3S USA, Inc. IT Services | BPO

Introduction

Our client is a well-known national fast food chain that was established in 1995. In a short span, they have grown to include over 440 eateries across the nation and plenty more are on the way.

Our client was using a dated application for gathering customer feedback periodically. We helped them control cost, increase efficiency and avoid the unforeseen and frequent application downtime by delivering a strategic, time and cost-effective solution.

Client Requirements

For a more robust environment with latest technology, 3S migrated the existing web application from a Microsoft ASP to ASP .NET platform.

Due to the inadequate documentation of the current application, this task was not merely a technical solution. It demanded a thorough understanding of client's project requirements and complex business rules in the form of in-line scripting.

To meet the immediate business needs, complex application with nearly 100 ASP pages had to be migrated in a short development timeframe.

Our Solution

After a thorough analysis of the client's business requirements, we developed a time and cost-effective solution of application migration from a Microsoft ASP to ASP .NET platform.

Using Microsoft .Net, Microsoft Windows Server 2003, Dundas Charting, Aspose, componentArt and SQL Server 2000, we minimized application downtime, increased efficiency and deliver high scalability.

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Presentation GUI	**End User's System** (HTML Windows forms, etc.) Physically on the client's machine		
Marks the separation between the client and the server →	**The Web** Server-Sided IIS (VBScript, Jscript, Web Forms, C#, VB, NET, etc.) Producing: HTML, XML, DHTML, WML, etc.	**Distributed Logic** Needed to connect to the Proxy Layer on the server to Send and Receive requests	**Client Interface** (Windows-based forms, a custom application, or anything else the client is able to display)
Presentation Logic Tier		**Proxy Tier** (SOAP, CORBA, RMI, DCOM, etc.)	
Business Tier	Business Objects and Rules Data Manipulation and Transformation into Information Could be designed in a stateful manner		
Data Access Tier	Interfaces with the Database Handles all Data I/O Made to Scale, usually Stateless		
Data Tier	Storage Query & storage optimization Performance (indexing, etc.)		

Technology :
SQL Server 2000
HTML
AJAX
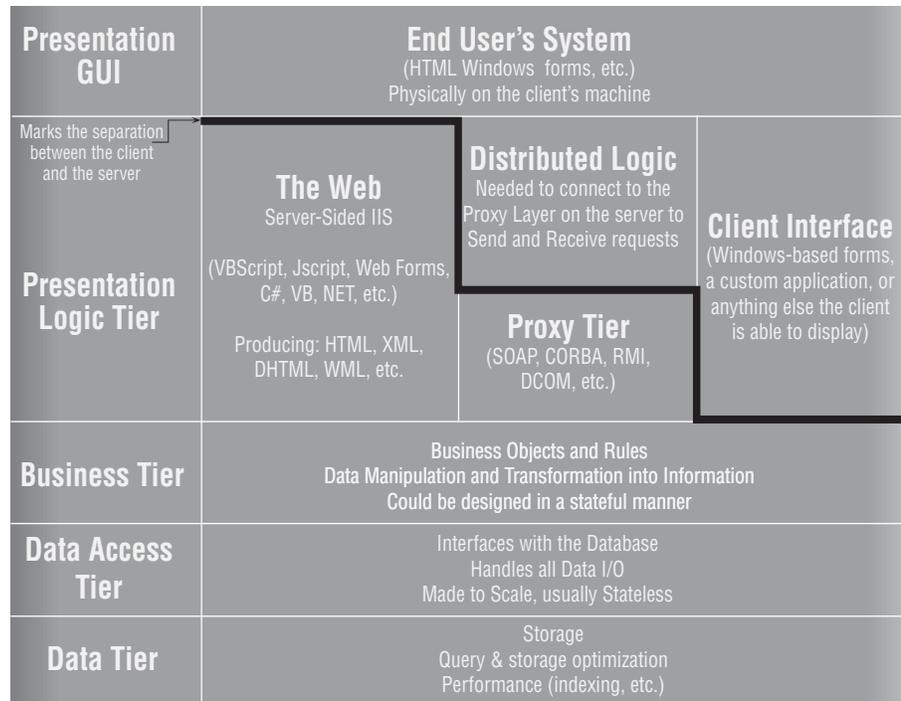
After documenting the application requirements, we designed a flexible and scaleable application using an n-tier architecture (descriptive diagram below). By breaking up the application into tiers, we made this application extremely user-friendly, easy to modify and highly reliable.

Benefits

The updated application offered the following benefits:

- Reduced development time by half
- More options and tools available with latest technology
- Easy maintenance
- High Scalability
- Minimized application downtime
- Controlled costs