

Case Study – Chronos

Domain	e-learning
Technology	ASP.NET, C#.NET, VB.NET, Dreamweaver, SQL Server 2000
Period of Project	April 2005 to July 2005
Project Status	Completed
Total Effort	30 person months

This is an e-learning product developed for a US client. The project involved development of an e-learning LMS (learning management system) and an LCMS (learning content management system) in a short-time frame. A full-fledged ASP model application to serve multiple clients, each with their own GUI, but using the same code base was developed in the given timeline.

The application was developed in component based n-tier architecture and used CSS 2.0 technology to be able to easily adapt the GUI for varied requirements of each client. The application has been built to meet large concurrent user loads from multiple clients.

Key features of the product included course development through an instructional design tool, content authoring and test creation, content launch, test administration and reporting, SCORM 2004 content import and launch. The application is designed to meet the W3C web accessibility guidelines and stringent security guidelines designed to meet the US defence norms.

Security of the application and data were of prime importance in the project. Security was handled at the entry of data level through sanitization of data, encryption of sensitive data, through an elaborate access permissions mechanism as well with database level permissions.

Key challenges in the project included managing the tight delivery schedules and ability to ramp up the team while maintaining the quality of deliverables, integration of the code developed to manage the acceptance test process, and creating the complex application using CSS 2.0 specifications.

