

Technology:

Cassini Web server, .NET 3.5

Project size:

2 man-months

Team size:

2 developer, 1 manager

Pupils.TV

Digital Content Creation And Display System

The Client

Pupils.TV is a leading supplier of multimedia products and services to the Education sector - from Primary Education through to Secondary Schools, Colleges and CLCs.

The Challenge

The company required a dynamic messaging and content display system that would allow children to experiment with different forms of media, and to assemble content easily into a finished and unique single-screen display of broadcast quality.

In addition to text and graphics, the client required any selection of live video, data feeds and animation to be mixable on screen to create the content.

The project called for Blueberry to design a web-based management console, which would:

- * Allow the user to import content from a local PC and upload it via the web-service.
- * Provide a management screen giving a view of all PCs in the system.
- * Provide scheduling of media playback.
- * Support a simple license key system.

The Solution

Blueberry designed and implemented the software required for the Pupils.TV project, which included a web-based management console, a simple licence key system and a designer programme to enable pupils to create a presentation of their ICT work using flash animations, movies, mp3 audio and digital photography.

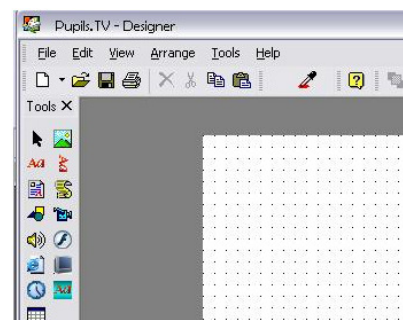
All of these media types can be displayed on a single screen in any design that the pupil chooses. Once the completed presentation has been saved to the Pupils.TV server, the classroom teacher is able to review the work and distribute it to any required display device.

The core functionality of the software designed by Blueberry allows the amalgamation of different types of content to be displayed concurrently on the same display device.



"Pupils.TV has become one of the most sophisticated and versatile multimedia communications solution on the market."

**Tim Tunstall,
Project Manager,
Pupils.TV**



Pupils.TV Designer screen.



“Pupils.TV is revolutionising the learning experience, from Primary Education through Secondary Schools, Colleges and CLCs alike.”

**Tim Tunstall,
Pupils.TV**



The software can also integrate with most popular databases to provide live real-time application / business data.

Pupils.TV has become one of the most sophisticated and versatile multimedia communications solution on the market, which simply and easily designs & presents superb, broadcast quality images onto a huge range of displays and other devices. The result is an exciting and innovative approach to meeting the changing demands of schools working with ICT.

Pupils.TV is infinitely scalable, and extremely flexible. It can run over any TCP/IP network that allows HTTP traffic through any internal firewalls. It can also be configured for SSL connections.

The system supports XP SP2, Vista and Windows 7, and the player program runs as a desktop application.

For further details, please contact John Davies, Senior Software Designer, Blueberry Consultants Ltd: john.davies@bbconsult.co.uk Tel: 0121 285 0100

About Us

Blueberry Consultants is a private limited software development company, formed in early 1997 by the current Managing Director, Martin Green.

Blueberry provides a full range of Bespoke Software Development and Technical Consultancy Services.

Our core Software Development Services include Windows Applications, Web Applications, Database Applications and Cross-Platform Applications.

Our Technical Consultancy Service includes:

- * Creation of specifications and design documents for

new software development projects.

- * Development reviews - to establish whether a development project is on the right track.
- * Design and Technology reviews - to confirm that a project has the correct architecture and design, perhaps prior to investment.

We provide clients with impartial advice on how to structure software projects, and on the appropriate technical architecture for a new system. We can also help in situations where the communication between management and technical staff is not working correctly, or needs that extra clarity.

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