Embedded Web Application Development Services

A r t & L o g i c

Highlights

- **Experienced with many embedded Web servers**

- **Essential combination of design and engineering**

- **Prototyping, graphic design, usability testing**

- **Use of Advanced JavaScript Control Suite to shorten development time**

- **Impressive user interfaces even for low-memory footprints**

Art & Logic provides embedded Web application development services. The company's understanding of technical issues, combined with its graphic design and user interface capabilities, produces interfaces beyond typical engineering-heavy or design-heavy approaches. The Art & Logic paradigm has been successful for Nortel Networks, Redback Networks, Hewlett-Packard, PairGain Technologies, and others.

Web-Based User Interface vs. Web Site

Many network-connected embedded systems today have a Web-based user interface. It is natural to think of them as just Web sites hosted on embedded systems, but many developers have discovered the hard way that there is much more involved.

A Web-based user interface must take usability seriously because it is closer to application software in terms of user expectations and purpose. Users want dynamic, animated displays and need a clear representation of the underlying hardware.

Greater user interface complexity underscores the importance of prototyping.The user's burden can be reduced by means of advanced browser features, but with an increase in testing time, especially across browsers.

Advanced JavaScript Control Suite

Art & Logic uses its Advanced JavaScript Control Suite (AJCS) to shorten interface development time. The AJCS contains the wisdom of five years of Web-based user interface development and it supports real-time event display and alarm monitoring. Interface testing effort is significantly reduced via the AJCS multi-browser support. Even with all these features, the AJCS maintains low memory usage and high performance.

Examples on the Web

See examples of what a great embedded web application can be at www.artlogic.com/ei/portfolio.

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