

Delivered Efficiency

- Ability to showcase high quality and flexibility in their content delivery services helped client gain advantage over competitors
- Online Availability of content allowed client to introduce new pay per use model for customers increasing efficiency in terms of cost as well as in reach
- Cloud based LMS allowed client to cater to greater number of customers without having to incur additional infrastructure or administration cost
- The LMS allowed client to deliver content securely to the intended audience helping overcome issues associated with theft of content or DRM

Not as expensive as Blackboard and not as complex as Moodle, a simple, intuitive and highly collaborative learning management system

The situation was a bit precarious for the content provider industry in 2009. Firstly, the buyers were moving away from the older content distribution model, deciding instead to cherry pick content from a variety of vendors. Secondly, with content interoperability gaining steam, content providers feared losing control of their content delivery mechanism to the increasing plethora of devices and platforms.

Although, a number of LMS systems were available in the market, those were too static to be customized to suit individual needs.

Another difficulty for the client was the cost factor. Either LMS systems were too costly to justify ROI and or they were too complex to implement. It was this situation when the client partnered with Perennial Systems to build a Learning Management System that

- Is easy to use
- Supports interoperability with the existing IT
- Provides the ability to tailor training to suit the particular needs of client's customers

Challenges

INTEROPERABILITY

Interoperability was required to allow easier movement of content in and out of the LMS boosting reusability and portability of content. Compatibility between available online content and the LMS is necessary to make the LMS more efficient and usable.

INTEGRATION WITH EXISTING SYSTEM

Integration of LMS with social applications and collaboration tools and also with other critical applications already installed at the deployment site was another primary challenge to be catered.

EASE OF USE

The need to make learning more engaging and attractive cannot be emphasized enough. The target audiences have a plethora of choices to choose from. Hence it becomes necessary that the content is provided in the appropriate manner as is preferred by the end user. The more simple and intuitive the system is, the more likely it is to be accepted by the users.

EXTENDABLE PLATFORM

Custom systems lack in providing flexibility, scalability and efficiency. Every learning management system is different from the other in terms of features, capabilities and user engagements. Lot of effort in terms of time and money is required to tailor LMS to suit the particular needs of the customer.

ELASTIC SCALABILITY

For a LMS system, usage increases exponentially since addition of one university creates thousands of new users. Moreover, such spike demand could sometimes be temporary in nature since trial subscriptions may not convert to permanent status. The need was to build a system that is elastic enough to meet the hikes in demand as well as be economical during a fall in demand

“The experts at Perennial worked closely in discussing with us and devising our IT strategies in phases to optimize our business processes by developing LMS for content development and delivery to our end customers, keeping our budgets into consideration.”

President, Atma Global Inc.

Client Side Technologies

- Adobe Flex/AS3
- ILOG Elixir
- ASP.NET Ajax toolkit

Server Side Technologies

- ASP.NET 2
- MSSQL server
- WebORB

Solution

Built on Web 2.0 technologies, Perennial's LMS provides a single point of access for ubiquitous learning for users. Following were our key success strategies:

USER CENTERED DESIGN

Keeping the user at the center of the design we created a LMS that is engaging yet simple to navigate and use. Perennial LMS allows user to run simulations, games and other experience-based techniques to reinforce the learning objectives.

INTEGRATION

Perennial's LMS allows the flexibility to deploy e-learning solution according to one's IT infrastructure, and blend it into present technology and applications environment. This allowed the client to focus his attention to content development and meeting business objectives, not having to spend multiple cycles on technical challenges and integration.

MULTI TENANT DESIGN

Created on a SaaS data architecture that is both robust and secure enough to satisfy tenants, the modular design for the system allows ease in customization and easy addition of new modules.

ADHERENCE TO STANDARDS

The system supports integration with already deployed university and enterprise resources at the customer's end. Many client's customers having third-party content have integrated with Perennial's LMS using these standards.

ELASTIC STORAGE AND COMPUTING

In order to achieve scalability, the platform is hosted on Amazon EC2. This helped client achieve reduction in total cost of ownership with on-demand, elastic storage and computing ability.

ABOUT PERENNIAL SYSTEMS

Perennial Systems is a business and technology services company delivering IT solutions, consulting, systems integration and outsourced development services. We create value by successfully integrating people, business and technology to create effective, sustainable and scalable business ecosystems.

Features of our Solution

- Modular Design
- Icon based navigation intriguing users
- Support for multiple document formats as learning objects
- Support for videos and multimedia assets
- Easy Customization allowed
- Intuitive to use system
- Social and Collaboration tools included
- Reports and analytics generation
- Support for Enterprise Systems
- 24x7 support

For more information on how we can deliver efficiency to your business visit us on www.perennialsys.com email: contact@perennialsys.com