

WEB APPLICATION DEVELOPMENT

Company Overview

Axean Pacific, Inc., began its business operations in 2000. API provides technology consulting services focused on distributed computing, web application development, project management and compliance, business intelligence, and business process outsourcing. API partners with industry leaders such as Dell, hp, and Microsoft to deliver its solutions. API has a proven track record with its ability to architect and deliver quality solutions to its customers that are relevant, cost-effective, efficient, and aligned with the business.

API develops custom web-based database applications to support companies' internal business and business-to-business application initiatives. We use standard and proprietary methods and toolkits to instill consistency, ensure reuse of components, and positively impact time-to-market and business process initiatives. These methods and tools, combined with industry and client specific practices, help simplify the planning and implementation of its projects. Our methods have been refined over time through practical application in real environments, and provide API's personnel team with the ability to easily define a project, align business objectives, initiate the design and modeling of application and infrastructure components, develop the solution, and deliver product in a structured, managed lifecycle. API's tools and services assist in the delivery of practical distributed computing and web/database solutions. The experiences gained with our clients combined with API's proven methodologies, toolkits and experienced team members, positions API well to support and participate in large-scale application development projects.

API brings experienced, professional resources to each engagement that have true hands-on experience with the methodologies and technologies required to deliver successful solutions while transferring knowledge to its customers to ensure they are self-sufficient when a project is complete.

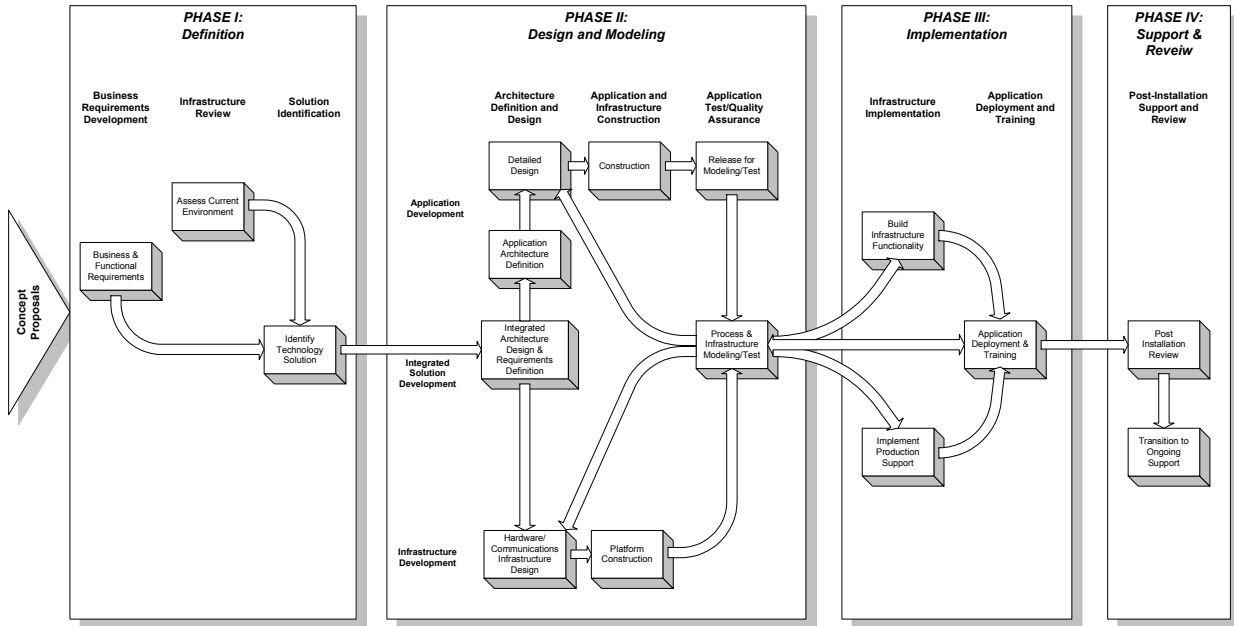
Database Access Through the Web

Our structured approach and tools are designed to create n-tiered intranet and internet applications based on Microsoft, Java or Open Systems technologies with server-side transactional components and scripting. Our database experience includes Oracle, SQL Server, and MySQL.

As of the earliest adopters of database access using web services, API has enabled business systems and e-commerce solutions that also access enterprise and workgroup information stored on internal databases. Through web technologies, our clients have gained business advantage through:

- ✓ The timely deployment of time-to-market web sites.
- ✓ Reduction of the number of supported front-end applications.
- ✓ Reduction application licensing and deployment costs by using web systems.
- ✓ Enhancement of the presence of the company through interactive content.

Web Application Development Model



Case Studies

State Government

A state agency was using a multitude of databases, platforms, applications, and paper-based methods for tracking of children and the services delivered to them and their families. This made it difficult or impossible to provide federal or state mandated reports, and ensure timely, quality service delivery. The customer also needed to be able to submit timely and accurate information for funds reimbursement for delivered services within the state.

API's approach was to develop a single distributed internet application for data collection, reporting, and billing functionality. Using this methodology tailored to the state customer, API worked to bring multiple entities within the state to a common set of requirements and a single data schema. The requirements included the ability to rapidly change the application to meet new or changed data collection and reporting requirements, as legislative and regulatory requirements changed, migration of data from the legacy system, and significant security requirements for information shared between state and private contractors.

API built a multi-tier web-based application to meet these requirements while allowing the state to modify both the data collected and the user interface without modifying code. Business rules could also be modified with little or no code development as well, providing flexibility and growth for future state requirements.

The customer now has the ability to collect more accurate information with a reliable and flexible system. They can produce timely reports with less effort and more accuracy than previously, and can provide the information necessary to maintain required funding for continued services.

Major Healthcare Organization

A major national healthcare organization maintained a large, complex system for national clinical information distribution. The system included multiple environments for development, test, and production. API was selected to provide a web-based interface for migration of clinical information and application meta-data between each of these environments, providing both data and content management for the system.

API developed and provided the tools necessary to manage the data and content between each of these environments, using multiple teams of developers for each aspect of the system, providing both the development methods and tools, as well as the expertise necessary to deliver a system that used multiple data platforms, including both Oracle and DB2, as well as multiple environments and operating systems.

As a benefit of this effort, the customer can confidently manage each set of meta-data in each application environment, improving the accuracy and timeliness of migrated information from development, through test, and, when ready, to production. This results in increased accuracy of the information maintained in its clinical information system, and the resulting financial transactions.

Secure Printing Solution

A global transportation services corporation needed a secure method for bill-of-lading handling, including secure, metered access and printing. API assisted in the effort to provide a solution, providing development expertise and working with multiple vendors and technologies to provide a secured printing solution that both tracked and metered who accessed or printed a document, limited the number of prints for any individual, and ensured the ability to distinguish between original prints and copies. Documents were generated by the system automatically, converted to a PDF format, and could be accessed from a central location controlled by the customer, and distributed via email or the Internet.

With this capability, the customer is confident in the security, confidentiality, and accuracy of each document handled by its employees and customers, and the resulting financial transactions.

Financial Services

A major financial services and banking customer needed a way to manage the inventory and configuration of mainframe systems and components used in its primary data center. API assisted in developing requirements, design, construction, and implementation of a system for support personnel using a relational database and client-server front end, as well as a web front end for management personnel. The resulting application tracked the current configuration, including components, wiring and cabling, and other systems hardware. Included in the system was a visual modeler of the current configuration, allowing personnel to, at any time, obtain a visual model of the system, generated from information maintained in the database.

The benefit of this project was a capability to maintain and view both inventory and system configuration, with centralized documentation of the system. The system also provided improved data integrity, with additional controls on data input and system configuration.

This gave the customer improved confidence in the ability to continue to process financial information with higher system reliability and improved recovery capability.

Capabilities

API brings the following relevant skill sets and technical experience to their engagements:

- ✓ Project Management, PMBOK and Structured Methodologies
- ✓ Business Requirements Definition and Specification
- ✓ Healthcare Computing and IT HIPAA Readiness Expertise
- ✓ SOX Security and Access compliance
- ✓ Business Intelligence
- ✓ Business Process Outsourcing
- ✓ Infrastructure Architecture and Design
- ✓ Business Systems Application Architecture, Design and Development
- ✓ UNIX, Windows and mainframe platforms
- ✓ Managed desktops and thin-client deployments
- ✓ Database Design Development, Implementation, Tuning and Administration
- ✓ Oracle, Sybase, DB2 and other major database systems
- ✓ IBM, Oracle and Sun directory and identity management products
- ✓ Deployment technologies: Load Balancing, Clustering, Systems Management, and Messaging
- ✓ IT Development, QA and Production Environment Management
- ✓ Configuration Management
- ✓ Security Analysis and Implementation (Policy, PKI, Authentication, Encryption, Firewalls)
- ✓ Knowledge Transfer, Documentation, Training, and Code Delivery

Membership in Industry Leading Organizations such as IEEE, PMI, HMSS, and HL7 API brings experienced, professional resources to each engagement that have true hands-on experience with the methodologies and technologies required to deliver successful solutions.

To learn more about our tools and services, visit us at www.axeanpacific.com.