

Enhancing CA Gen Web Applications with JavaScript

Session # 14

October 29, 2007 4:30 p.m. - 5:30 p.m.

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Overview

- ₹8,
- What is JavaScript?
- Why use it?
- Embedding JavaScript within CA Gen Web Applications
- Example of a CA Gen Web Application containing JavaScript
- JavaScript Limitations
- Learning JavaScript (references)



What is JavaScript?

A scripting language designed to add interactivity to HTML pages

Display a prompt box

- Most often used for client-side web development
- · Consists of lines of executable computer code
- Executes without preliminary compilation (interpreted language)
- · Usually embedded directly into HTML pages
- · Pre-requisite; should have basic understanding of HTML
- Java and JavaScript are not the same



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 Script Prompt: DK
 Please enter your name

 Cancel

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- $\bullet \quad \text{Most often us} \quad \underset{\text{Hello Harry Potter! How are you today?}}{\text{How are you today?}} \quad \text{Hopment}$
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JavaScript = Xava



Why use it?

- JavaScript is used in Web pages to:
 - put dynamic text into html pages
 - improve the design
 - · validate forms
 - detect browsers
 - · create cookies
 - · react to events
 - make web pages more interactive and much more

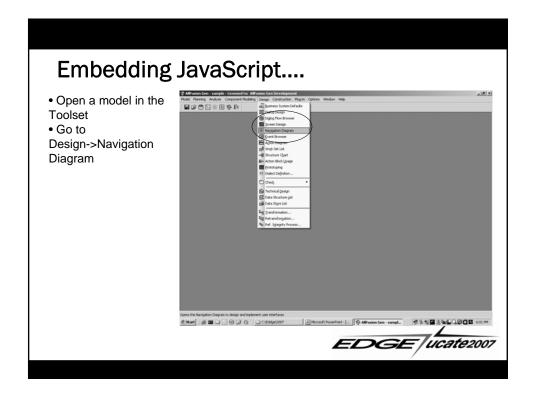


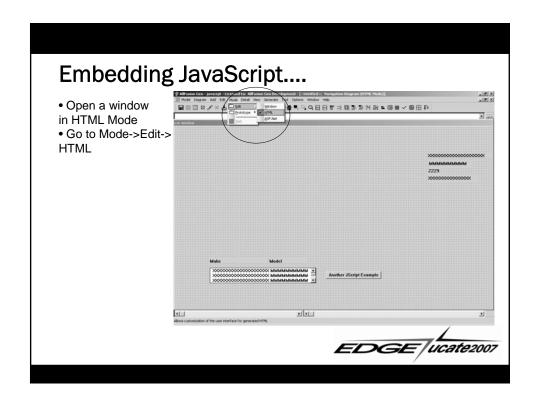


Embedding JavaScript within CA Gen Web Applications

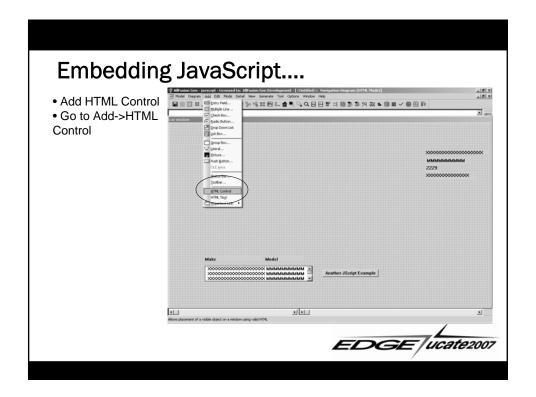
- Embed JavaScript within HTML Code
- Open a model in the Toolset
- Go to Design->Navigation Diagram
- Open a window in HTML mode
- Click Edit->Add HTML Control or HTML Text
- Type in the HTML Code containing JavaScript

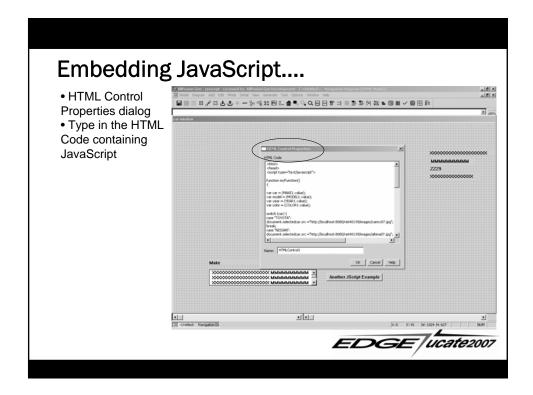




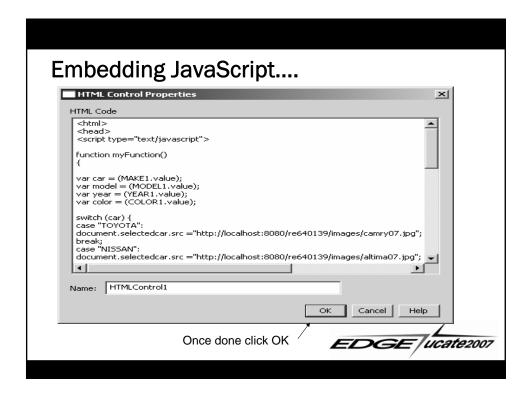


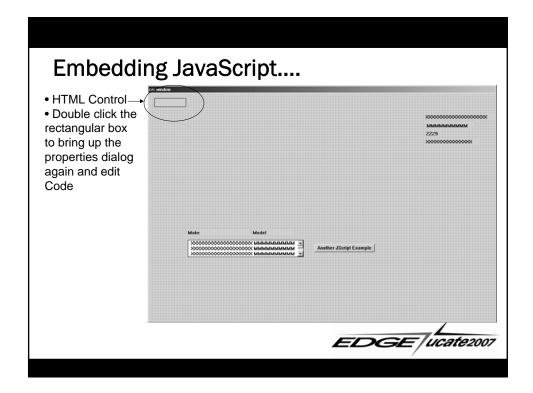




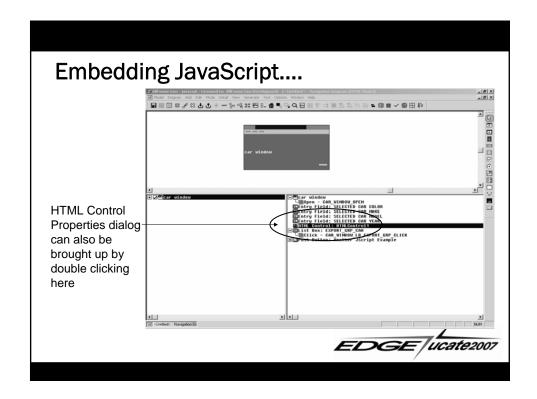


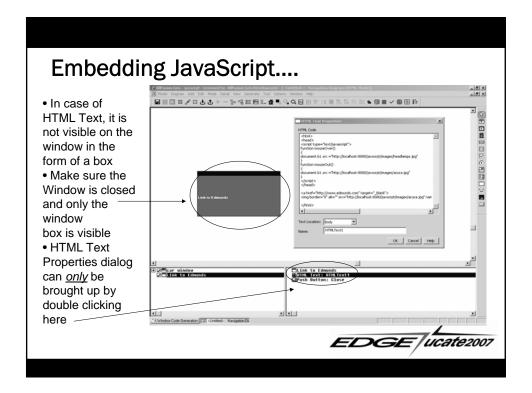




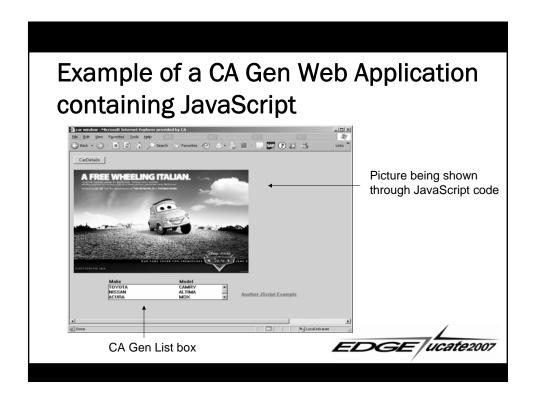


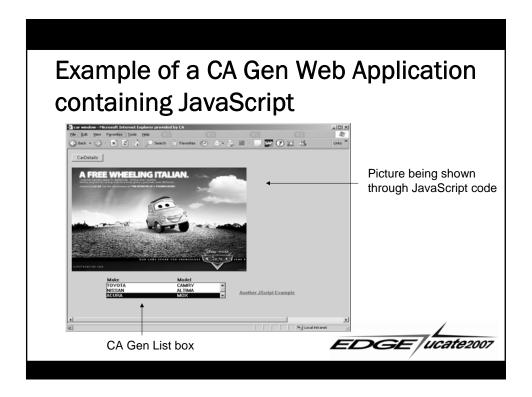




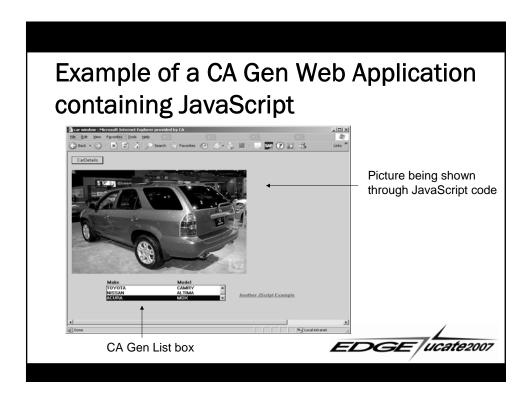


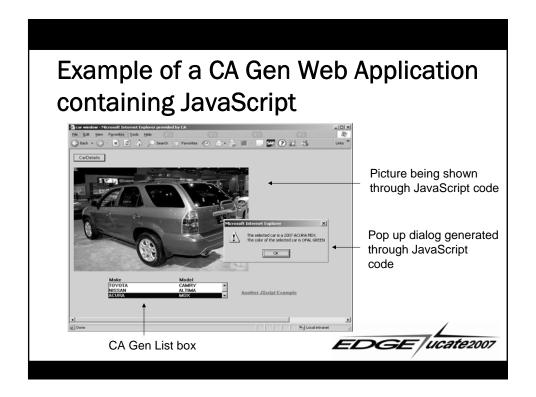














JavaScript Limitations

Below are some JavaScript Limitations

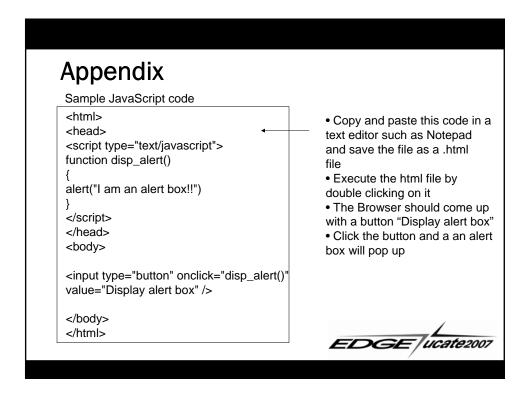
- JavaScript code cannot:
 - use printers or other devices on the user's system or the client-side LAN
 - <u>directly</u> access files on the user's system or the clientside LAN
 - · directly access files on the Web server
 - · implement multiprocessing or multithreading

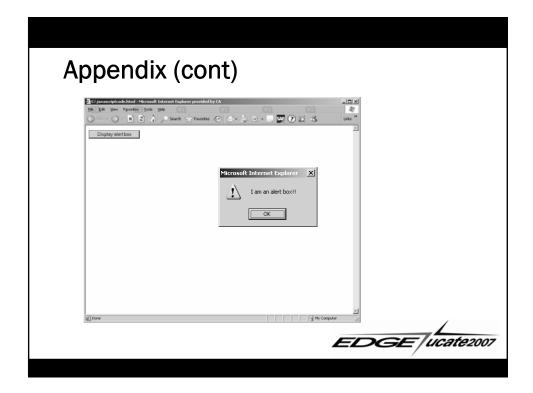


Learning JavaScript (references)

- http://www.w3schools.com/js/default.asp
- JavaScript Bible, Sixth Edition
 by Danny Goodman and Michael Morrison
- Google
- Yahoo
- Wikipedia.org









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