

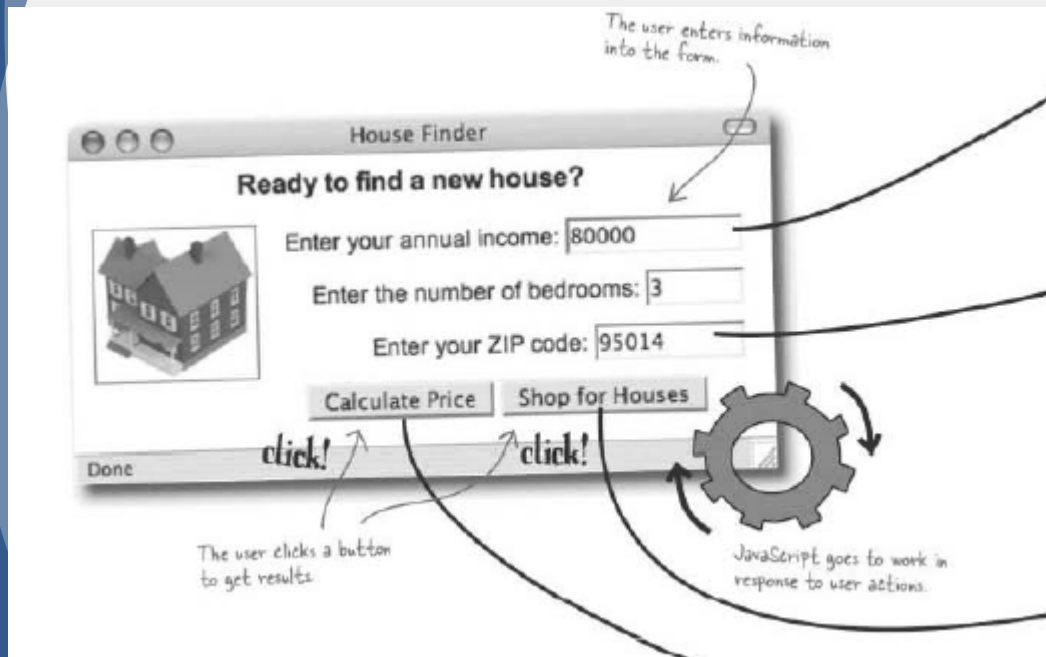
# Javascript {

the interactive web

# JavaScript

Interattività: è nato per questo

I browser web sono predisposti nativamente per la sua interpretazione, rendendo dinamiche le azioni



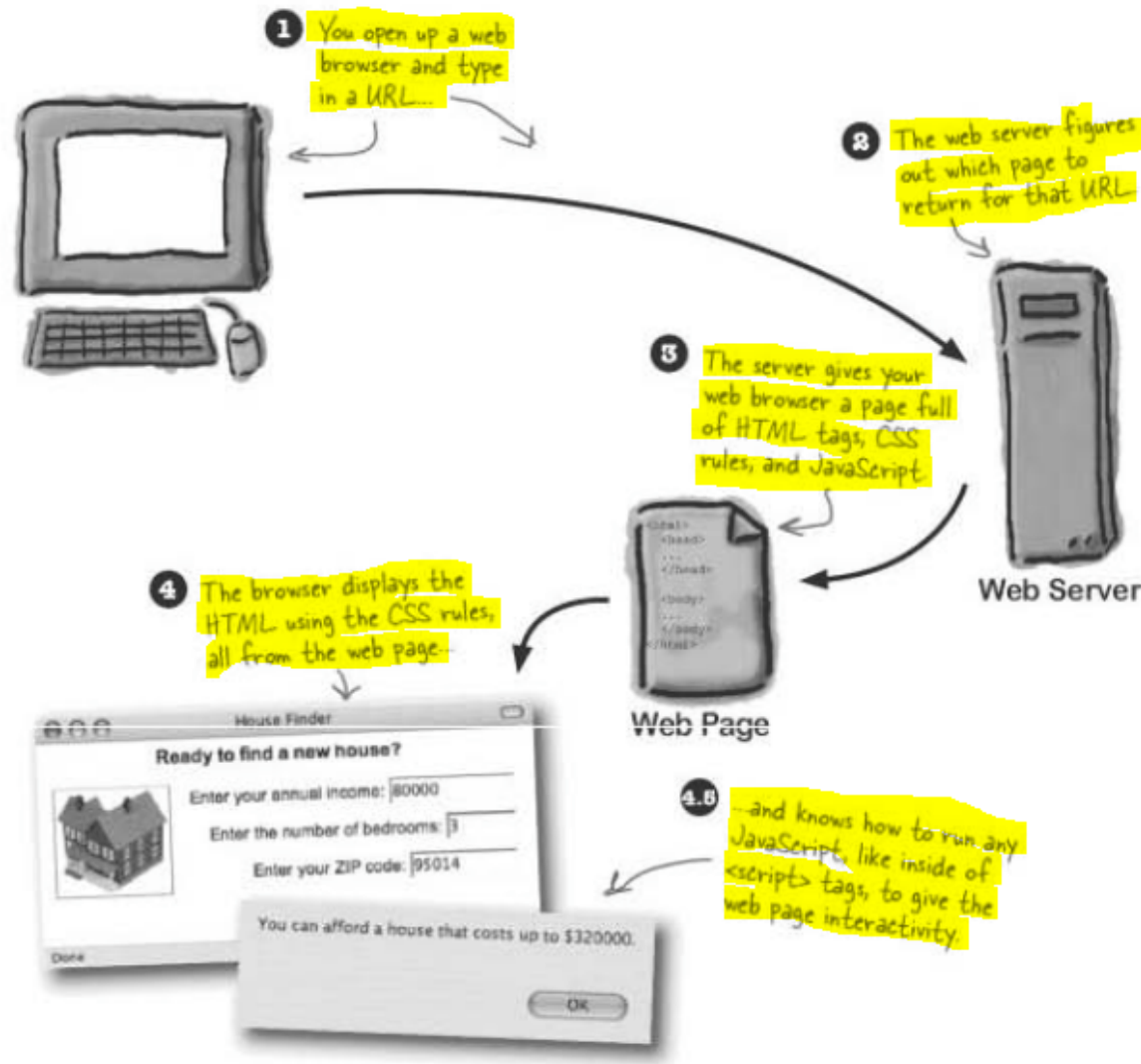
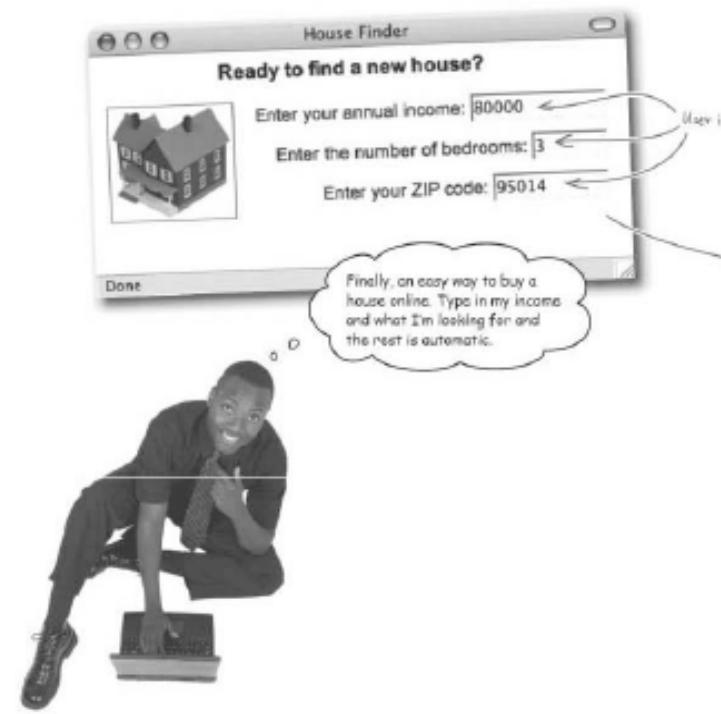
server

< - >

utente

# (Online) people have needs

All right, we know the Web is virtual, but the people on the Web are real people, with real world needs. Needs like searching for a killer meal deal recipe, downloading their favorite song by Meatloaf, or something even as large as shopping for a new house. Fortunately, the Web differentiates when it comes to prioritizing your needs!



Come funziona?

caricati grazie al tag `<script src="PATH/code.js"></script>` direttamente nell'HTML tramite indirizzo relativo, dopo esser stati validati!

# Struttura

```
1 function load(){
2     alert("Hello! iRock here!");
3 }
4 function touchRock(){
5     var userName = prompt("What's yor name?", "Name here ^^");
6     if (userName) {
7         alert ("It's good to meet ya, "+userName+"!");
8         document.getElementById("stone").src = "images/rock_happy.png";
9     }
10 }
11
```

**tipo nome(parametri){ ... }**

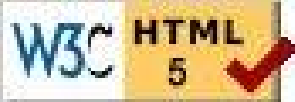
Molto simile allo standard ORACLE per Java, è un tipo di codice orientato ad oggetti

**oggetto.proprietà("nome id").src**

.src sarà l'attributo DOM che andrà a cambiare, non è sintatticamente obbligatorio

**= "inserisce il percorso dell'immagine che voglio inserire in seguito all'intervento dell'utente";**

```
1 <!DOCTYPE HTML>
2 <html>
3   <head>
4     <meta charset="UTF-8">
5
6     <script src="script/jscript.js"></script>
7     <link rel="stylesheet" href="css/irocku.css" />
8
9     <title>iRock</title>
10  </head>
11  <body onload="load()">
12    <div id="content">
13      
14    </div>
15  </body>
16 </html>
```



Nell'HTML si specificano le tag e gli id per gli elementi da gestire nel .css insieme a:

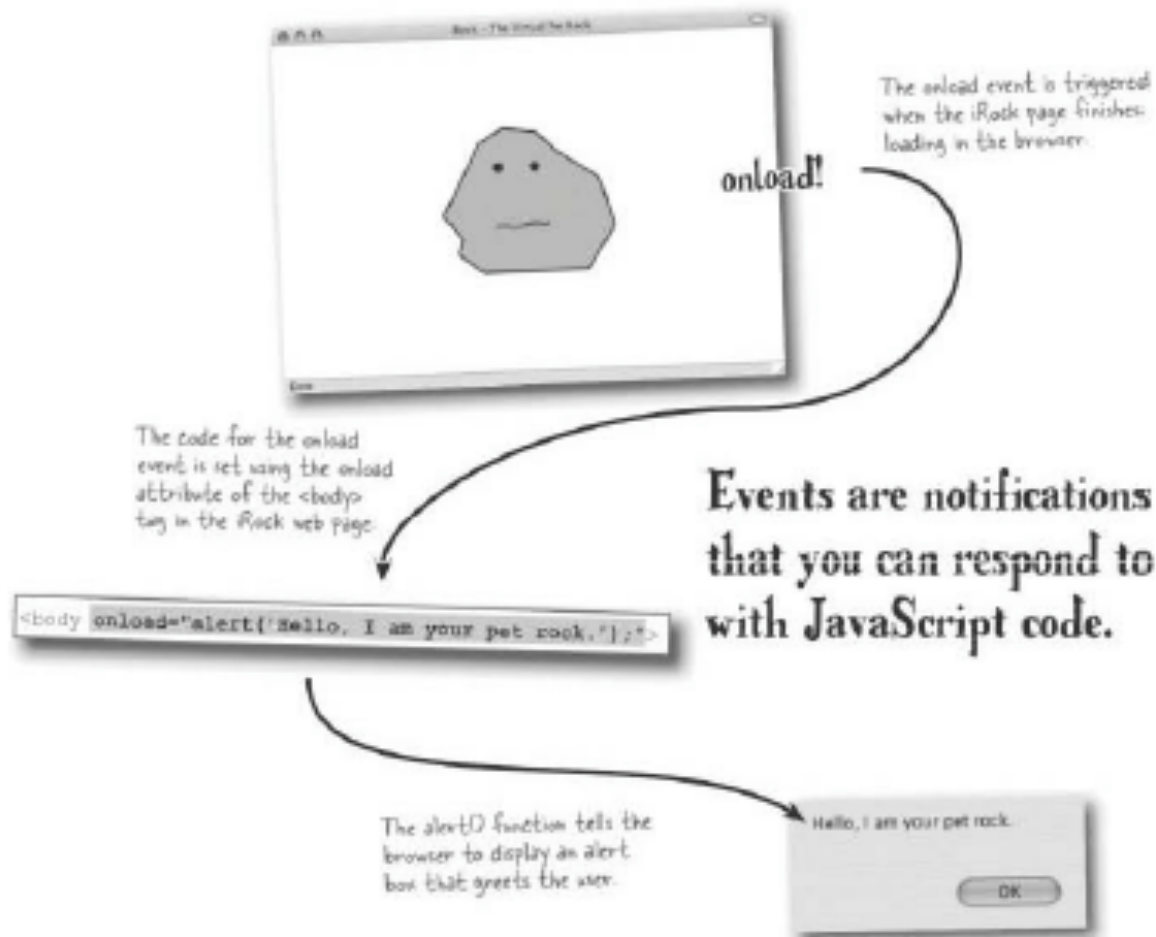
*onload* nel *body* che permette di eseguire la funzione specificata nel JS al caricamento completo della pagina, immagini comprese

*onclick* all'interno dell'oggetto che viene cliccato

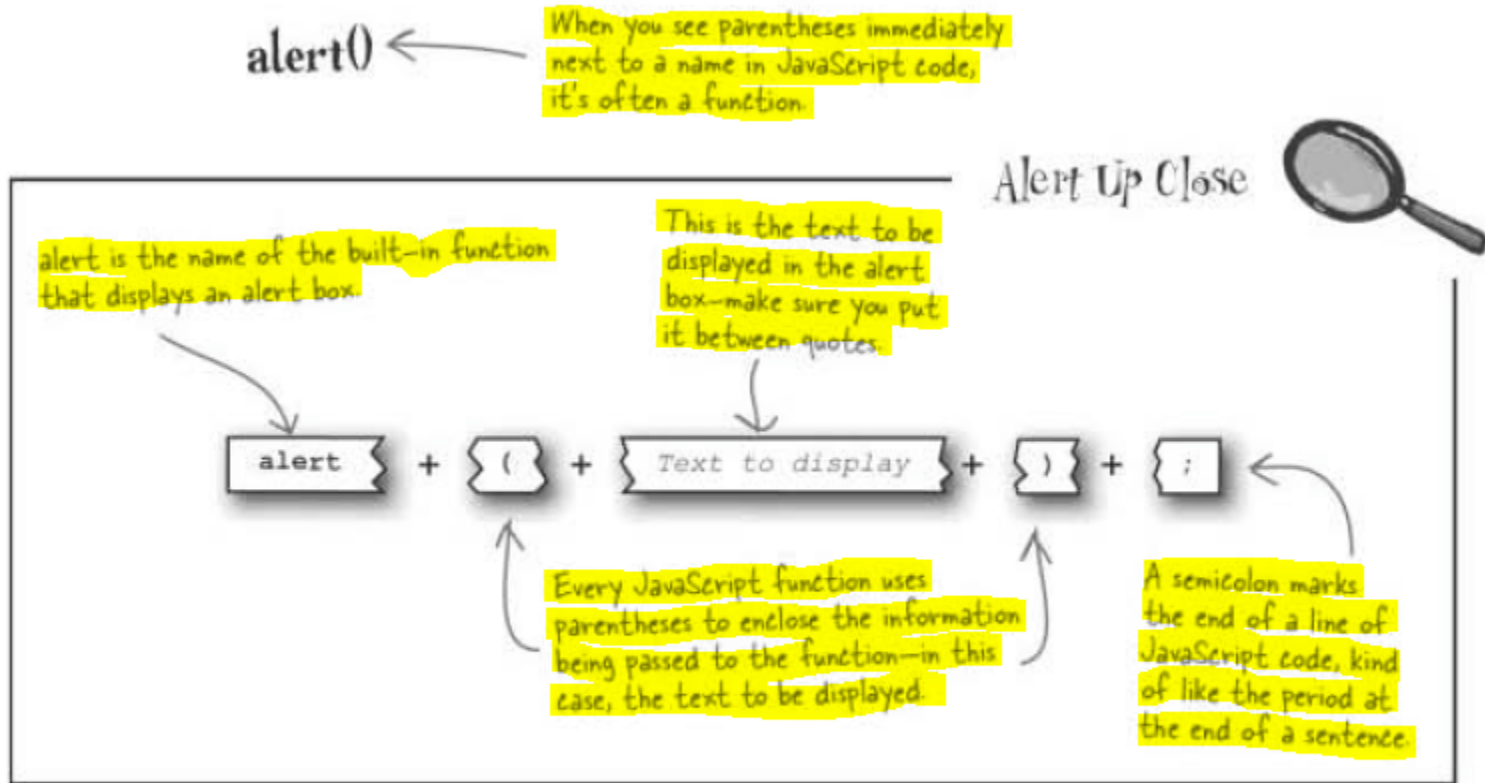
## JavaScript events: giving the iRock a voice

To use JavaScript to greet the user when the page first loads, we'll have to solve two main JavaScript-related problems: knowing when the page finishes loading and knowing how to display a greeting so that the user can see it.

The first problem involves responding to an event (the page load event), while the second problem involves using a built-in JavaScript feature, the “alert” box. Events are JavaScript notifications that let you know when something of interest has happened, such as a page loading (onload) or a button getting clicked (onClick). You can respond to events with your own custom JavaScript code.



# alert()



When you pull it all together, you get a complete line of JavaScript code that calls a function to display greeting text in an alert box:

Gli alert aprono delle finestre di dialogo dette implicite che bloccano le azioni dell'utente fino a che non viene dedicata attenzione al messaggio



# Riepilogo!!!

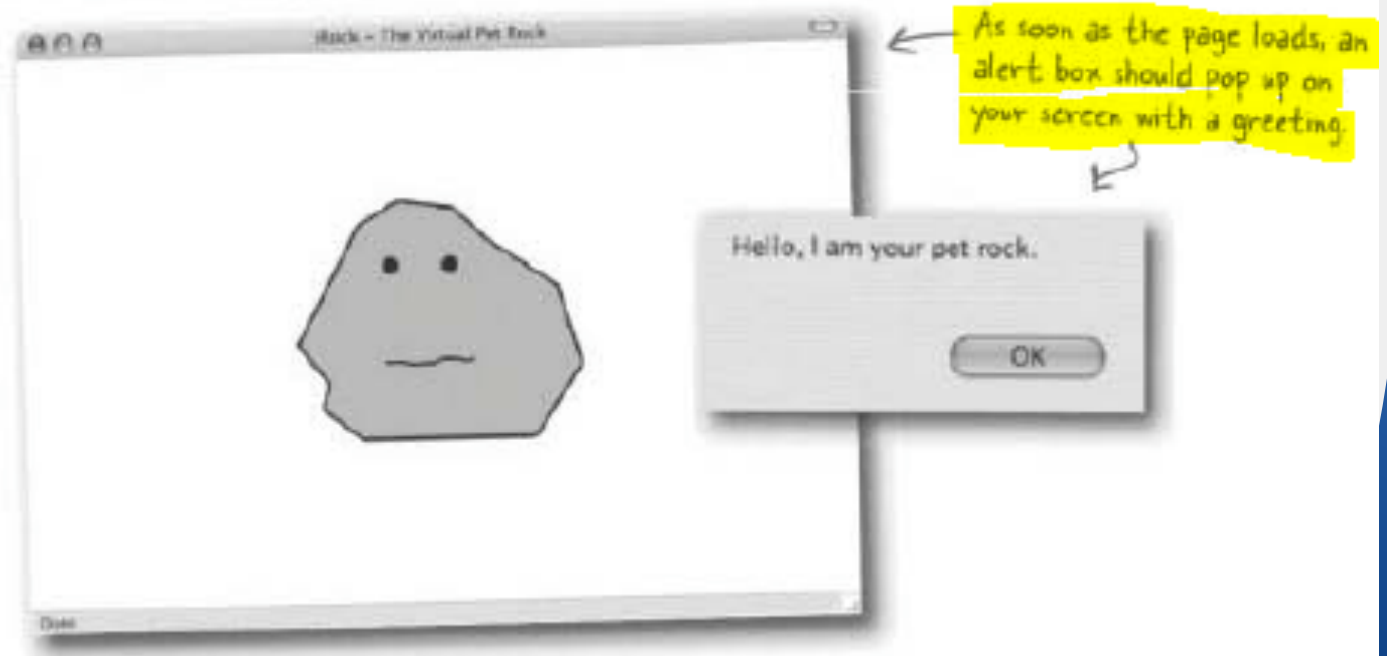
- 1 Create the iRock HTML web page.** *You already know how to do this.*
- 2 Add a JavaScript alert to make the rock greet users when the iRock web page is loaded.** *An alert is JavaScript's way of popping up a simple message box.*
- 3 Write JavaScript code to ask for the user's name, print out a personalized greeting, and make the rock smile.** *You're connecting something the user does, like clicking the virtual pet rock...*
- 4 Add an event handler so that when users click on the rock, the code you wrote in step 3 runs.** *...with activity that you design.*

## > iRock online <

irock.html

### Test drive your interactive rock

The iRock page is now a touch more interactive thanks to an alert box greeting that is displayed in response to the `onload` event. Load up `irock.html` in your web browser, and see what happens:





*written by:*  
*Giacomo Fiorucci*  
*Gianluca Rosi*

tratto dal cap #1 del libro

