

Online Broker Management System

For selling tickets and booking hotels

Business Situation

We were asked to develop a web application which can communicate with the ticket selling platform/plugin, have geo targeted advertising capabilities searchable based on venues, artist, event, time and so on. Apart from ticketing functionality, there was need for booking hotels in the nearby areas. Other capabilities requested are that the website needs to be templatable so that they can sell mirrors for this website.

Application features implemented by Mindfire

Mindfire Solutions with its years of experience picked up this challenge. We approached the client with our responsive solution to this requirement.

This project had a wide range of functionalities. Having looked at the requirement, we suggested the client to go for Joomla CMS which will stand up to the requirements. With its flexible wide range of features (**MVC architecture, multiple template support, availability of different plugins, components, modules, multilingual support**), Joomla was an ideal choice.

This project was rich with many components, modules, plugins, and templates. We followed **Joomla MVC architecture** for separation of business layer from presentation layer. MVC also allows for modular code and maintainability. This is the recommended way of developing any Joomla based professional website.

We also suggested having a central Joomla installation which will serve as the repository or the master site and provide data to all the slave sites. The other slave sites will have the same functionalities but they will communicate with this central database. They can have a different look/template to look as different sites.

For geo-targeted advertising capabilities, we used **OpenX** module for Joomla. This is a very effective module when it comes to showing different advertisements depending on geographical locations.

For hotel booking, we integrated **TripAuthority** web service which allows showing all available hotel listings in the nearby areas of the event locations.

Client also wanted to have eye-catching slideshows for each page depending on functionality. So we integrated **FrontPage Slideshow** and customized this.

For all sorts of transactions, we had used **PayPal payment gateway** which is highly considered for online transactions.

About our Client

Client Online Broker Management System | **Location** US | **Industry** Entertainment and Hospitality

Technologies

LAMP, Joomla 1.5, MySQL, TripAuthority Webservice, OpenX, jQuery

Achievements

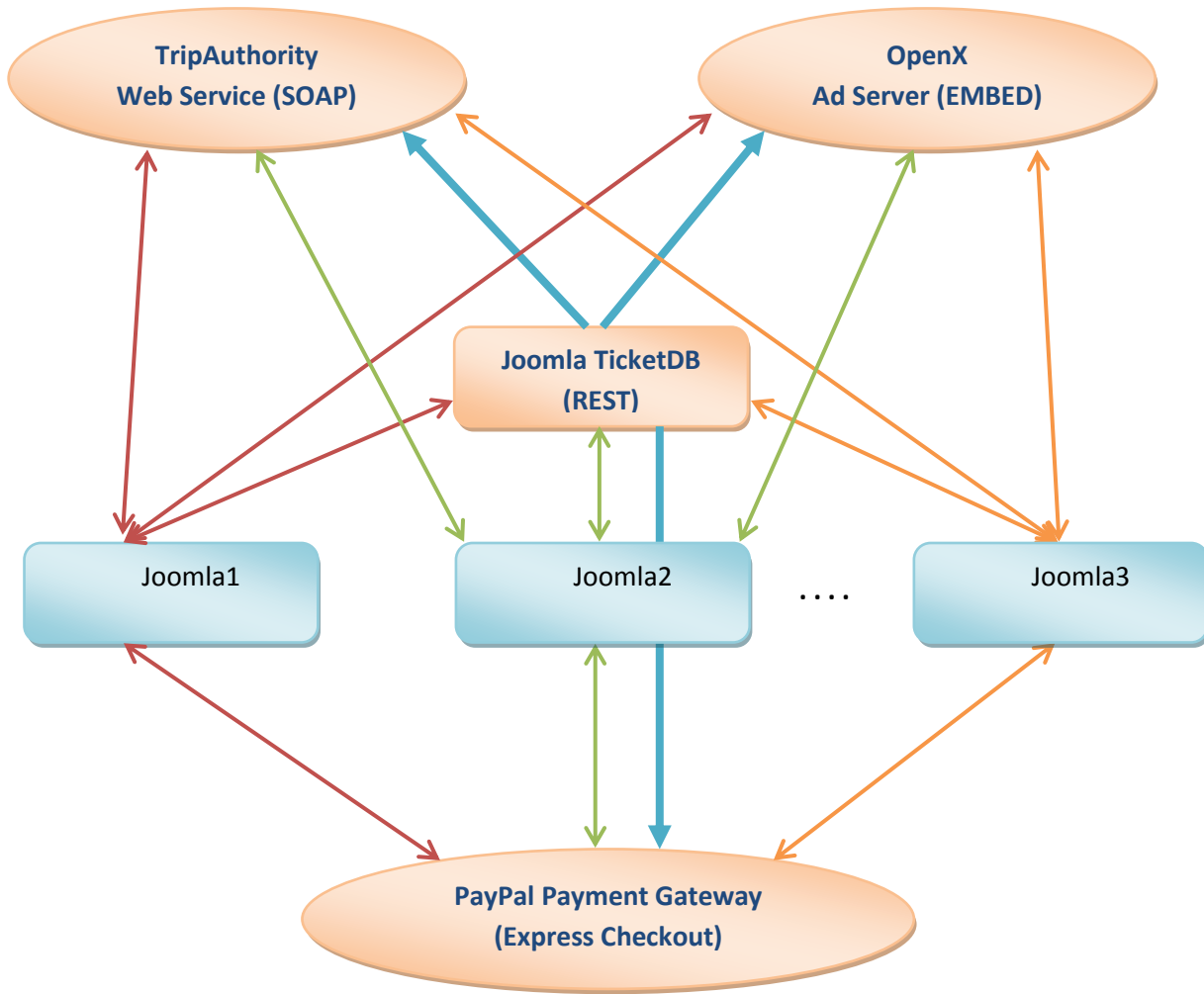
- ✓ MVC architecture based extension development
- ✓ Integrating TripAuthority webservice
- ✓ Integrating OpenX Joomla module
- ✓ Integrating FrontPage slideshow
- ✓ PayPal payment gateway integration
- ✓ Integrating different templates
- ✓ Compatible with advanced browsers on cross platforms

Customer Benefits

We provided the client with a very user friendly interface to manage with. With the integration of **TripAuthority** webservice, all hotels related data available throughout the world can be accessed. The system will automatically take care of all these details. Our solution to his requirement multiplied client's revenue and he was very much impressed with our timely project delivery.

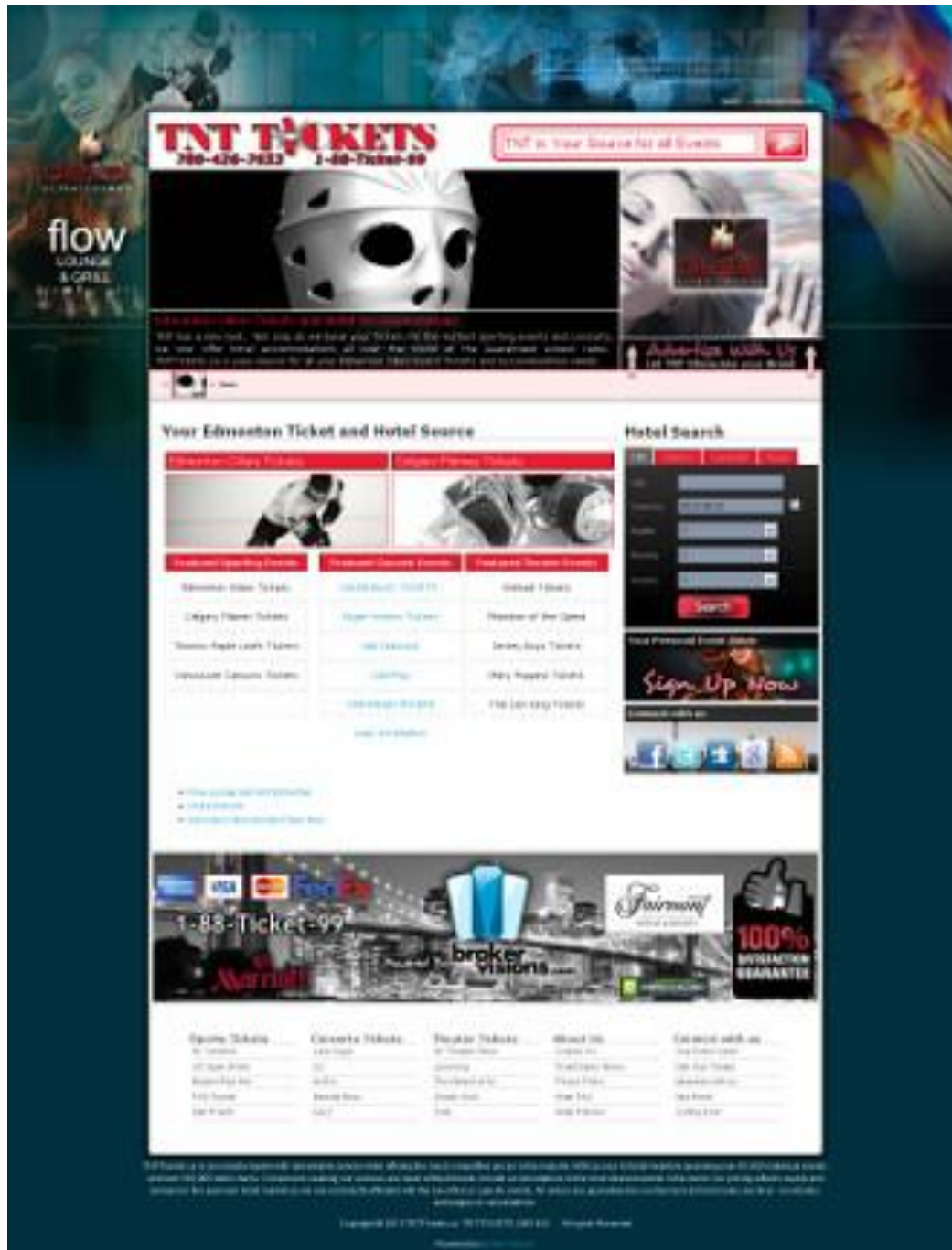
Architecture Diagram

Given below the architecture diagram of the TicketDB application



Application Screen Shots

Home Page



Hotel Listings

528 hotels in New York City, NY and nearby cities

Hotel Search Criteria			
City	New York City, NY	# of Nights	1
Check In	2013-03-22	# of Guests	1
# of Rooms	1		

Hotel Preferences

Hotel Rating	Hotel Amenities	Property Type
<input type="checkbox"/> ★★★★★	<input type="checkbox"/> Airport Shuttle	<input type="checkbox"/> Resort
<input type="checkbox"/> ★★★★☆	<input type="checkbox"/> Complimentary Breakfast	<input type="checkbox"/> Hotel
<input type="checkbox"/> ★★★☆☆	<input type="checkbox"/> Fitness Center	<input type="checkbox"/> Ext. Stay
<input type="checkbox"/> ★★☆☆☆	<input type="checkbox"/> Free Local Calls	<input type="checkbox"/> Bed & Breakfast
<input type="checkbox"/> ★☆☆☆☆	<input type="checkbox"/> Internet Access	<input type="checkbox"/> Motel
	<input type="checkbox"/> Kitchen/Fisherette	<input type="checkbox"/> Vacation Rental
	<input type="checkbox"/> Pets Allowed	
	<input type="checkbox"/> Pool	
	<input type="checkbox"/> Restaurant on-site	
	<input type="checkbox"/> Social Hour	

Update

THE NEW YORK HEUMSLEY HOTEL
NEW YORK (NY) US
212 East 42nd Street, New York, 10017
Hotel Amenities Available
No Availability
View Hotel Details

EMPIRE HOTEL
NEW YORK (NY) US
44 West 42nd Street, New York, 10036
Hotel Amenities Available
206.10 USD
View Rates
View Hotel Details

LA GUYONNE MANHATTAN
NEW YORK (NY) US
17 West 52nd Street, New York, 10001
Hotel Amenities Available
99.99 USD
View Rates
View Hotel Details

Future relationship

The client was pleased with Mindfire's effort and reckoned that they were happy to have discovered a professional offshore IT unit. We shall continue to be the service provider for the next versions of the client's product. They have not only allocated the support and maintenance work of the current system to Mindfire but have also chosen us for future customization work.