

Web Applications with Xojo®

presented by Brad Hutchings

Overview

- What is a web application?
- Why develop web applications?
- Technologies and skills.
- How Xojo makes it easier.
- How Xojo makes it secure.
- Samples: Vecite Files, #CopMonkeyBear

What is a web application?

- Delivered by server, runs in web browser, feels like an application.
- Native device look, web look, or custom look.
- Later, we'll see two examples: #CopMonkeyBear and Vecite Files.



Why develop web applications?

- Target desktop, tablets, and phones with a single source base.
- Target MacOS, iOS, Android, and Windows devices with a single source base.
- Deploy once to make available to all users.
- No gatekeepers.



Technologies and skills.

- HTML5
- CSS
- JavaScript
- XML/JSON
- Database/SQL
- Perl/PHP

```
<!DOCTYPE html>
<html>
<body>

<h1>My First Heading</h1>

<p>My first paragraph.</p>

</body>
</html>
```

```
{
  "glossary": {
    "title": "example glossary",
    "GlossDiv": {
      "title": "S",
      "GlossList": {
        "GlossEntry": {
          "ID": "SGML",
          "SortAs": "SGML",
          "GlossTerm": "Standard Generalized Markup Language",
          "Acronym": "SGML",
          "Abbrev": "ISO 8879:1986",
          "GlossDef": {
            "para": "A meta-markup language, used to create markup languages such as DocBook.",
            "GlossSeeAlso": ["GML", "XML"]
          },
          "GlossSee": "markup"
        }
      }
    }
  }
}
```

```
function startTime()
{
    var today=new Date();
    var h=today.getHours();
    var m=today.getMinutes();
    var s=today.getSeconds();
    // add a zero in front of numbers<10
    m=checkTime(m);
    s=checkTime(s);
    document.getElementById('txt').innerHTML=h+":"+m+":"+s;
    t=setTimeout(function(){startTime()},500);
}

function checkTime(i)
{
    if (i<10)
    {
        i="0" + i;
    }
    return i;
}
```

```
SELECT LAT_N, CITY, TEMP_F
FROM STATS, STATION
WHERE MONTH = 7
AND STATS.ID = STATION.ID
ORDER BY TEMP_F;
```

LAT_N	CITY	TEMP_F
47	Caribou	65.8
40	Denver	74.8
33	Phoenix	91.7

How Xojo makes it easier.

- Visual IDE.
- One object oriented language.
- CGI or stand-alone deployment.
- WebSDK to incorporate existing controls or create your own.

How Xojo makes it secure.

- App is compiled for server platform.
- Client-side framework is compact.
- Controls loaded dynamically at direction of server.

Sample: Vecite Files

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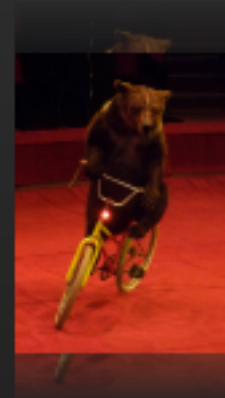
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Sample: #CopMonkeyBear



Wins: 1. Losses: 0.



Waiting for judges.

Thank You! Links

- Xojo: <http://xojo.com>
- Brad Hutchings: brad@componentx.com
- Vecite Files: <https://vecite.com>
- #CopMonkeyBear: <http://yogurteater.com>