

Usabilidade

GOI

Ajax

Ajax

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1. WEB 2.0
2. XMLHttpRequest
3. COMO FUNCIONA.
4. USABILIDADE.
5. EXEMPLOS.
6. CONCLUSÃO.



Ajax

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Ajax

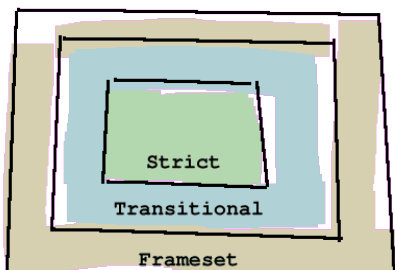
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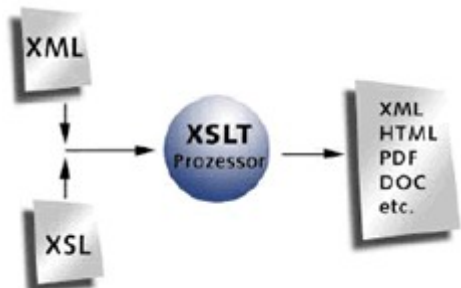


Apresentação com XHTML e CSS



XMLHttpRequest na comunicação assíncrona

Trocando dados
e manipulando
com XML e XSLT



Interação
com DOM

```
trend.html
<> html
  <> head
  <> body
    <> h1
      Text: Kyselylomake
    <> h2
    <> form
      <> fieldset
        <> legend
        <> label
        <> p
        <> label
        <> p
      <> fieldset
        <> legend
        <> fieldset
        <> fieldset
        / input
```

Tudo temperado com javascript

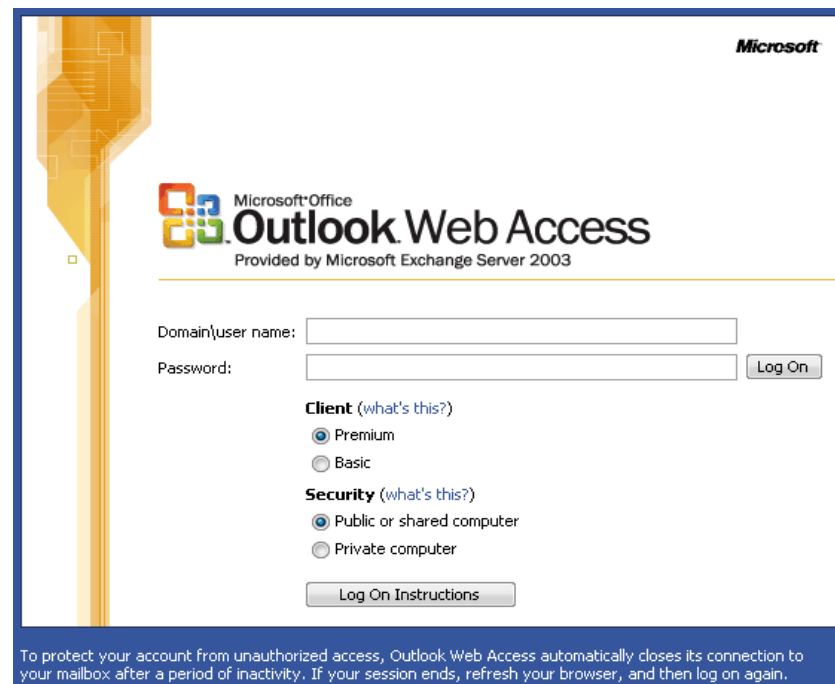
Ajax

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XMLHttpRequest foi criado pela MS para o Outlook Web Access como objeto ActiveX e incorporado aos padrões do W3C.



The screenshot shows the Microsoft Office Outlook Web Access login interface. It features a Microsoft logo in the top right corner. The main heading is "Microsoft Office Outlook Web Access" with the subtitle "Provided by Microsoft Exchange Server 2003". Below this, there are input fields for "Domain\user name:" and "Password:", followed by a "Log On" button. Underneath, there are radio button options for "Client" (Premium and Basic) and "Security" (Public or shared computer and Private computer). A "Log On Instructions" button is located at the bottom of the form. A footer note at the bottom of the page states: "To protect your account from unauthorized access, Outlook Web Access automatically closes its connection to your mailbox after a period of inactivity. If your session ends, refresh your browser, and then log on again."

"Asynchronous JavaScript + XML"

Ajax

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```
new XMLHttpRequest();
new ActiveXObject("Msxml2.XMLHTTP");
new ActiveXObject("Msxml2.XMLHTTP.3.0");
new ActiveXObject("Microsoft.XMLHTTP");

if(window.XMLHttpRequest){
    request = new XMLHttpRequest();
}else {
    if(window.ActiveXObject){
        request = new ActiveXObject("Microsoft.XMLHTTP");
    }else{
        request = new ActiveXObject("Msxml2.XMLHTTP");
    }
}
```

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```
var theUrl = "sead.do?page=AjaxXML";
request.onreadystatechange = {
  if(request.readyState == 4){
    if(request.status == 200){
      var ajaxResponse = request.responseXML;
      //MANIPULA O XML
    }
    if(request.status == 404){
      //PROCESSA ERRO
    }
    ...
  }
};
request.open("POST", theUrl, true);
request.send(null);
```

ReadyState

0 – Uninitiated

1 – Loading

2 – Loaded

3 – Interactive

4 – Complete

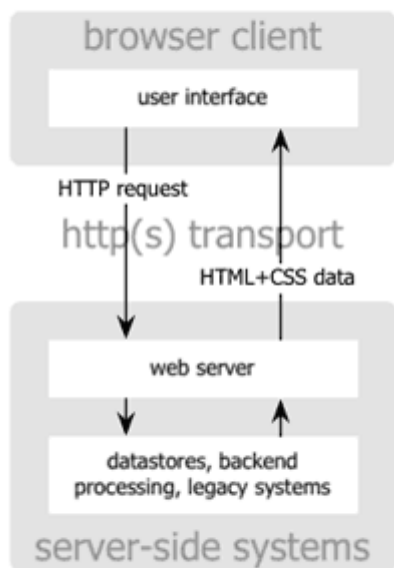
Ajax

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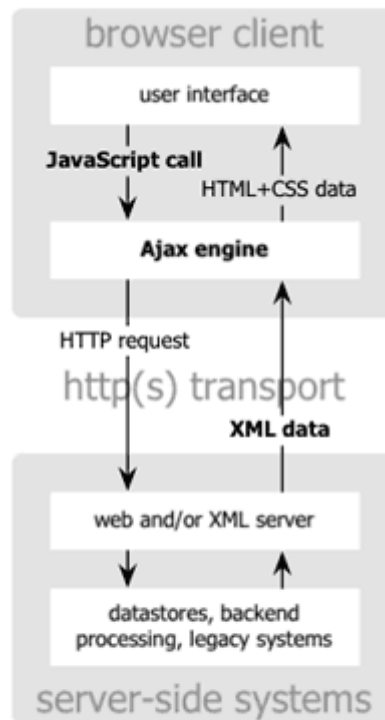


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Controle do fluxo de navegação da aplicação é feito no lado servidor.



classic web application model



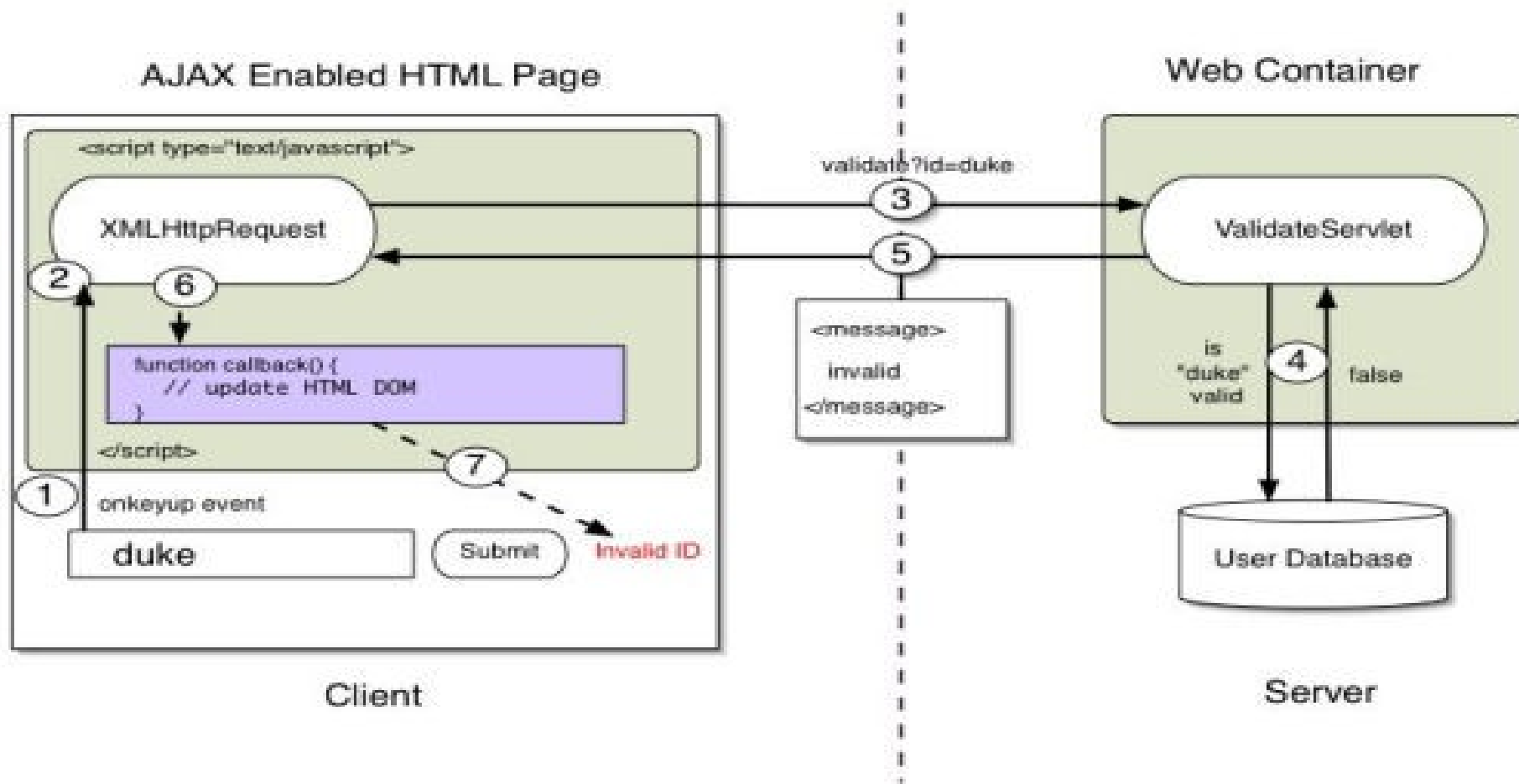
Ajax web application model

Com Ajax, transferimos o controle de fluxo de navegação para o Browser.

Ajax

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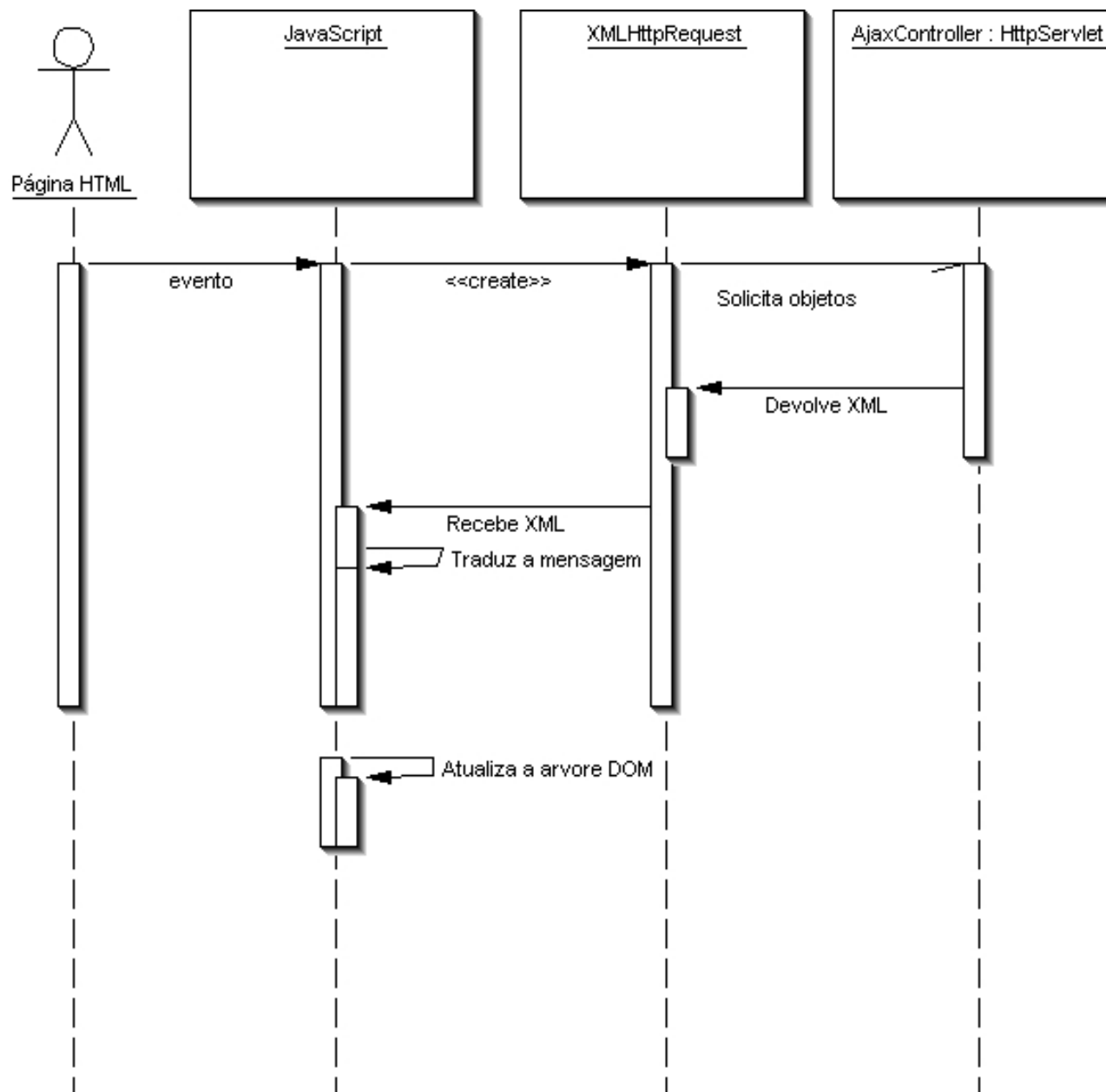
O servidor passa a fornecer dados e não conteúdo.
O controle de apresentação é definido no Browser

Ajax

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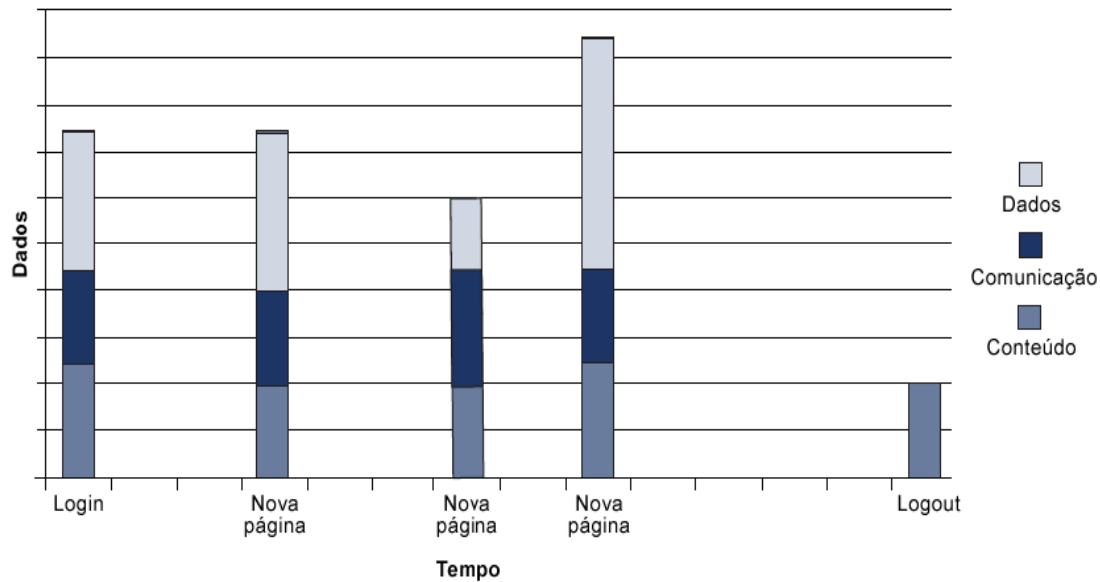


Ajax

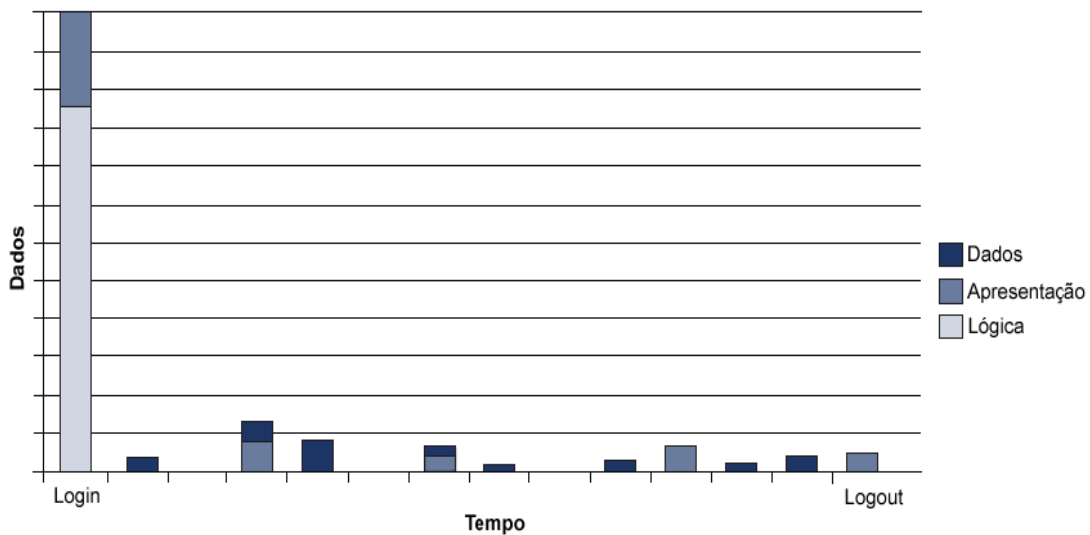
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Modelo Tradicional.



Modelo Ajax.

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Interação com submissão de formulários.

Auto-completar.

Efeitos como Fade, Colapse, etc...

Slider

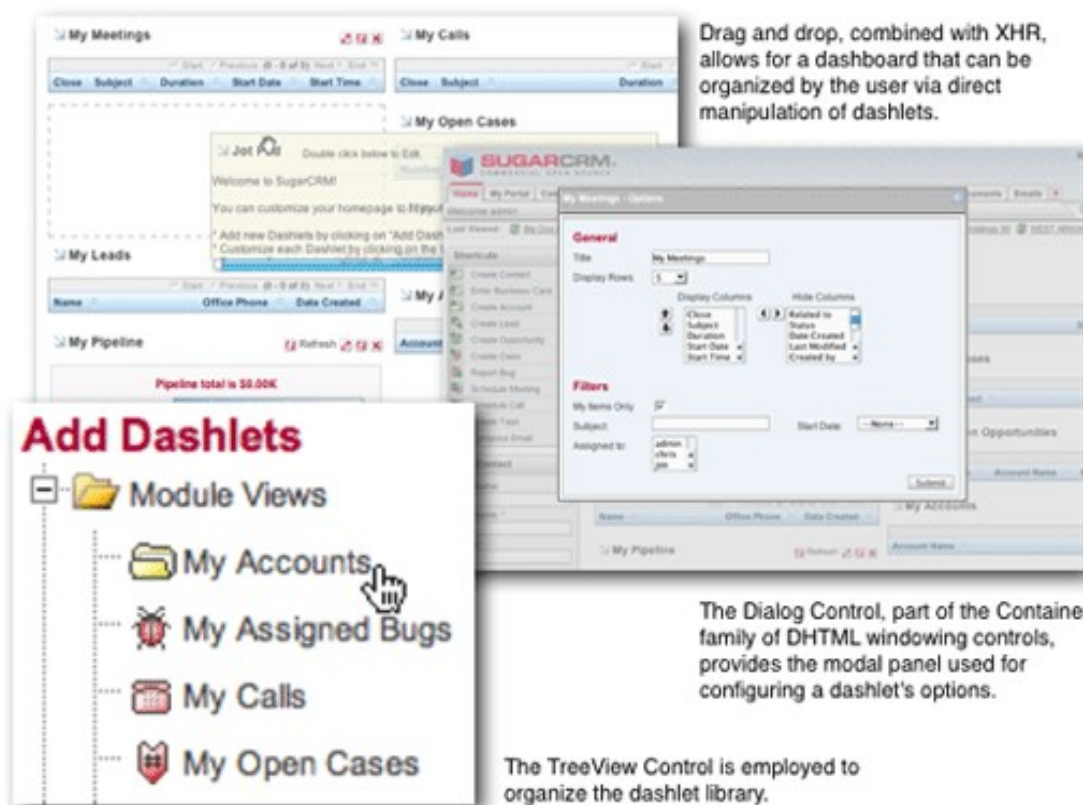
Menus dinâmicos

TreeView

Modal

Upload sem refresh

...



Drag and drop, combined with XHR, allows for a dashboard that can be organized by the user via direct manipulation of dashlets.

The Dialog Control, part of the Container family of DHTML windowing controls, provides the modal panel used for configuring a dashlet's options.

The TreeView Control is employed to organize the dashlet library.

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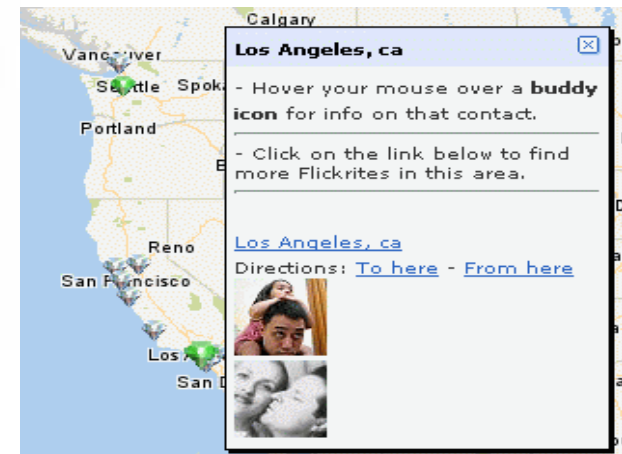


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Mashup

Combinação de conteúdo de mais de uma fonte



Ajax

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Calendar edit x

Weather edit x

Stock Portfolios edit x

Quotes Edit

U.S. Markets closed

Get Quotes

Symbol Lookup

Providers - Disclaimer

Quotes are delayed 20 minutes.

Get Streaming Real-Time Play

* = news in the last 24hrs

Refine Results

Price Up to: \$1375

Narrow By Brand:

- Canon
- Sony
- Nikon
- Olympus
- Kodak
- Fujifilm
- Casio
- Panasonic
- HP
- Minolta

141 Products Found

Sort by: Top Results | Highest Price | Lowest Price COMPARE PRODUCTS

Sony Cyber-Shot DSC-H1 Digital Camera

★★★★★ 153 USER RATINGS

Megapixels: 5.1 Megapixels
LCD Screen Size: 2.5 in
Optical Zoom: 12 X

Save for Later \$284.99 - \$499.00 in 26 stores COMPARE PRICES

Canon PowerShot S2 IS Digital Camera

★★★★★ 125 USER RATINGS

Megapixels: 5 Megapixels
LCD Screen Size: 1.8 in
Optical Zoom: 12 X

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Efeitos

I Map Send to Phone Live Traffic

Play

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