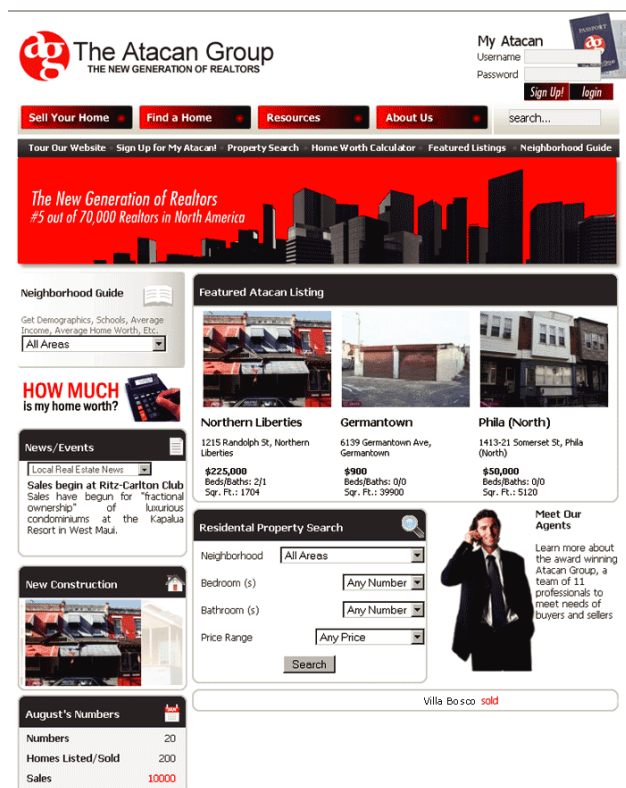


Real Estate Site

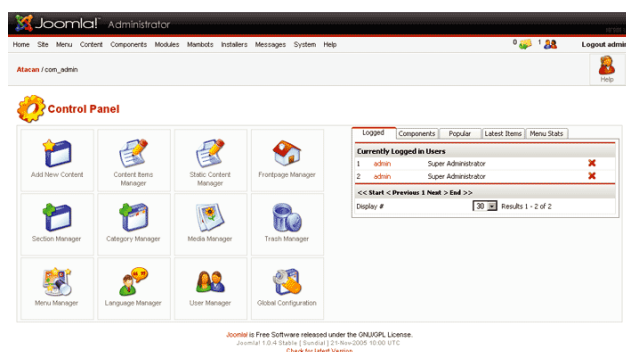
It's a complex well thought-out system for real estate agency. This site is full of functionality and different features that makes Client's work easier and Agent's work more successful. The Client inputs his or her requirements about a house or an apartment to rent and gets all the information about the location, conveniences, price, etc. Integrated map shows the accommodation's



Picture 1. The Interface

Integration with Joomla

We made the front-end in Joomla, which is a powerful open source content management system the site content is based on.



Picture 2. Joomla CRM

MLS

MLS is a multiple listing service, which stores a database of real estates from many real estate agencies. MLS database can be updated remotely by real estate agents. Atacan downloads updates from the central MLS enlarging its database and saving in Sugar CRM.

SugarCRM

We used SugarCRM with its own database storing all information about real estates to make the backend of the site.

We made a breakthrough in developing SugarCRM additional module. This is the basic module with all information about real estate items. The major advantage is that the properties module reflects information from MLS database. With SugarCRM, agents can make search and edit the database. Besides, a multi-user access is implemented in the system.

We want to pay your attention to interesting functionality developed specially for this project. The central point of it is communication between Agent and Client.

- Agent can recommend his client a real estate item by ticking the preferred item in CRM. As a result, when Client logs in, he or she immediately receives all information about the recommended item.
- Agent can also choose any item he or she needs to advertise on the main page of the site. It can be done just in one click. Thus, Agent can form the main page as he needs without coding it.

One more interesting module developed by us is Private Mail. The private module is an inner part of SugarCRM, which is a kind of mail messenger between agents and clients. Here are usual inbox and outbox folders implemented, which makes communication between Client and Agent much easier. When Client logs in, besides the account he or she automatically gets into possession a mailbox. This mailbox is only for inner use as all the

messages are sent to the Agent and there is only the Agent's name in the filed "To".

Client also receives an additional feature such as "Schedule a visit", which means making a date with the Agent.

SugarCRM via SOAP

All Client's data, such as login, profile, etc., is stored only in SugarCRM. Joolma receives all data from SugarCRM through SOAP. SugarCRM contains SOAP server and samples of SOAP functions. All additional SOAP functions were custom-built. This minimizes development time and makes maintenance easier.

The screenshot shows the SugarCRM interface with the following data:

Properties: 8447945	
Listing Number: 8447945	New Construction: Y
Price: 1275000	Type of Property: Condo
Status: Active Listing	Change: 3
Date: 2006-02-12	Furnished: N
Agent: 200006	Property ID: 844794505
Discr:	Buyer Agent:
Subst:	Seller Agent:
Rating: 1	Total Rooms: 0
Street: 1215 Marlborough St, 1	Bedrooms: 2
City: Philadelphia	Bathrooms: 1
State: PA	Partial Status: 0
Zip Code: 19122-1318	Assoc. Fee:
Subst: Marlboro Liberties	Assoc. Fee Freq:
File: 42191	Condo Assoc.: N
Area Code: 61032	HO Assoc.: N
Zone: R10	Address FTN: Y
Lot Dimension: 18005	Photo:
Architectural Style: Contemporary	Type: Condo

Settlement Information:

Event	Date	By
Execution Date:		
2nd Deposit Date:		
Settlement Date:		
Mortgage Commitment:		
Seller Assessor:		
Assessor of Sale:		
Inspection Deal/Bid:		
Mortgage Application Deal/Bid:		
Final Inspection:		
Final Inspection:		
Lead Based Paint Inspection:		
Listing Agency:		
Property Inspection:		

Picture 3. Sugar CRM

Google Map Integration

We integrated Google Map to give more information about the addresses and places of real estate items. Coordinates of every item are saved on the server side and download to the map via a geocoder.



Picture 4. Map

AJAX

Ajax is a Java script which makes possible to re-download not the whole page, but only necessary parts of it. It decreases launching time and traffic.

It's especially useful when user use Map. Any page can pump only the part of itself with the map.

Developers Group

- Dmitry Samborsky - Project Manager
- Dmitry Reshetov - PHP + MySQL + AJAX Developer (SugarCRM)
- Vasily Sergeev - PHP + MySQL Developer (Joomla)
- Roman Pliss - PHP + MySQL + AJAX Developer (Joomla)