



Festival Latinoamericano de Instalación  
de Software Libre

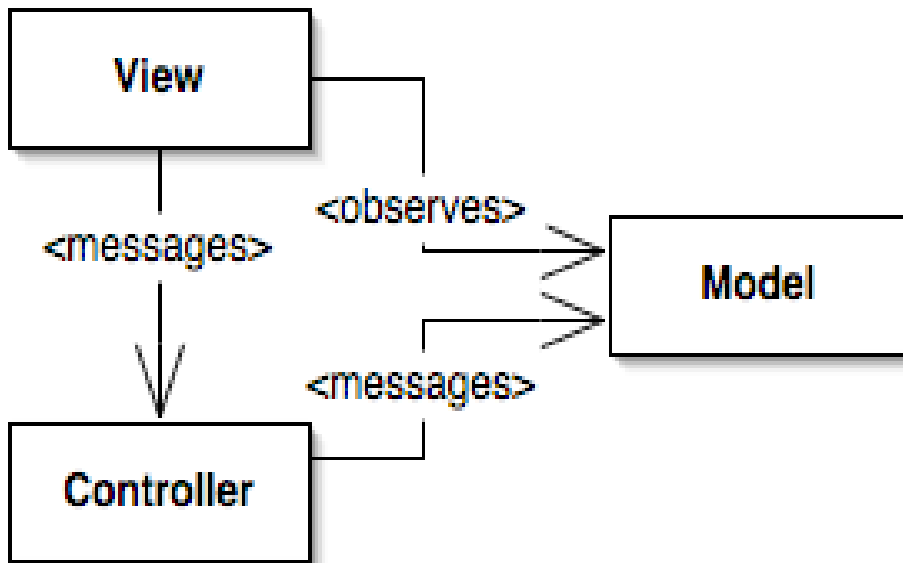


# **Evolução dos FRAMEWORKS WEB** **Retorno ao MVC original!**

Christiano Milfont



## MVC Original

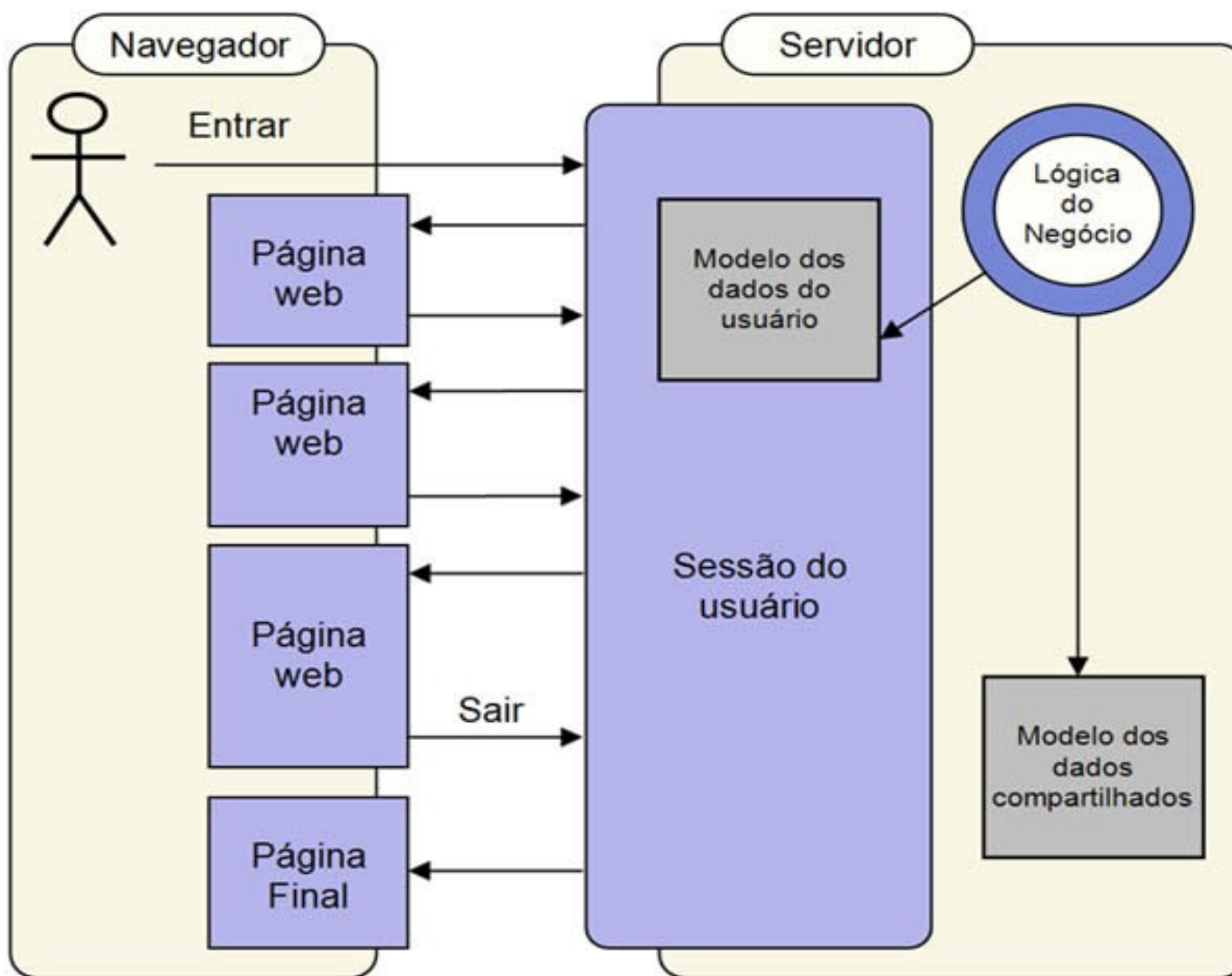


... a visão observa o comportamento do modelo para renderizar a interface ...

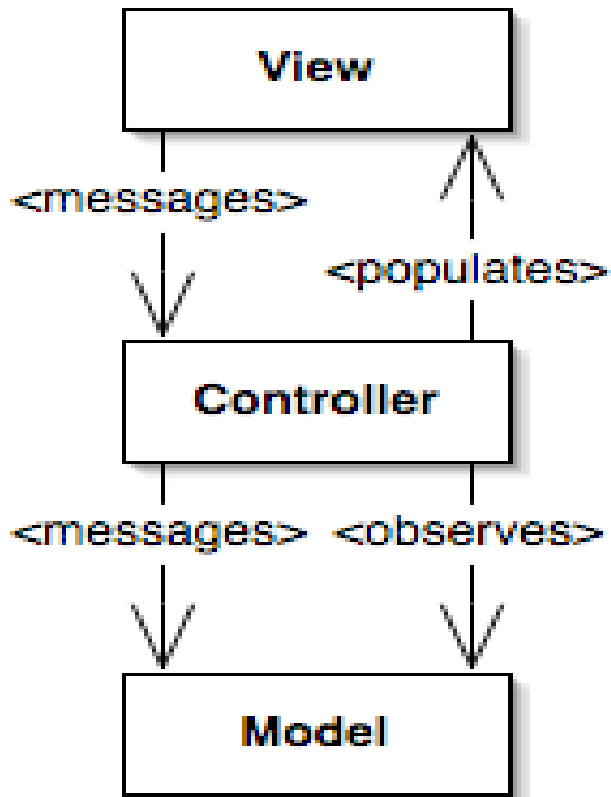
... o controlador responde a eventos e solicita modificações no modelo ...

... o modelo gerencia a lógica de negócios e fornece API de acesso.

# Migração para web ...



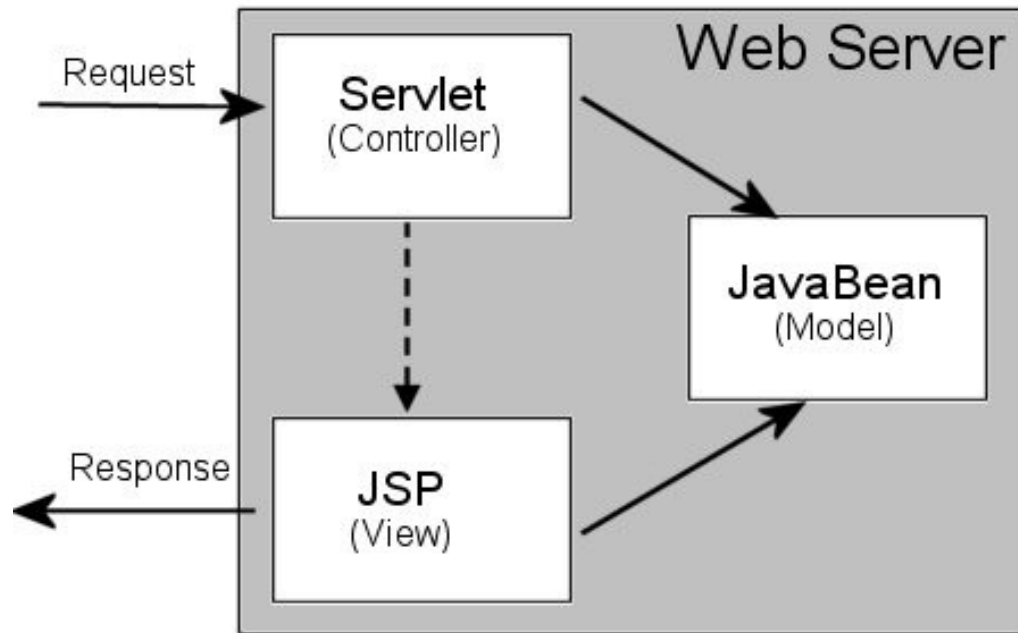
## MVC Model 2



... a visão não enxerga o comportamento do modelo ...

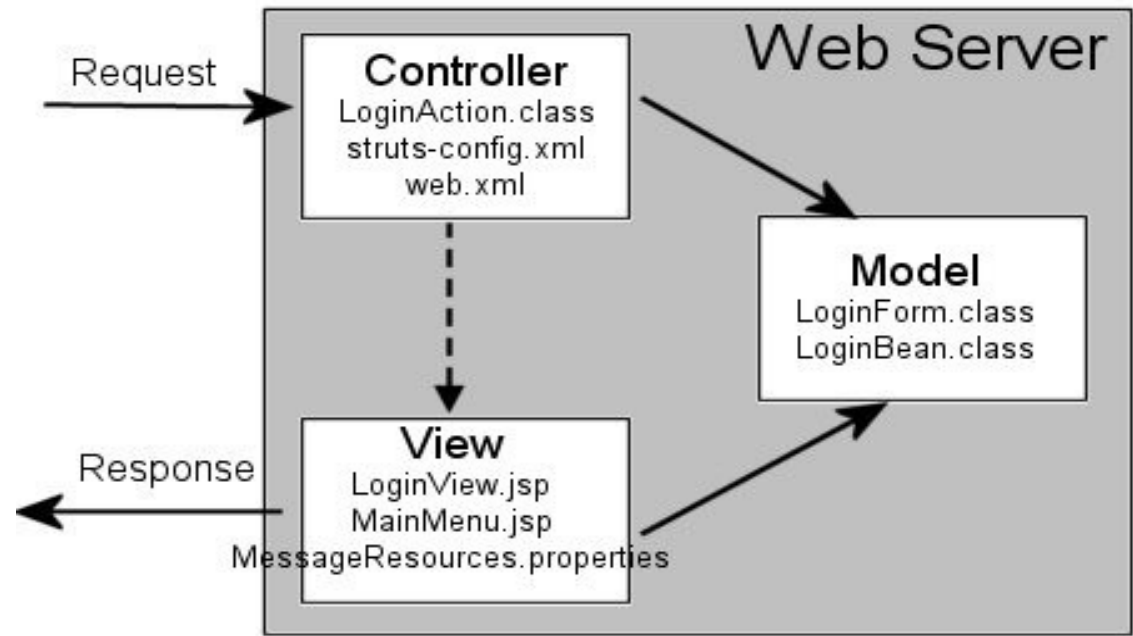
... o controlador assume parcialmente a renderização da visão ...

... o modelo gerencia a lógica de negócios e fornece API de acesso.

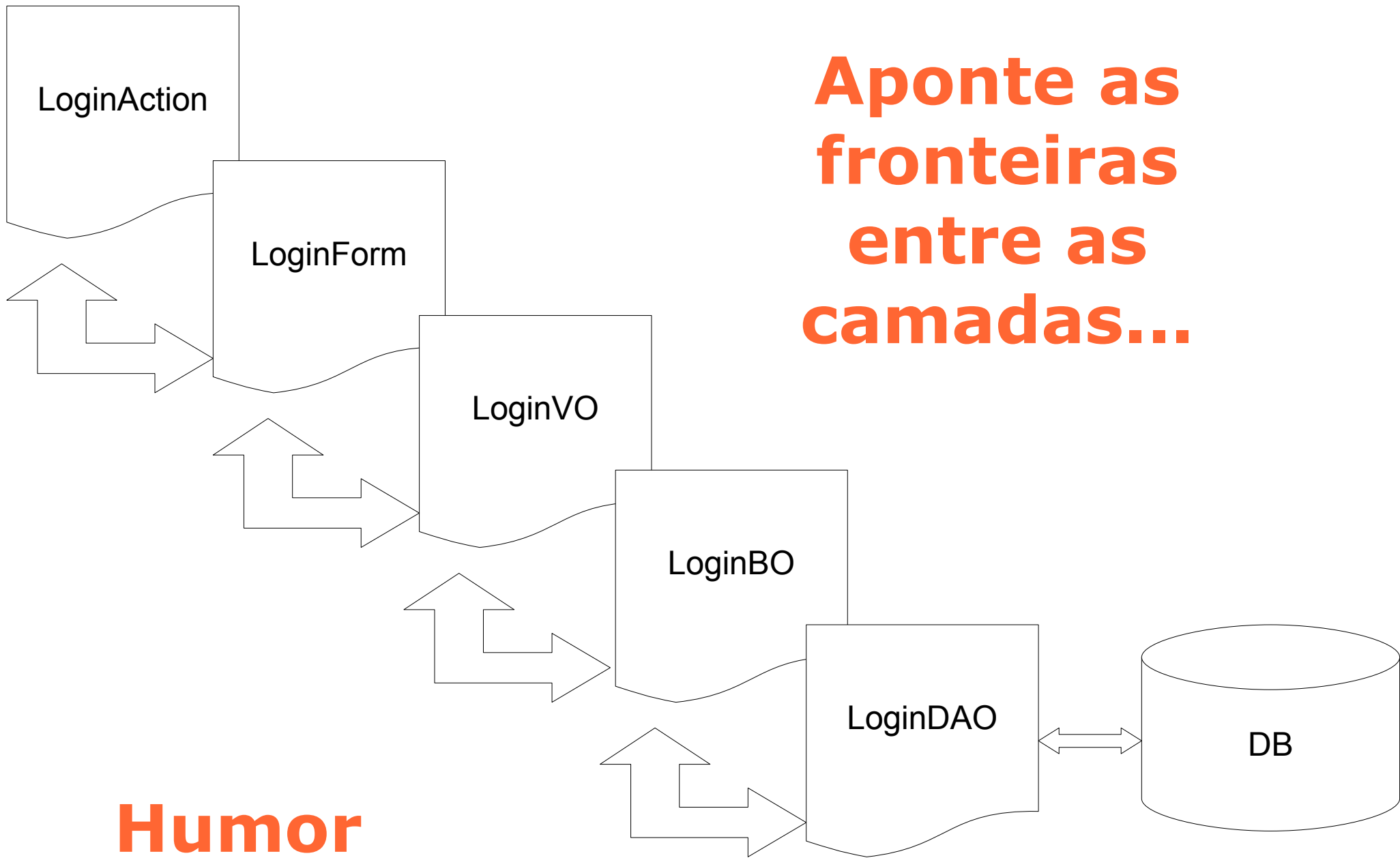


**Struts ...**

**Se aplica a  
WebWorks  
Mentawai  
SpringFlow  
JSF ...**



**Aponte as  
fronteiras  
entre as  
camadas...**



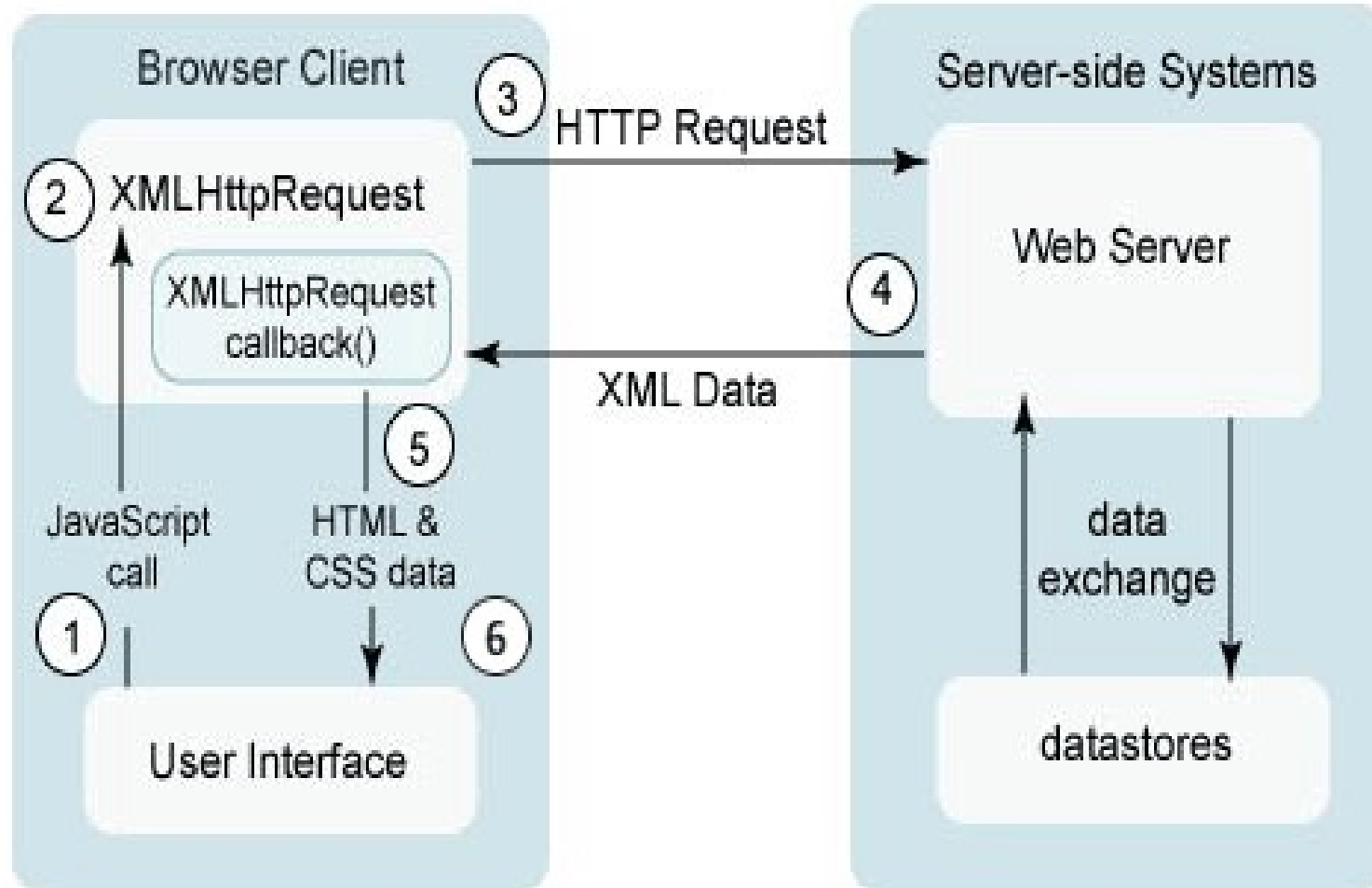
**Humor  
:(**

# Ajax [Hype Vs Reality] ...

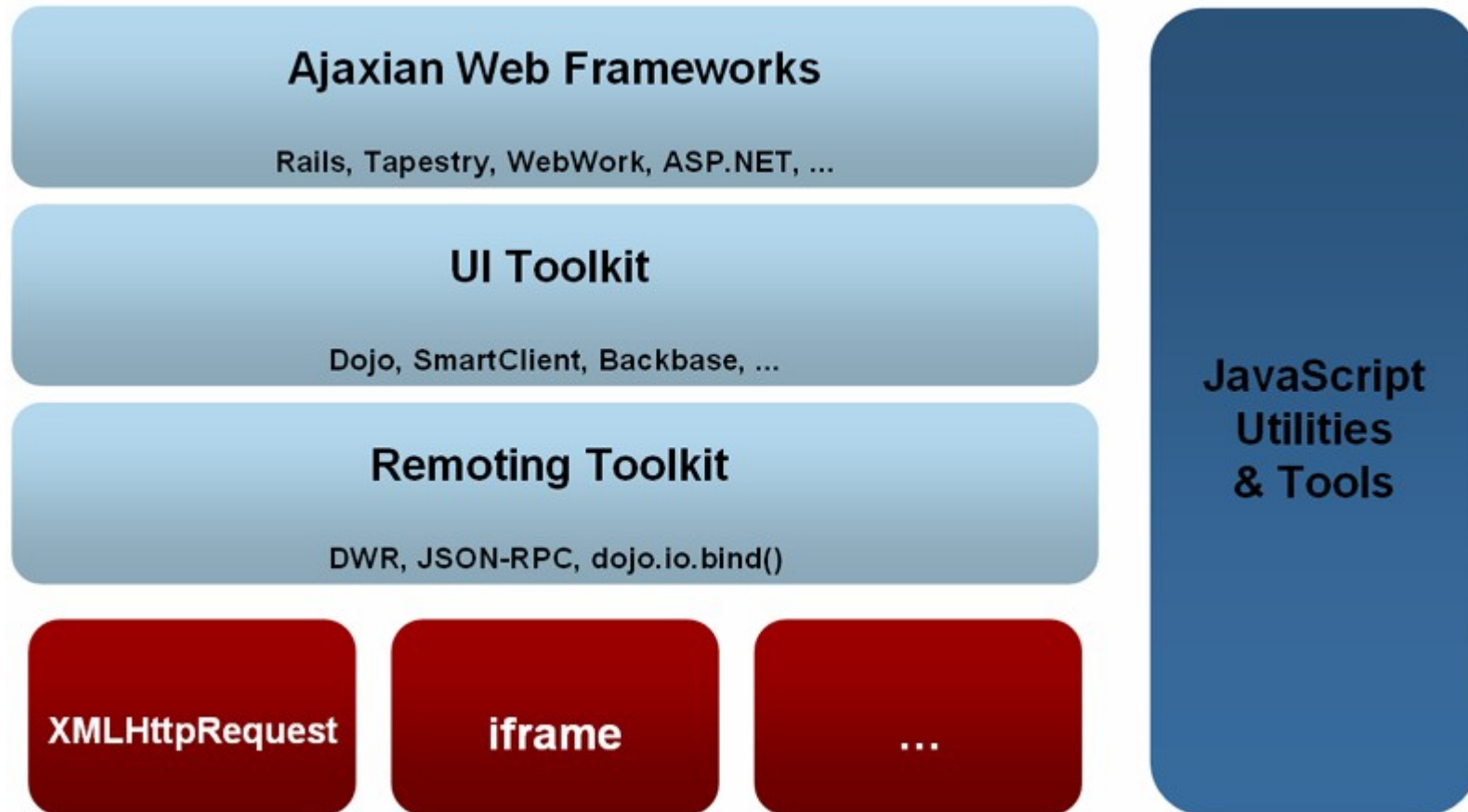
Drag and drop, combined with XHR, allows for a dashboard that can be organized by the user via direct manipulation of dashlets.

The image shows a screenshot of the SugarCRM dashboard. The dashboard contains several dashlets: 'My Meetings', 'My Calls', 'My Open Cases', 'My Leads', and 'My Pipeline'. A 'Welcome to SugarCRM' message is displayed, along with instructions on how to customize the homepage. A 'Settings - Options' dialog box is open, showing configuration options for the 'My Meetings' dashlet, including display rows, columns, and filters. An 'Add Dashlets' overlay is positioned in the foreground, listing 'Module Views' and several dashlets: 'My Accounts', 'My Assigned Bugs', 'My Calls', and 'My Open Cases'. A mouse cursor is hovering over 'My Assigned Bugs'. Below the dashboard, an 'Advanced Search' section is visible, featuring search criteria for Date, Author, Subject, and Message Body, along with a calendar for June 2006 and a search button.

# Ajax trabalhando ...



# Camadas...



## Javascript Multipurpose Frameworks...



## Javascript Remoting Frameworks...



## Javascript Specialised Frameworks...

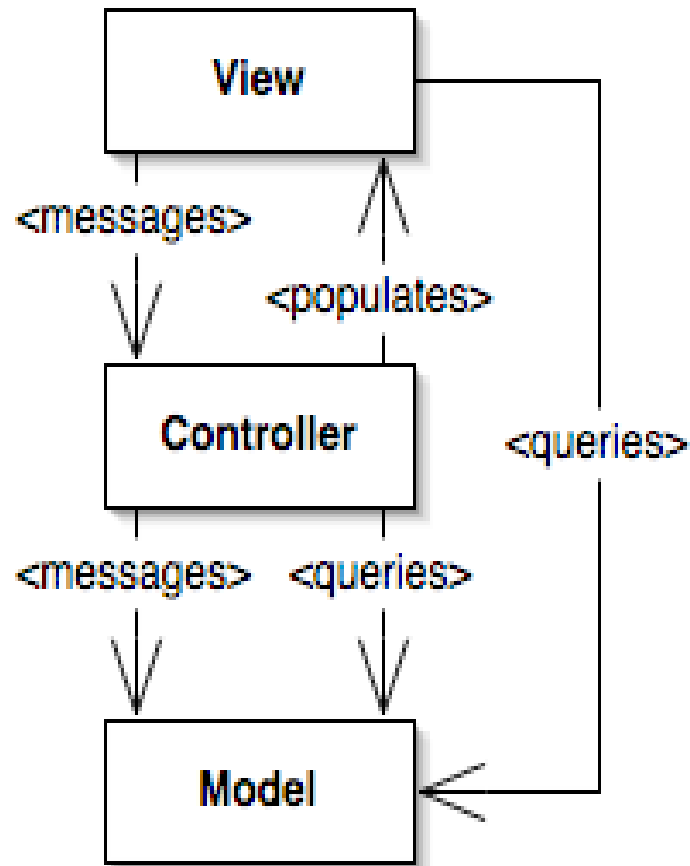


JavaScript framework



# Back to the future...

## MVC Model 3?



... a visão escuta respostas do modelo ...

... o controlador devolve responsabilidades da visão...

... o modelo gerencia a lógica de negócios e fornece API de acesso.

# Estratégias Javascript...

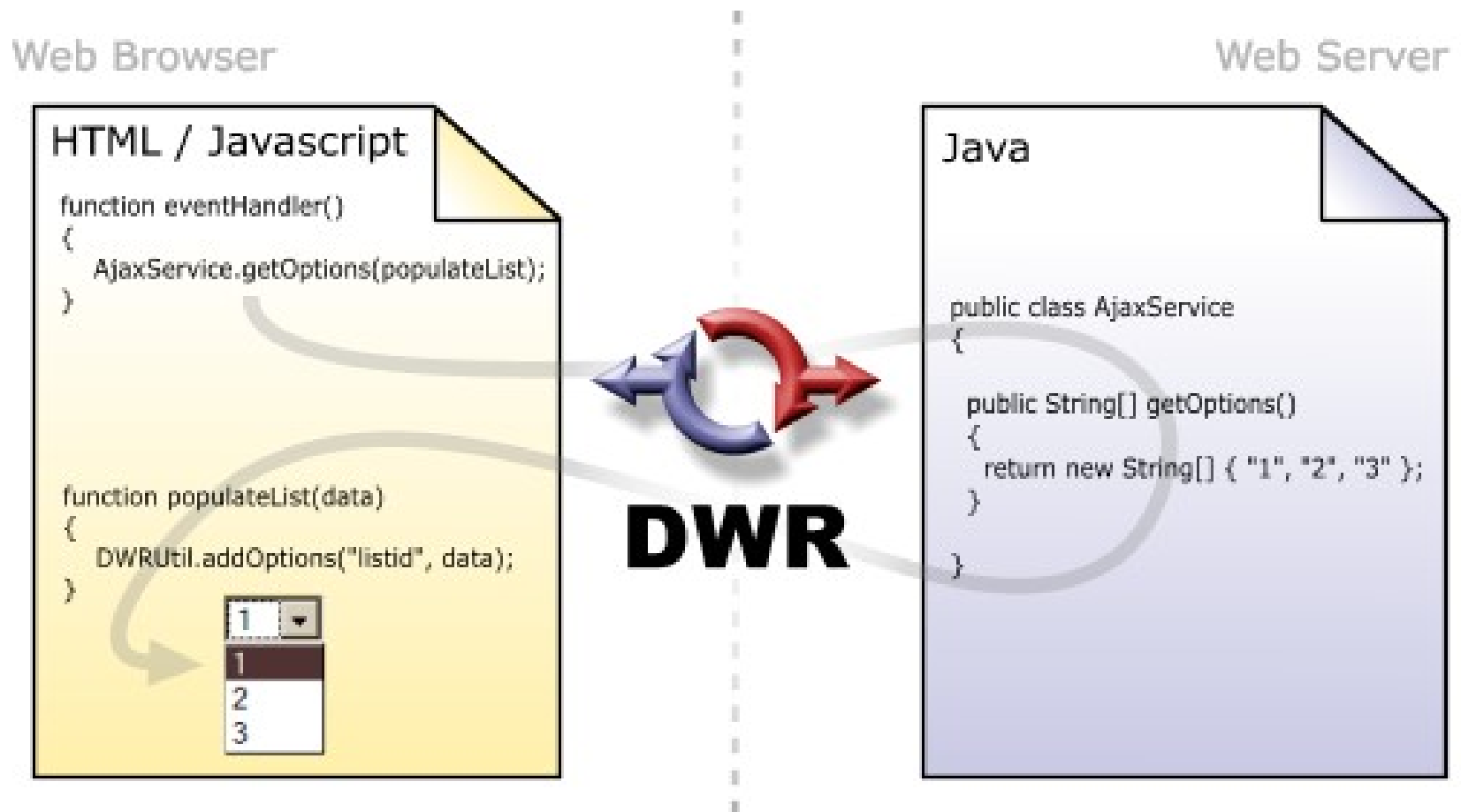
```
function Publisher() { this.subscribers = []; }
Publisher.prototype.deliver = function(data, thisObj) {
  var scope = thisObj || window;
  this.subscribers.forEach(
    function(el) { el.call(scope, data);}
  );
};
Function.prototype.subscribe = function(publisher) {
  var that = this;
  var alreadyExists = publisher.subscribers.some(
    function(el) {
      if ( el === that ) { return; }
    }
  );
  if ( !alreadyExists ) {
    publisher.subscribers.push(this);
  }
  return this;
};
Function.prototype.unsubscribe = function(publisher) {
  var that = this;
  publisher.subscribers = publisher.subscribers.filter(
    function(el) {
      if ( el !== that ) { return el; }
    }
  );
  return this;
};
```

... Observers ...

... Custom Events ...

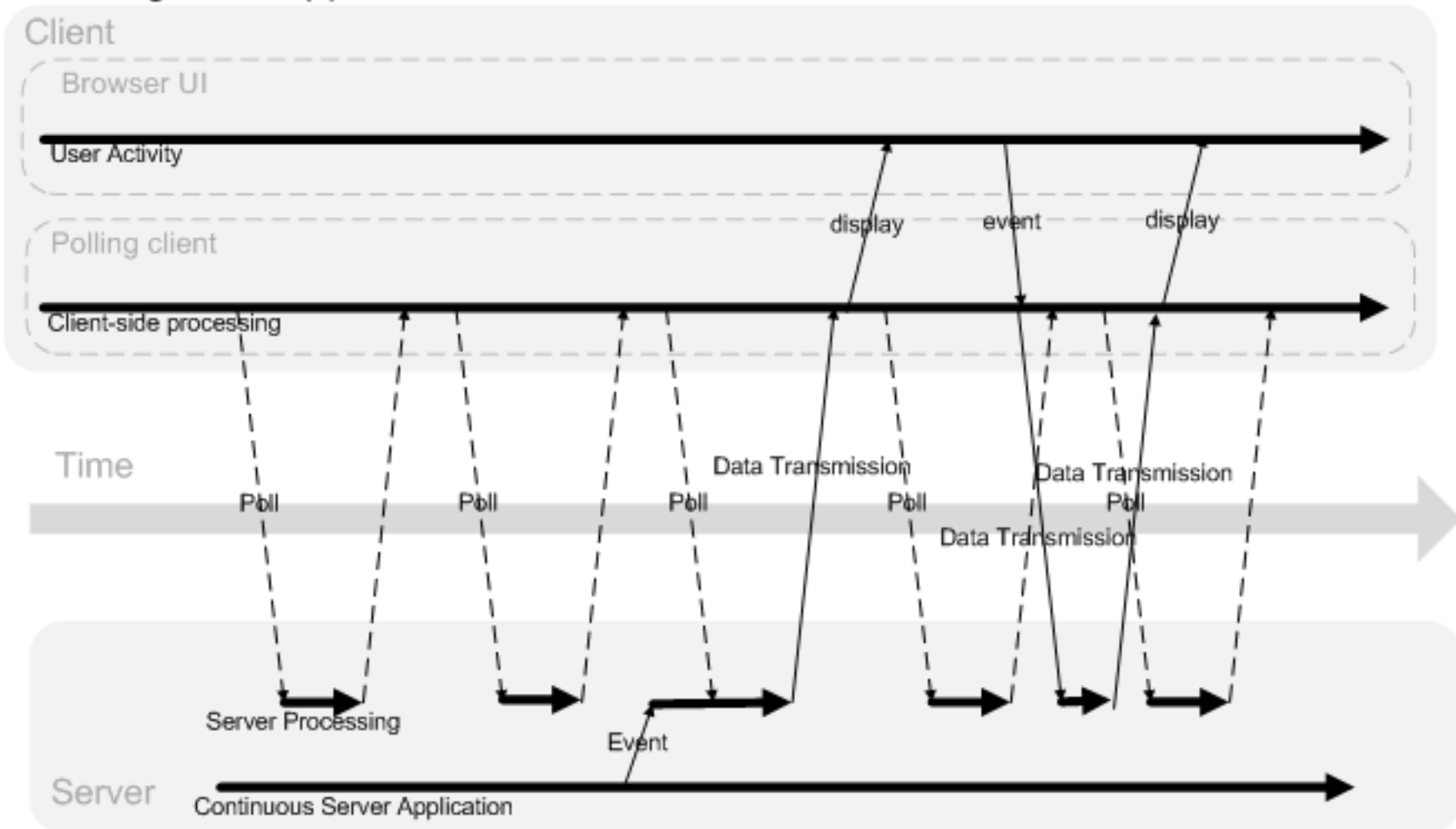
... Orientação a objetos.

# JSON Bind e Marshaling...



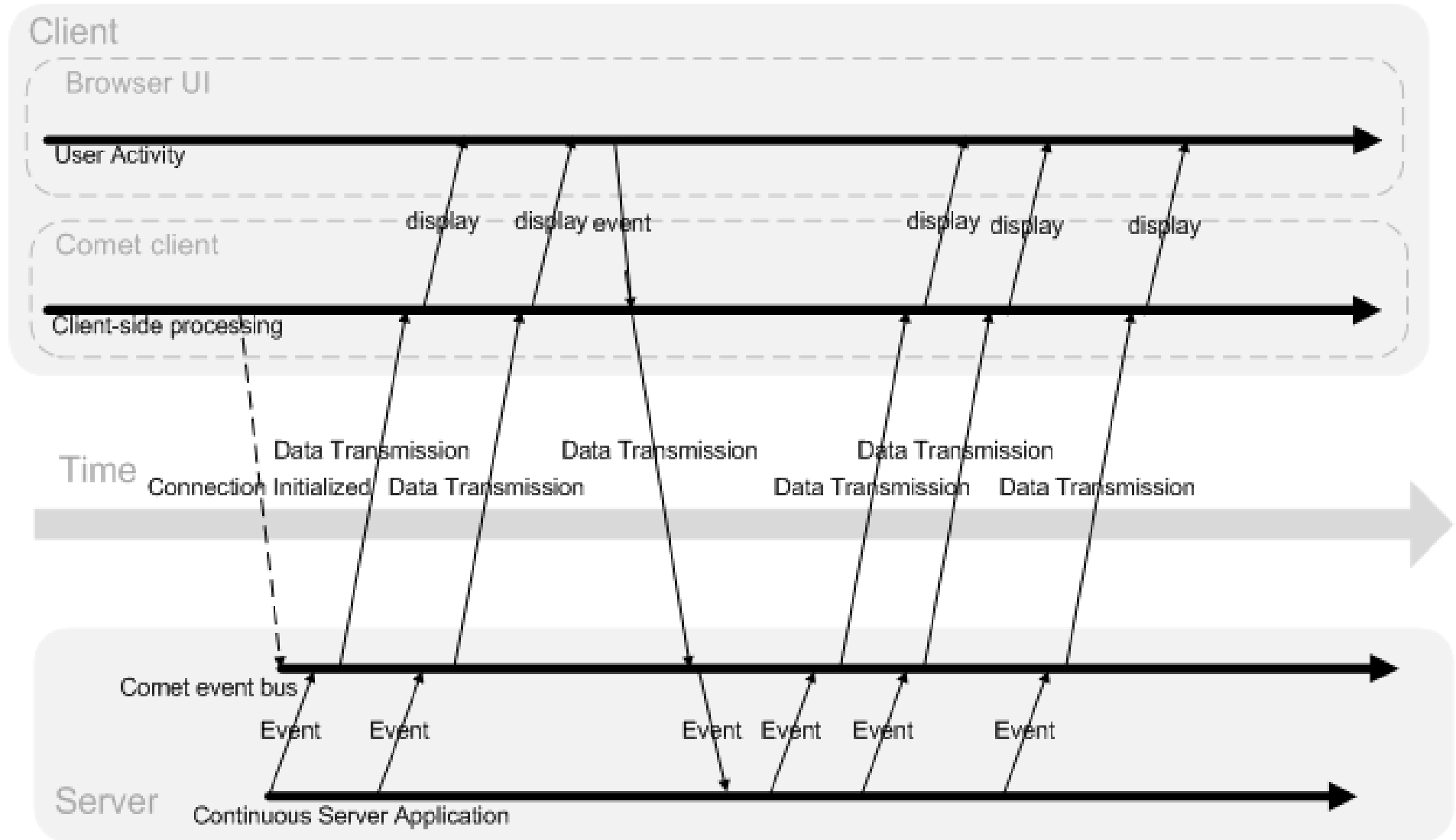
# Reverse Ajax - Polling...

## Polling Web Application Model



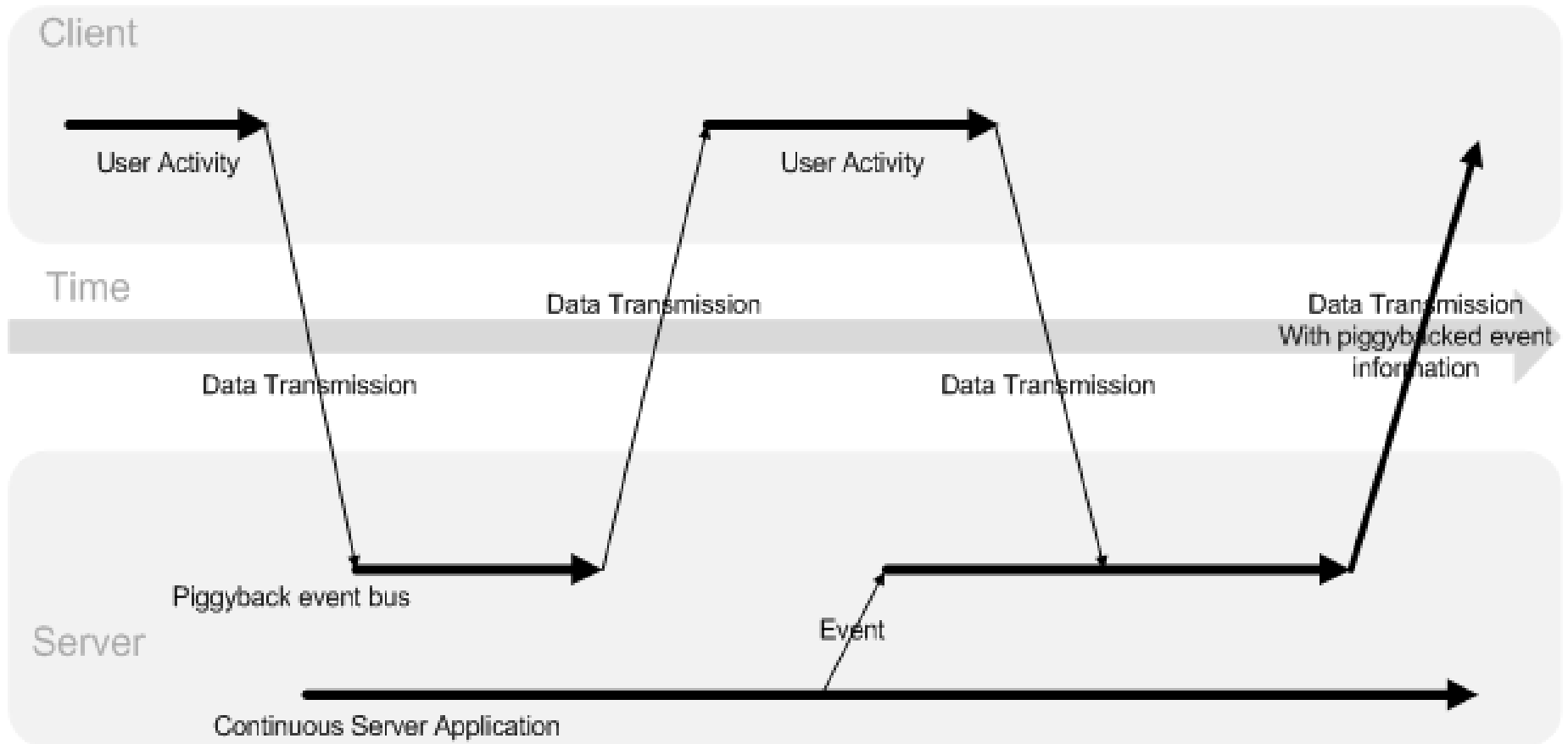
# Reverse Ajax - Comet...

## Comet Web Application Model



# Reverse Ajax - Piggyback...

## Piggyback Technique Web Application Model



**Fim! haaaaaaaaaaaaa...**