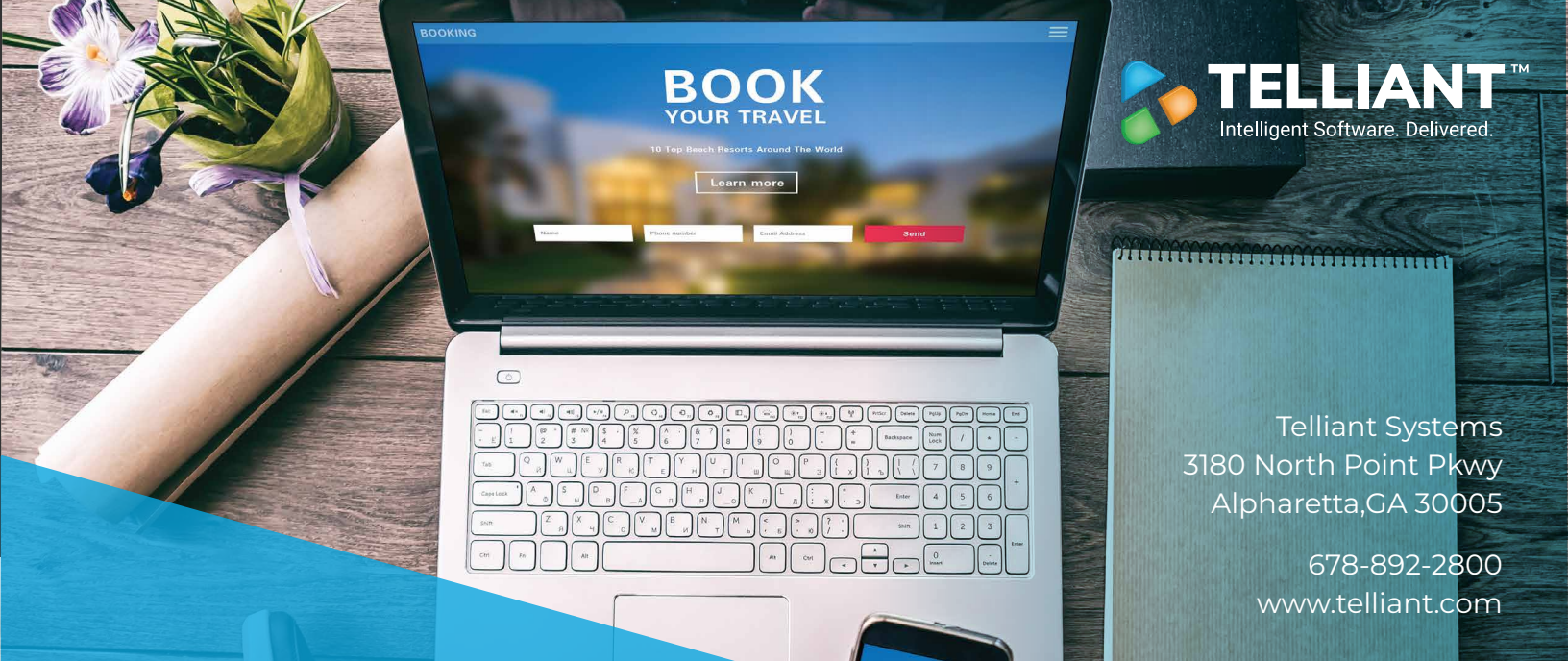




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Case Study

Custom Integrations for Hotel Management Product Suite

The Client

Computer Ingenuity Associates, Inc. (CIA) provides solutions to hotel management companies and hotel owner/operators for the past 20 years.

CIA has 7 applications built in-house that allow a hotel to produce a detailed budget, submit a monthly forecast, supply data revenue and statistics for accounting and to perform profit analysis.

CIA has developed several applications for hotel management companies. Though the applications are stand-alone and independent, they share integrations regarding data and statistics for hotel property revenue.

The Problem

Replacing the outdated legacy application with a highly functional web-based application renamed “aHEAD” (aka Hotel Enhanced Accounting). This application will automate hotel data collection and posting of that data to the client hotel’s accounting system from many external sources with API integrations.

- ✔ Move all functions of the legacy application to a highly sophisticated cloud application with numerous API integrations.
- ✔ Replace legacy-based authentication and authorization with single sign-on.
- ✔ Build new database to consume data from external PMS and POS systems.
- ✔ Integrate Excel (xls andxlsx) workbook applications functionality. Integrate QuickBooks online API.
- ✔ Allow full application access with the online portal.
- ✔ Integrate a help function for hotel accounting practices.



Technology Environment

Telliant recommended the most suitable tech-stack for the project to include the following languages and frameworks.

LANGUAGES

- ANGULAR 8.2.4
- C#
- HTML
- .NET CORE 2.2
- .NET
- Bootstrap 5.0

PLATFORMS/SERVERS

- .NET framework
- SQL Server 2017

INTEGRATIONS

- Quickbooks
- Excel

PMS Integrations

- CHOICE
- NITVIS
- FOSSE
- MAESTR
- SYNXIS
- VISMAT
- MSI

POS Integrations

- BOOKER
- INFOGN
- MAESM9700
- SIMPHO
- EMMAPOS
- M3700
- MICXLSTR
- SPASOF

Solution Highlights

The client needed a customizable and detail oriented Budgeting, Forecasting, and Analytics application platform for the hotel industry. We helped them design and develop a system for Brands, REITS, Large Management Companies, Midsize Management Companies, and Single Hotel Owners and Operators. The requirements included:

- ✓ A highly functional platform with customized API integrations.
- ✓ Application has the latest security sign-on capabilities.
- ✓ Customized roles-based log-ins for each client.
- ✓ Enhanced report options for analysis and auditing.
- ✓ Application will Includes many new intgration APIs for POS and PMS systems.
- ✓ Help option for researching accounting practices.
- ✓ QuickBooks online API integration.

The Results

The client increased its client base and market share significantly with the added functionality, particularly with small and mid-sized hotels.

Changing the application to a web-based platform improved usability and future extensibility for upgrades. The portal expands the ability for users to readily access more features in the platform.

About Us

Telliant Systems, offers a diverse selection of custom software product development services, such as product strategy, software design, application development, QA/Testing, and application management services.

