

## Apache CGI And Perl On Windows XP (Part III)

### Passing Value Between Browser and JavaScript

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### Background

This is the 3<sup>rd</sup> part of document derived from my lecture at San Jose State University. This part covers value passing between HTML and JavaScript program.

### Value Passed Between HTML and JavaScript

#### 2.1 Values Passed Via Query String

A simple value can be passed in both directions, e.g., from your browser to CGI or from CGI to browser as illustrated in Table 1 and Figure 1.

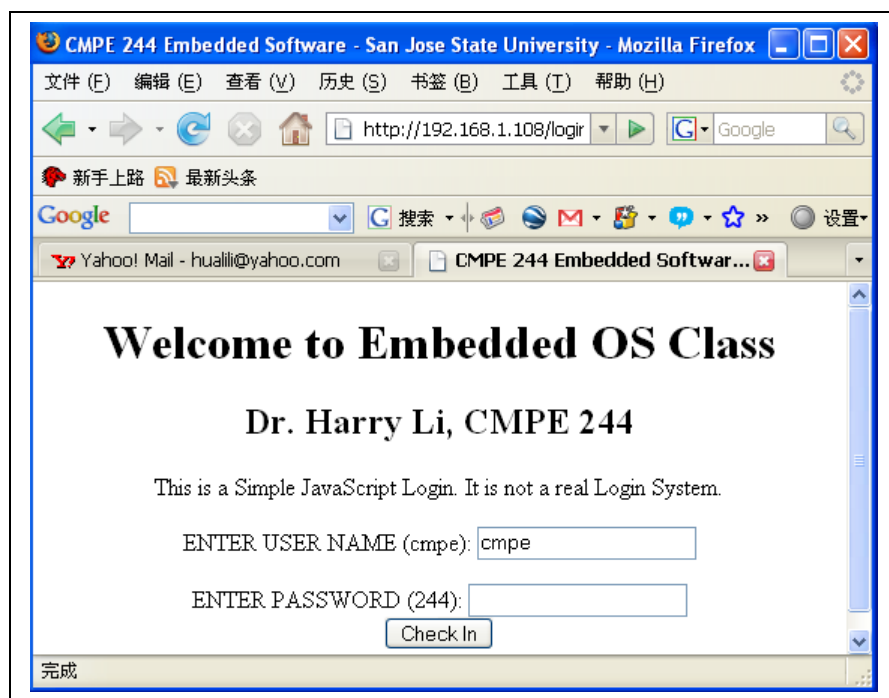
Parameter Passing Direction	Method	Note
1. HTML to JavaScript	<code>&lt;input type="text" name="text1"&gt;</code>	<code>&lt;input&gt;</code>
	<code>&lt;input type="button" value="Check In" name="Submit" onclick=javascript:validate(text2.value,"cmpe",text1.value,"244") &gt;</code>	<code>&lt;input&gt;</code>
2. JavaScript to HTML	<code>load('index.html');</code>	

Table 1. Value passing

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<head>
  <title>CMPE 244 Embedded Software - San Jose State University</title>
  <meta http-equiv="content-type"
content="text/html; charset=ISO-8859-1">
</head>
<body>
<div align="center">
<h1>Welcome to Embedded OS Class</h1>
<p><h2>Dr. Harry Li, CMPE 244</h2></p>
</div>
<center>
This is a Simple JavaScript Login. It is not a real Login System.
<form>
<p>ENTER USER NAME (cmpe):
<input type="text" name="text2">
</p>
<p> ENTER PASSWORD (244):
<input type="text" name="text1">
<br>
<input type="button" value="Check In" name="Submit"
onclick=javascript:validate(text2.value,"cmpe",text1.value,"244") >
</p>
</form>
</center>
</body>
</html>
```

Figure 1. Value back and forth between browser and CGI.

```
<script language = "javascript">
function validate(text1,text2,text3,text4)
{
if (text1==text2 && text3==text4) load("index.html");
else
{ load('failure.html'); }
}
function load(url) { location.href=url; }
</script>
```





## Appendix A. The Source Code

```

<script language = "javascript">
function validate(text1,text2,text3,text4)
{
if (text1==text2 && text3==text4)
load('index.html');
else
{
load('failure.html');
}
}
function load(url)
{
location.href=url;
}
</script>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<head>
<title>CMPE 244 Embedded Software - San Jose State University</title>
<meta http-equiv="content-type"
content="text/html; charset=ISO-8859-1">
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<body>
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</div>
<center>
This is a Simple JavaScript Login. It is not a real Login System.
<form>
<p>ENTER USER NAME (cmpe):
<input type="text" name="text2">
</p>
<p> ENTER PASSWORD (244):
<input type="password" name="text1"><br>
<input type="button" value="Check In" name="Submit"
onclick=javascript:validate(text2.value,"cmpe",text1.value,"244") >
</p>

</form>
</center>
</body>
</html>

```

**Reference**

1. Harry Li, Ph.D. Lecture Notes (LEC5 CGI) for CMPE 244 Embedded Linux OS, San Jose State University.

(End)