

**Project/Client Name:**  
Contract Anonymity

**Application Name:**  
PMS -Practice Management  
System – a Product Suite

**Industry Served:**  
Healthcare

**Domain:**  
Healthcare

**Category of Application:**  
Web Application Portal

#### Technologies Used:

- **Operating System:**  
Windows 2003  
Server and Windows  
2000/XP Professional
- **Front End:** ASP.Net,  
C#, COM. Interop,  
Java Script, and  
Visual Basic 6.0
- **Database** SQL  
Server 2000
- **Web Server:** IIS 6.0
- **Browser:** IE 9.0 and  
above

**Project Duration:**  
12 Months

**Prime Team Size:**  
25

## About Client

The customer is the leading provider of clinical software, connectivity, and information solutions for more than 20,000 physicians across USA. Their solutions reach from the physician to the patient to all stake-holders in the healthcare delivery process. Their main aim is to enable their clients to deliver better outcomes.



## Business Need

In line with their vision, our customer provides Practice Management System (PMS) as part of their Healthcare product suite that allows users to streamline patient information management and enables practice-wide clinical workflow automation. They want to upgrade existing client server PMS to a web-based system that facilitates organization to stream line claims management, billing process, instant reporting capabilities and multiple resource scheduling.

The project aim was to achieve windows look and feel on a web-based application with major focus on of performance. After careful evaluation, they have approached Prime to help them in meeting their needs.

## Prime Solution

Prime Team has done a detailed study of the client needs and proposed the architecture for the product upgrade with a proof of concept to demonstrate the same. PMS was a joint development effort by the client and Prime. The major aim was to develop web-based specialty-specific Practice Management System (PMS) that essentially:

- Streamlines claims
- Provides easy management
- Improves billing and collections
- Provides multiple resource scheduling
- Offers instant reporting with drill-down capability

The PMS product suite delivered comprised of the following applications:

**Main application:** The main application was designed with extensive features that streamline patient information management and enables practice-wide clinical workflow automation that include:

- Patient Management
- Scheduling
- Financial Processing
- Billing
- Collections
- Reporting
- System Administration

**Engines:** This application facilitates clinical physicians with the following features:

- Information Broker
- Dashboard
- Utilities

**Security Manager:** The Security Manager sub-system was designed to address user and group maintenance needs and facilitates to set role-based security permissions and options.

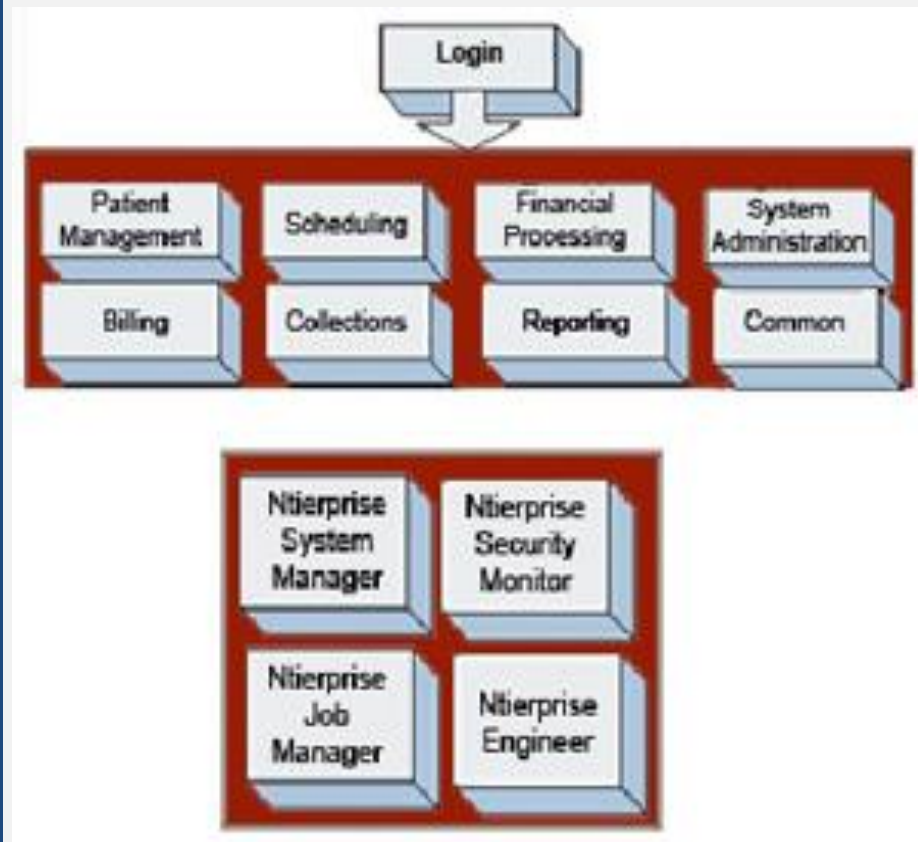
**Security Monitor:** This application provides details of the applications related to PMS running on the system at a given time once the user logs in and includes details such as organization, user, application name, and logon time.

**Job Manager:** The Job Manager manages the jobs running at a given time as part of PMS application.

The team experimented with various 3rd party controls and was successful in matching the performance expectations. The application was delivered with windows look and feel covering all the features of PMS.

### Application Screenshots

The below illustration shows complete architecture of the application



### Key Challenges

- Designing a web-based specialty-specific Practice Management System (PMS) matching the performance expectations of the client was a challenge. Prime experimented on multiple 3rd party controls and was successful in meeting the client expectations
- Application was aimed to have windows look and feel for ease of use by Physicians and was delivered in-line to the requirement

### Client Benefits

The upgraded web-based Practice Management System (PMS) system provided the following benefits:

- Ability to deploy in hospitals with around 50 - 500 clinical physicians
- Hassle-free installation so that physicians only need the browser to access the application
- Ease of maintenance
- Online information regarding patients
- Intuitive user-friendly interface
- Web-based system with the performance of a client-server system

## About Prime

Prime Technology Group is a global, technology services company where innovation is at the core of our business engagements. We develop cutting-edge solutions and carefully select the best Information Technology professionals locally and globally to become ambassadors of your business. This approach maximizes our ability to leverage our award-winning team and their competencies. Prime is the conduit which bridges the immediate business solutions today to the technology advances of tomorrow.

Our candid ability and forethought has enabled us to navigate seamlessly, bridging the appropriate technology solutions that outlast today's technology trends. How do we do this; simply we listen. Team leaders identify poignant solutions and fuse the appropriate framework and infrastructure necessary for unlocking your capabilities.

Prime Technology Group is organized into four technical practices;

- Cloud (Google PAAS, Microsoft Azure)
- Mobility (IBM Work Lite)
- Analytics (Big Data, Predictive Analytics)
- Quality Assurance

Prime develops customizable frameworks, driven by our robust R & D, which become the cornerstone of our solution offerings. Our philosophy in flexibility allows us to leverage our award-winning resources and competencies to exceed our clients' expectations while improving their bottom line.

We have successfully helped hundreds of clients in Healthcare, Insurance, Life Sciences, Banking, Financial Services, and E-commerce. Our imprint has drastically impacted client growth; we are Prime Technology Group, where we are "Bringing visions to life."

To know more about our services, please visit [www.primetgi.com](http://www.primetgi.com).

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