

Client Description

The Client, First American Corporation is US largest Real Estate Information Services Provider. It is one of the Fortune 500 Companies. It incorporates family of companies which oversees the Real Estate business for the different states of United States of America. It's one of the subsidiaries; Data Trace (New Jersey) monitors extensive DTNJ Order Management System that includes order generation, tracking, judgments, property verification, and confirmation tracker.

Project Description

DTNJ is a web based project built on .NET platform using web services as middle tier. DTNJ possesses property records in its database which can be retrieved and verified by using property verification process before order placement. Application is based on latest development technology, providing user friendly environment which is easy to use.

Business Challenges/Issues

The challenges which confronted at the time of DTNJ re-architecture are as follows:

- Old DTNJ was developed using Classic ASP. Order Entry System is a hybrid of ASP 3.0 and ASP.Net. So there was a need to change technology that could enhance performance
- Old website was using client side scripts/data and lots of popup windows.
- The system was lacking of proper security mechanism.
- There were so many post backs in the old DTNJ application which had to be reduced.
- Obsolete Searching Criteria
- No concept of middle Tier Architecture

Key Consideration and approaches

Classic ASP was replaced by ASP 2.0 since ASP.NET 2.0 pre-compiles the code which helps code run faster than Classic ASP. It includes membership, Roles API, XML web services, Ajax framework. ASP.Net opens up a whole new programming model with the blend of Web forms,

Server-side controls, data binding, and web services. User interface and user controls available in ASP.NET 2.0 give rich user experience making website more users friendly. MS Visual Studio 2005 was used for all Presentation

Layer development, ASP.NET 2.0 (VB.NET) was used as primary language and JavaScript as supporting language.

AJAX technology was used to give a rich interface to users and it also reduces post backs.

Benefits

Data Abstraction

Every layer knows how to communicate only with its adjacent layers.

Reusability

Every layer can be treated as separate entity that can be plugged out and plugged in into other related systems.

Easy Enhancement

Every layer can be treated as a separate entity that knows how to communicate only with its adjacent layers; these flexibilities have been made possible to enhance the system capability without disturbing the whole application architecture.

Technology

- MS Visual Studio 2005 was used for all Presentation Layer development.
- ASP.NET 2.0 (VB.NET) was used as primary language and JavaScript as supporting language.
- AJAX technology was used to give a rich interface to users.
- MS SQL2000 was used as backend database server
- Infragistics Web Suite 2006 was used for advance rich user interfaces.
- SOAP Protocol was used for communication between Presentation & DAL layers.

Contact Information

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