

Financial Services

Insurance

Health Care

Java/J2EE

Mobile Platforms

Microsoft .NET

# JAVA APPLICATION AND WEB PORTING

**Case Study**



**Thapovan**  
In pursuit of perfection

Investment Management

Investment Banking & Brokerage

Custody & Clearing Services

Corporate Services

## The Client

Founded in 1984 the client started as a small private practice serving northern New Jersey and Manhattan. They offer Five Element Acupuncture and The Roling Technique of Structural Integration., which are personalized and tailored to suit individuals.

They also have an online venture Air Cleaner Store that sells Austin Air cleaners, a highly effective, reliable and affordable solution to indoor air quality problems.

## The Business Challenge

The association with Thapovan began when the client required:

- a) A medical reimbursement software File Mate to be integrated with their own website. The website had a program to register and maintain the clientele data.

The client was facing issues with the customer data being maintained separately and with having to manually track individual customers in the File Mate program. They wanted a solution to seamlessly integrate the data between the two applications, reduce manual intervention and tracking, thus reducing manual error.

The goal of the project was to fill in the "Patient and Insured Information" fields of the Health Insurance Claim form (HICF 1500). When the patient completes the form, the patient data would automatically be uploaded to the File Mate - 1500 program with the "Physician and Supplier information" filled in. This File Mate program then printed the forms for claim.

- b) Consolidation of two different websites to one website. This was a time sensitive requirement as the service provider was withdrawing support for Joomla, on which the websites were hosted.

The Client chose Thapovan for its demonstrated experience in building high-performance applications and for its reliable and trusted partnership. The client was impressed with the turn-around time and solution provided for the File Mate application and entrusted us with the website project as well.

## The Engagement

The engagement included the following:

- Research and technical leadership
- Interaction with File Mate technical team
- Design and development of stand alone application for MAC
- Design for porting of website from Joomla to Wordpress

## Solution Highlights

For the File Mate project, Thapovan developed a stand alone java application to run in the machine where the FileMate data file was stored. The program, using a secure connection, downloaded the patient data and updated the excel file (the data file used by FileMate).

This design required integration with the File Mate program, which could monitor a local folder and import data files as and when they appeared. Thapovan liaised with File Mate and programmed an executable that imported new data on system startup. An additional interface was provided to the client to schedule the import as and when required.

For the second requirement, the client website was redesigned so that the two websites could be ported and merged using Word Press. Additional features like Digital Product Delivery and mailing facilities were added to the existing website to enable end users order products online.

### **Digital Product Delivery (DPD)**

DPD is an easy to use digital publishing platform for selling and delivering downloadable content. The products have to be created and stored as files on DPD's fast, and reliable servers. The platform allows you to create buttons to sell your products and integrates with other systems like PayPal. When customers buy the products all funds are paid directly to the payment processor and DPD securely delivers the products

### **Mandrill**

Thapovan used mandrill for sending invoices for the purchases completed in DPD Cart. Mandrill is a scalable and affordable e-mail infrastructure service, with all the marketing-friendly analytics tools that help in tracking activities like mail delivery, failure, and read status.

## Technology Environment

### Major Technology Components:

Language: PHP 5.3.10  
Webserver: Apache  
Database: MySQL 5.5.32  
Frameworks: WordPress

### Standalone application for MAC:

Language: Java

## Results Achieved

### The client achieved the following major benefits from the partnership:

- Project was delivered on time as promised
- The client received an easy to maintain, user-friendly, and customized application
- The application has rich functionality, is high performing, has high availability, and is easy to administer
- Efficient use of technology led to a wonderful user experience