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PIE Solution

Expertise and Experience

Introduction

By introducing the .NET platform, Microsoft has pushed the envelope for web based applications further. The new and improved .NET 1.1 framework not only refines but improves upon the grey areas that non-believers used to talk against web application. The divide between the technology used for desktop and web based applications is narrowing fast with the advent of the .NET platform.

Content Management with Globalization

PIE Solution has adapted well to Microsoft's technical innovations in the web based application domain. With its very first project after the release of .NET framework 1.0, PIE Solutions exploited the various features and implemented the same in STA Travel's web based portal. This site had its own content management system which allowed the administrator to update 90% of the content of the web site from a web based interface. This content management module is completely configurable and we have converted it to a stand alone module which has subsequently been used in various web based applications developed by us e.g. AMI-Partners, Inc.

Both STA and AMI's web applications are internationalized i.e. they can easily be converted to any language other than English. All the literals i.e. text labels, titles, etc. are picked up from resource files instead of being hard coded in the source code. A resource manager is then used to read the appropriate resource file based on the regional settings of the client computer and the appropriate content is displayed.

Ecommerce

PIE Solution also has ecommerce implementations in its portfolio. We have integrated AMI's web based application with Verisign's Pay Flow Pro Suite. A custom shopping cart was designed to facilitate the online selling process. For STA Travel, the online selling module was integrated with their back end order fulfillment system via order specific remarks in the PNR.

Security

For most of its web based applications, based on the requirements, security was implemented using configurable access control lists. Apart from such standard security, AMI had a specific requirement. AMI's product comprises of market research reports in various file formats i.e. PDF, Excel, PowerPoint, etc. They wanted that these files should not be stored on the web server's file system to prevent unauthorized access by the web server administrators. For achieving this kind of security all the files were encrypted and stored in a SQL Server database, which were only retrieved when a client bought a certain product. These files were sent to the client by extracting them from the database and decrypting them on the fly.

Scalability

PIE Solution has developed a series of applications for the Indian Defense sector which constitute a mini-ERP system on its own. The main feature of these applications is scalability. They have various departments having their own distinct requirements. Apart from this, the systems developed for these departments have to communicate with the other department's system as well as some legacy systems. The architecture created by PIE Solutions included an extensive use of XML to communicate between the various systems. Each department has its own functionalities and business rules, which are quite unique across the other departments. These departments have to constantly interact with each other and share information in form of documents and reports. As the Indian Defense has its own unique style of working, it was very difficult to implement an off the shelf ERP solutions. We took up the challenge of providing them with a unique architecture for achieving the same.

End to End Solutions

PIE Solution has also worked on creating IT enabled solutions for various departments of a financial organization like APACS, UK. Depending on the requirements, PIE Solutions has designed and developed these applications using a variety of technology viz. MS Access, Excel, Word, ASP, Oracle, Livelink, etc. Most of these applications deal with processing incoming financial data from various sources and in various formats e.g. .xls, .csv, mdb, etc. All the financial data that APACS work with is considered very confidential which includes credit card information. PIE Solutions has been able to successfully implement data security procedures for making sure that the data is kept securely during all the development and support efforts.

For most of our clients e.g. AMI Partners, Indian Defense, APACS, PIE Solutions has been the preferred choice for all their IT needs. For most of our clients we have not only deployed systems successfully, but have also taken the onus to maintain their web based application and provide the necessary support for their smooth operations.

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If you have any requirements for your IT related problems, feel free to mail us on **marketing@pie-solution.com**. Our representative would get in touch with you to understand your needs and start a fruitful relation that goes beyond business needs.

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Thank you