Technologies

OpenLayers 2.11
  http://openlayers.org/

Prototype 1.7
  http://www.prototypejs.org/

Rails UJS for Prototype
  http://github.com/rails/prototype-ujs

What's going on?

rails.js
```
 document.on("click", "form input...) {
   // register the pressed submit button
   event.findElement('form').
     store('rails:submit-button',
       button.name || false);
   });
```

What's going on?

prototype.js

```
function findElement(ev, exp) {
  var element = Event.element(ev);
  if (!exp) return element;
  while (element) {
    if (Object.isElement(element) &&
      Prototype.Selector.match(element,
        exp)) {
```

What's going on?

prototype.js

```
ATTR: function(elem, match){
   var name = match[1],
   result = Expr.attrHandle[name] ?
     Expr.attrHandle[name](elem) :
     elem[name] != null ?
       elem[name] : elem.getAttribute(name),
```

Null and Undefined

Firefox, Chrome

`foo.bar == null`	`true`
`foo.bar === null`	`false`
`foo.bar === undefined`	`true`
`typeof foo.bar`	"undefined"

Null and Undefined

IE ActiveX DOM Element

`foo.bar == null`	`Exception`
`foo.bar === null`	`Exception`
`foo.bar === undefined`	`Exception`
`typeof foo.bar`	"unknown"

Solution?

prototype.js

```
...
// Ignore IE ActiveX elements
if (Object.isElement(element) &&
   !element['tagUrn'] &&
   Prototype.Selector.match(element,
     expression)) {
...
```
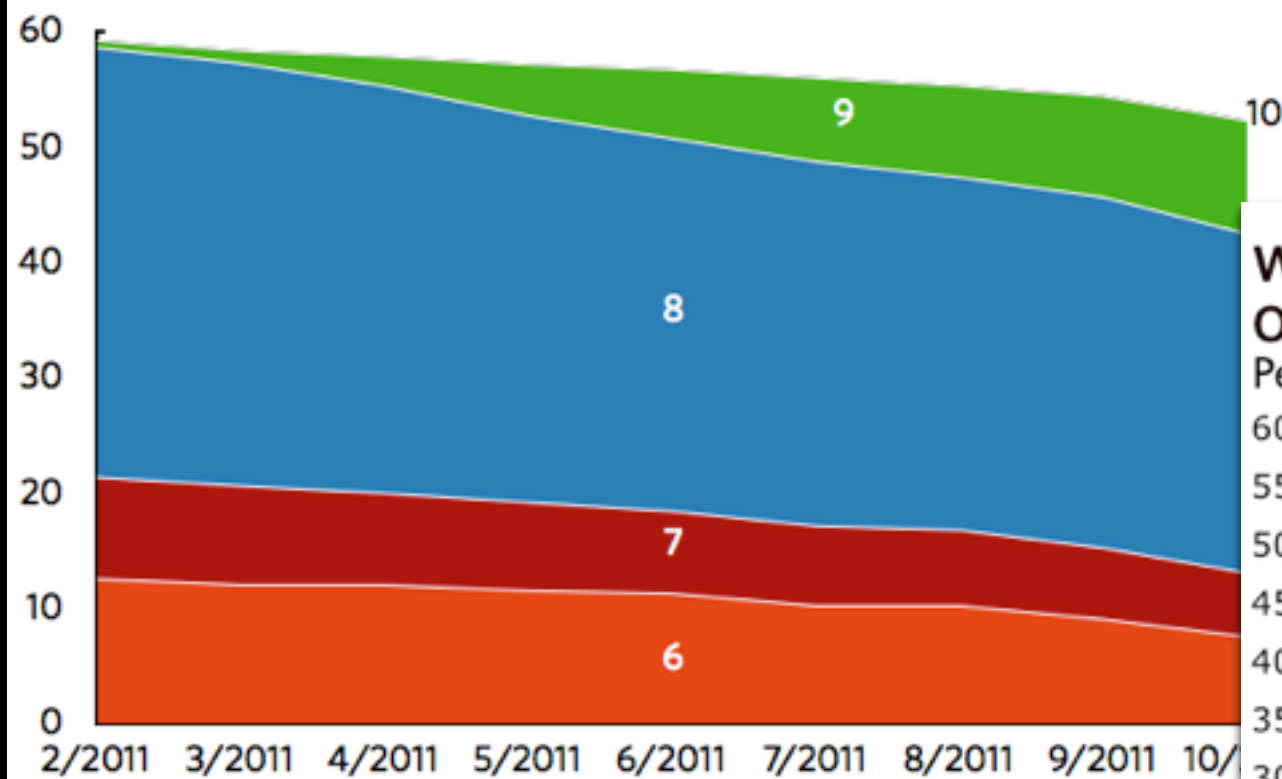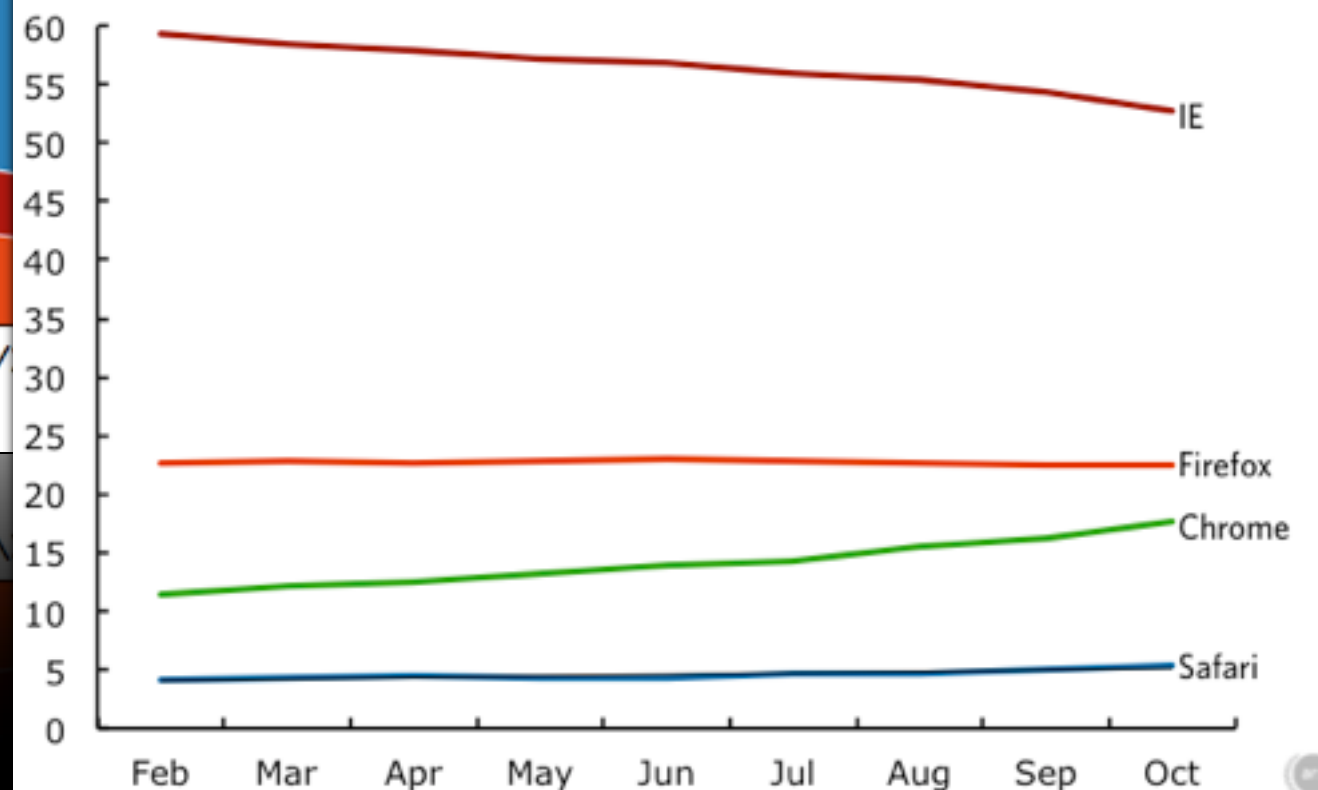
Increasingly Irrelevant?

Internet Explorer version adoption — Percent

Worldwide desktop browser market share: February–October 2011 — Percent

Links

Three Common mistakes in Javascript/EcmaScript
  http://weblogs.asp.net/bleroy/archive/
  2005/02/15/Three-common-mistakes-in-
  JavaScript-_2F00_-EcmaScript.aspx

What is the Typeof "Unknown"?
  http://robertnyman.com/2005/12/21/what-is-
  typeof-unknown/