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Hospitality f&b management and dynamic menu planner

Legacy application rescue and refactoring

About the client

The client is a global technology and data management company serving the hospitality industry to power and support marketing, sales and events. Their CRM and Marketing SaaS solutions service over 30,000 Premier Hotels in over 143 counties, have over 200 million profiles and over $750 million in annual bookings.

delaPlex has been a primary technology partner with the client for multiple products over five years.

Client need

An intuitive, online suite of menu planning apps needed to be created from a legacy Classic ASP web app. Requirements: ability to setup customizable hotel portals, create menus for property entities and manage inhouse f&b orders. A smart data migration was paramount during implementation.

Product challenges

The legacy system had technical limitations and required re-development using the latest technologies. New required features included Single Sign On (SSO) for all users, web template management, order tracking, and extensive report generation. Strict content security policies and web security standards had to be followed.

The delaPlex solution

delaPlex delivered an enterprise solution that enables web-based f&b management, allows staff to organize, explore and brainstorm menus, provides ability to submit orders directly to the hotel staff, and offers branded online menus for customers. The apps included a robust reporting module with rollup reports per property along with being highly secure, feature rich, responsive, modern, and supports globalization / localization.

How we did it

delaPlex used an agile development process to deliver the customizable, web-based menu planning tool to our client:

- **Project Design Process**
  - Requirement analysis with client
  - Researched available libraries to reduce cost
  - Refactored existing processes

- **User Authentication and Authorization**
  Single Sign On (SSO) using OpenID Connect

- **UI Design and Control**
  JavaScript framework, including Vue.js, TinyMCE, DataTable, Select2, & Sweet Alert

- **Database Migration**
  Entity Framework 6.1, LINQ for secure & safe automatic data migration process

- **Server-Side Technology**
  Microsoft ASP.NET MVC-5 with RAZOR, C#

Core stack

delaPlex is a global software development and business solutions provider helping companies drive growth, revenue and marketplace value. Our innovative business methodology has built an unmatched reputation of bringing an alliance of collaborative industry experts, across industries and skillsets, to clients anywhere around the world.

delaPlex
we solve problems

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