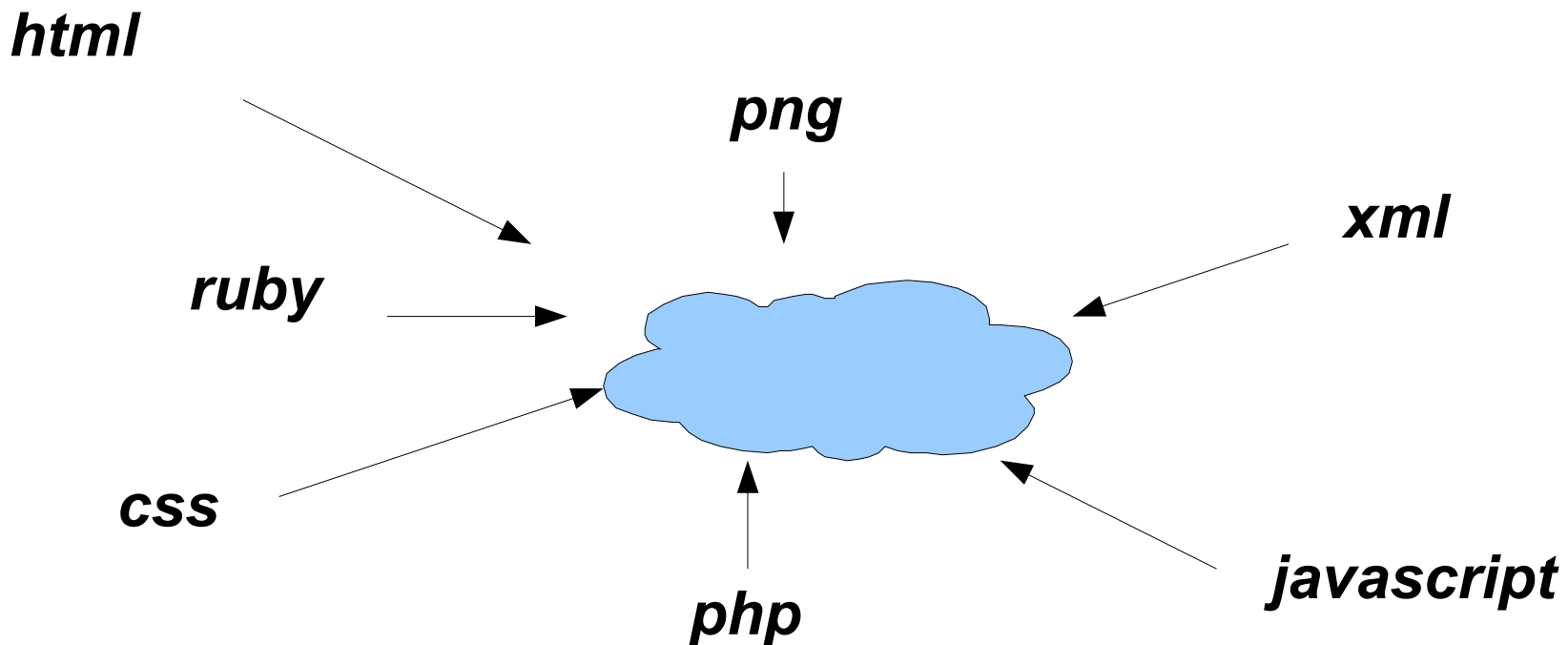


web browser



Why make widgets with web tech?

- Have you thought about that the **formats** used in making web apps evolved haphazardly?



***We just figured out how they
could be used to create apps...***

I think that's really cool.

Why make widgets with web tech?

Meanwhile...

- Tech wars:
 - Adobe Flash/Flex
 - Java Applets/JavaFx
 - Microsoft ActiveX/Silverlight
 - Mac/Windows/Linux/Brew/Symbian/MIDP/DoJa...
 - *Etc...*

Why make widgets with web tech?

You have to choose

what technology to implement your applications in

Why make widgets with web tech?

Web technology, *as an application platform,*
has already won![™]



Why make widgets with web tech?

- Web tech...
 - Is not controlled by a single party
 - Is not designed as the solution to everything from the start (cf Java, .Net)
 - Has evolved by user demand!

Is that why web apps are so fun to code?

I think so!

Why make widgets with web tech?

How to convince your boss...

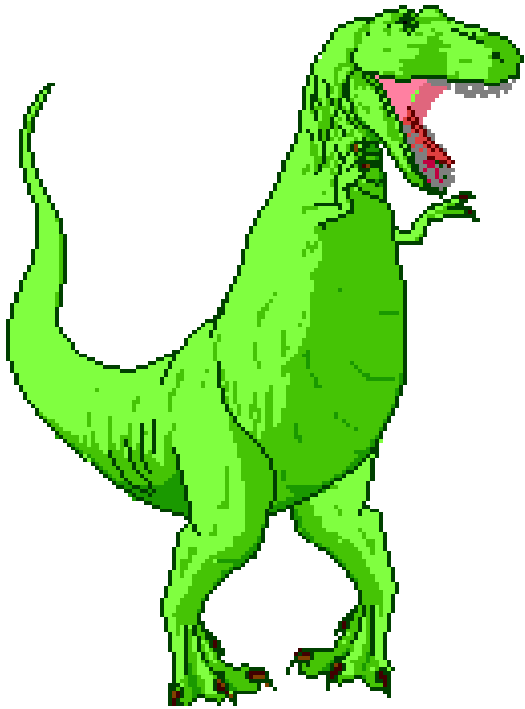
- You don't have to invest in new, expensive development tools
- You already have all these snippets of code written in html & javascript
- You already have the knowledge in your organization (probably)



But what does this
have to do with
Opera Widgets?

Web tech
is cool!

Opera Widgetsとは



An Opera Widget is a web page

- In an undecorated window
 - No address bar, toolbar, title, frame, etc...
- Allowed to connect to any server using XMLHttpRequest

And some less technical issues...

Opera Widgetsとは

- **Interface guidelines** (for uploading to widgets.opera.com)
- “Application feel”
 - Smaller window
 - “Wizard” style input, not big web forms
 - No scrolling – including vertical
- *Lots of cool web 2.0 tech!*
 - AJAX, canvas, opacity, animations, highlights/shadows/reflections/**pastel colors!**

Opera Widgetsとは

- Creating an Opera Widget is simple!
 - index.html
 - config.xml
 - *css, javascript, images, etc*
 - zipped up
 - served as application/x-opera-widgets

config.xml

```
<?xml version="1.0" encoding="utf-8"?>
<widget>
  <widgetname>Tenki</widgetname>
  <description>The weather.</description>
  <width>270</width>
  <height>250</height>
  <icon>partlycloudy.png</icon>
  <author>
    <name>Henrik Falck</name>
    <link>http://henrikfalck.com/</link>
  </author>
  <id>
    <host>henrikfalck.com</host>
    <name>tenki</name>
    <revised>2007-05-15</revised>
  </id>
</widget>
```



widget object

provides local storage of data

```
interface Widget {  
    void    openURL(String URL);  
    String preferenceForKey(String key);  
    void    setPreferenceForKey(String value, String key);  
}
```

```
widget.setPreferenceForKey("bar", "foo");  
var bar = widget.preferenceForKey("foo");
```

