Blue Lab
IT Broker
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(310) 564-6738

Blue Lab IT / ING Software application portfolio

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About Us

BLUE LAB is US based IT broker firm, teamed up and partnered with ING Software - an Eastern European IT development and offshore outsourcing company, providing R&D, software engineering, SEO, industrial design and IT consulting services. We aim to provide you personalized service tailored to meet your specific needs. Our main advantages are wide area of IT expertise and fast, flexible and reliable development.

We have industry-specific expertise in computer graphics, entertainment, medical software, media development, manufacturing, and finance.

Our Services

BLUE LAB provides various IT outsourcing services worldwide. Our experts cover a wide range of industry and technology expertise providing professional service to our clients. We can help your business grow smoothly while working behind the scenes. We offer following outsourcing services:

- Research & Development
- Software Engineering
- Design
- SEO
- Support & Maintenance
- Consulting

Our way of doing business is to approach each client as unique. Working with you, we gain an understanding of your Business IT Support needs and your priorities which enables us to deliver custom built IT solutions and services.

By choosing custom software development instead of already existing software solutions you will get exactly what you need. You will adjust your software to your business, not your business to already existing solutions. End-user driven customization will optimize your business and cut your expenses, especially on the long term basis.

Research & Development

BLUE LAB offers complete problem solving services. Whether you are developing a new product from scratch or improving existing one, our experts have the experience, expertise and resources to facilitate your needs.

These are some of R&D areas that may be interesting for your business:

- User experience improvement
- User behavior analysis
- Technology research and porting existing projects to new technologies
- New technologies and algorithms development
- Applying computer science to real world problems

Previous research pointed out that companies with a persistent R&D strategy outperform those with an irregular

or no R&D investment program. We are making a great effort to include R&D in every building process, providing more effective and optimized results.

Software Engineering

BLUE LAB has three main departments, working in the following software engineering areas:

- Desktop and Enterprise Applications development
- WEB development
- Mobile devices development

We have experienced teams consisting of:

- Software engineers and programmers
- Project managers
- Business consultants
- Testers
- Designers
- Technical writers

We can create a custom built team of dedicated developers working on your projects and adjusted for your specific needs, allowing you to achieve fast and quality development and to reduce development cost and your management engagement.

Our application development experience in various programming languages and on various platforms allows us to make better decisions while selecting platform and designing software architecture. We developed products for wide range of different industry sectors.

Design

BLUE LAB can offer wide range of professional industry design solutions:

- WEB design
- Game design
- GUI design in general

Our designer team works closely with our development departments, enabling us to provide complete solutions to our clients. We not only deliver good looking design. We will help you to create unique image and identity of your business and your projects.

SEO

BLUE LAB offers all standard SEO (Search Engine Optimization) related services that will help you to improve Google, Bing, and Yahoo search engine page rankings and to increase monthly traffic:

- Keyword compliance research and finding of adequate content keywords
- Competitor product research
- Achieved results analysis
- Finding virtual marketing opportunities and online branding
- Data content analysis
- Site optimization
    - Meta-data creation
    - Building sitemaps and sitemap optimization
    - Navigation optimization
- Non-Linked references optimization
- Social media setup optimization
- Partnership opportunities research
- Backlinks management
- Directories management
- Article distribution
- Reporting

Support & Maintenance

Finalizing project development is just the beginning of the application life cycle. Real quality of the service is best measured by the quality of support & maintenance process that follows.

We can offer full support & maintenance for all of the projects developed by our team or co-produced with our partner companies and other third parties. BLUE LAB provides follow support & maintenance services:

- Regular bugfixes and improvement updates
- Custom features ordered by clients
- Software localizations
- Troubleshooting with the help of our experts

Consulting

We are dedicated in supporting small and medium sized businesses with IT Support and IT Consultancy solutions. We aim to provide personalized and flexible level of service which cannot be matched by larger competitors.

Whether you are developer seeking for help in technology you are using in your projects or a client using some of our products, our experts can help you solve your problems. BLUE LAB can offer following consultation services:

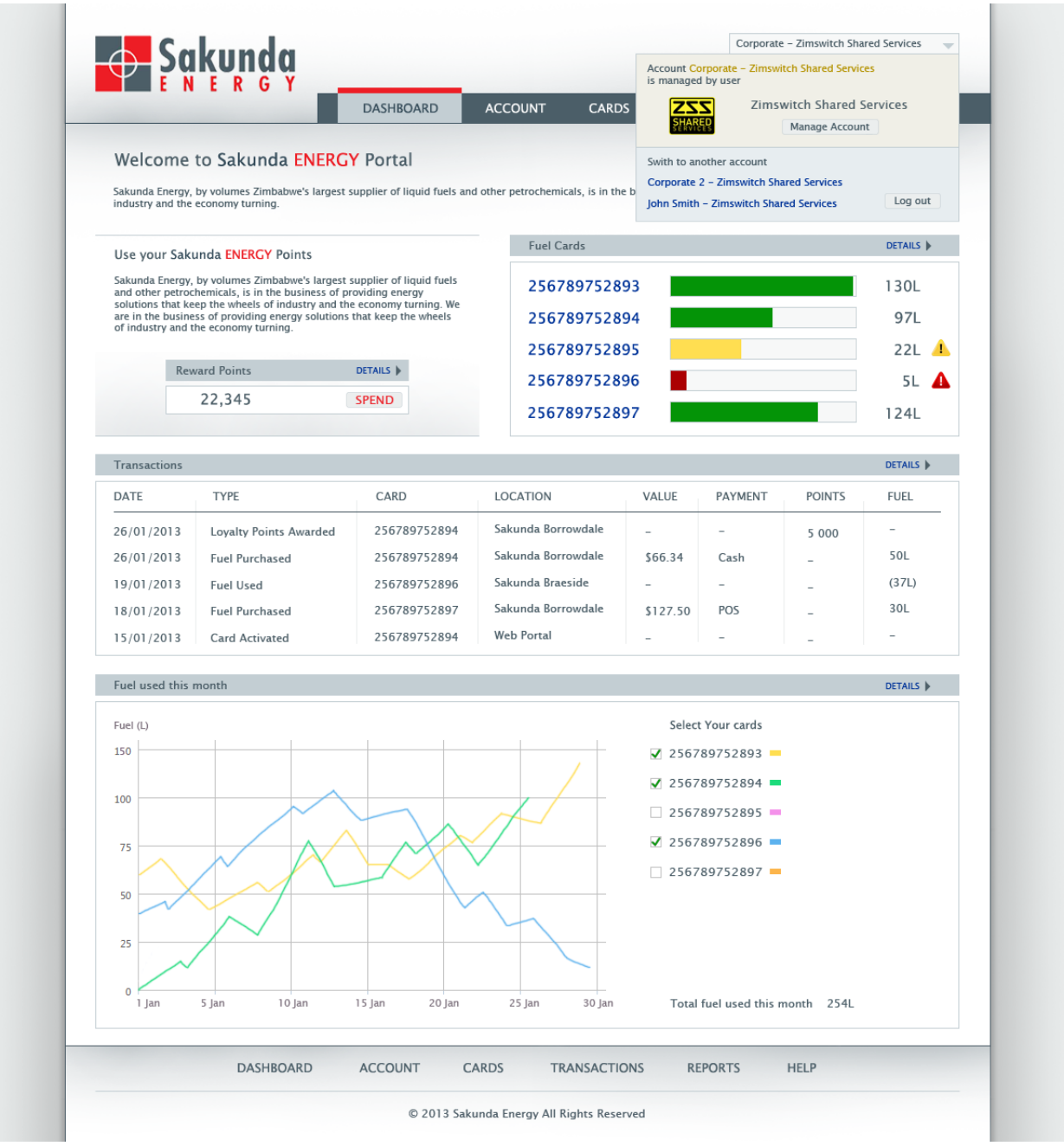
- Help with our products
- General development help

We can provide you consultations concerning technology (see Technology section for more details), software engineering, project management and your business process optimization.

WEB & Enterprise Development

Sakunda Energy Portal

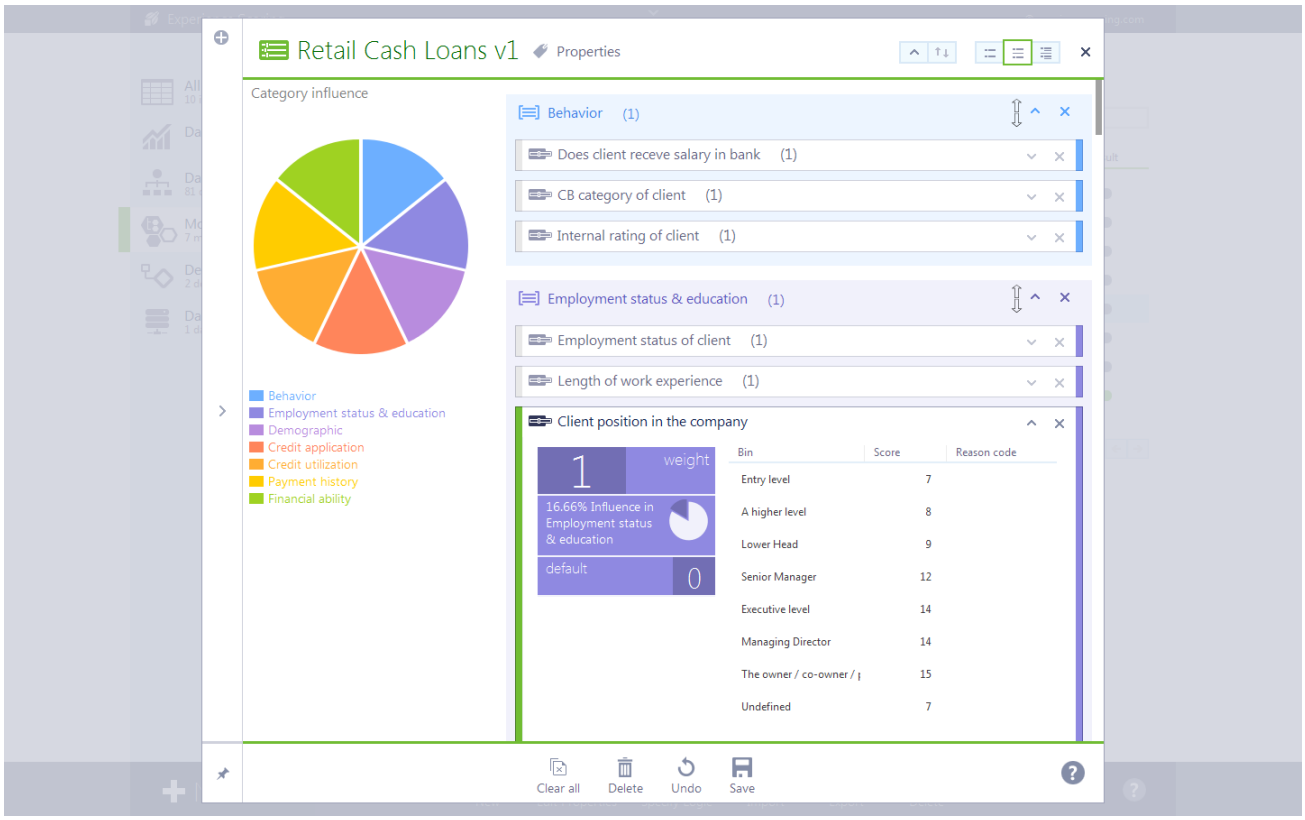
SakundaEnery is Zimbabwe's largest supplier of liquid fuels and is the main energy provider in the region. Sakunda Energy Portal enableSakunda customers to purchase pre-paid fuel and earn loyalty points on any Sakunda purchases. The system will be designed to enable full off-line (Smart Card) and on-line (Magnetic Stripe) transactional functionality.



Portal provides support for Individual and Corporate users, as well as special interfaces used by front offices and back offices.

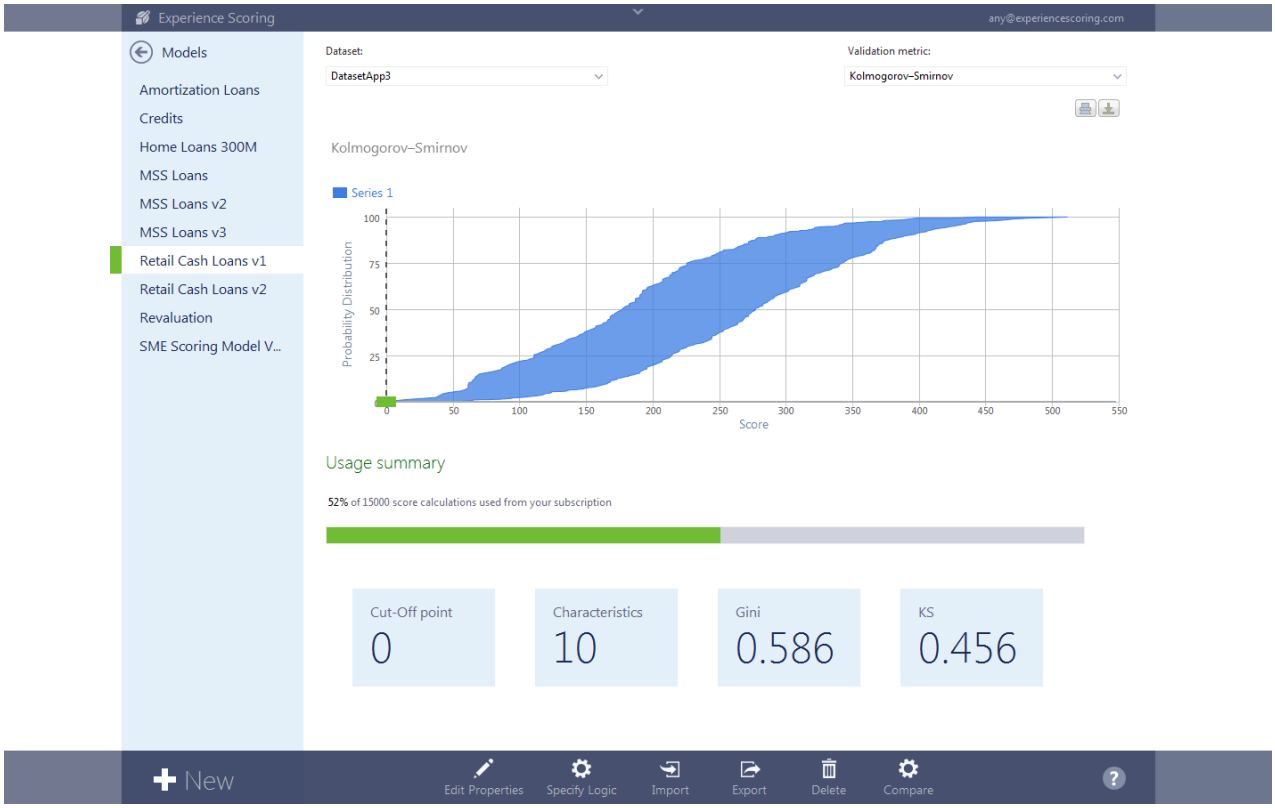
Enterprise Scoring

What is Experience Scoring is an application that automates operational decision cycle. This application is designed to help banks automate important operational decisions and maximize performance of their predictive models. Unlike previous scoring solution, Ease of use and simplified access to data and expertise, the solution enables centralized approach to model management—from development, ongoing validation and monitoring all the way through to model refreshment and revision of decision strategies.



This product is a single page application based on Windows Azure concept and cloud services and is developed in bleeding edge technology:

- .NET 4.5
- MVC 4
- Entity Framework 5 featuring Code First concept



It is still under development for Asseco SEE.

CroWWnbet

Crowwnbet is our pilot project in online gaming industry. It will be an online casino for all Internet users. Final release is scheduled for the second quarter of 2011. This site is not only a collection of games. It also handles user management, global casino logic (such as global jack pots and bonuses), news, etc.

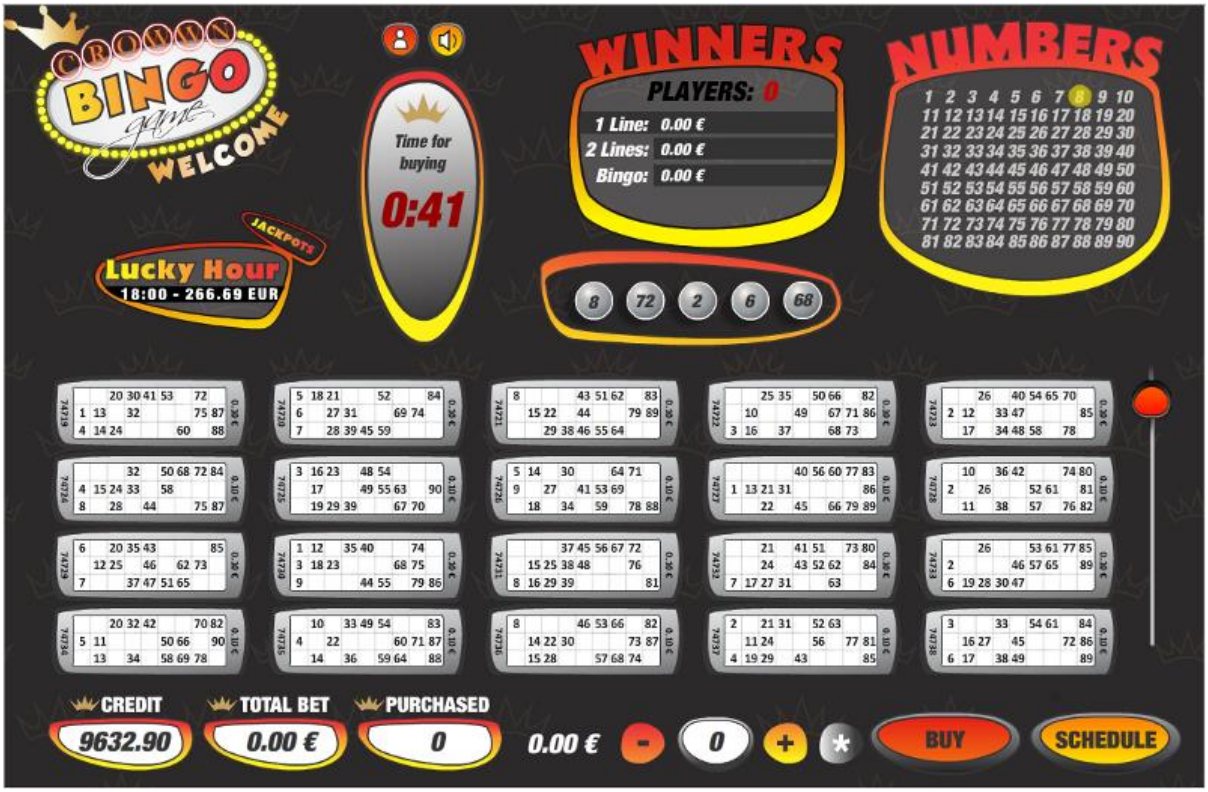
Please take a look at CroWWnbet demo (demo.crowwnbet.com) and experience online casino by yourself.

First version will feature CrownwnBet BINGO game, with various exclusive bonuses:

- Happy Play
- Happy Hour
- Second Chance
- Bingo Jackpots

We are planning to add more games in the future:

- Keno
- Texas Hold'em
- Roulette
- Various slot games



SoundSugar

We were engaged in development and maintenance of the SoundSugar music community site. This site is a social service aiming to provide a chance for new and quality artists to be seen by the wider public. Users are able to make their personal pages and upload their music.

There are plenty of cool AJAX widgets and unique music browsing solutions involved in this site development. Take a look at SoundSugar site (www.soundsugar.net), see what we made and listen to a new and undiscovered music.

ShareTV

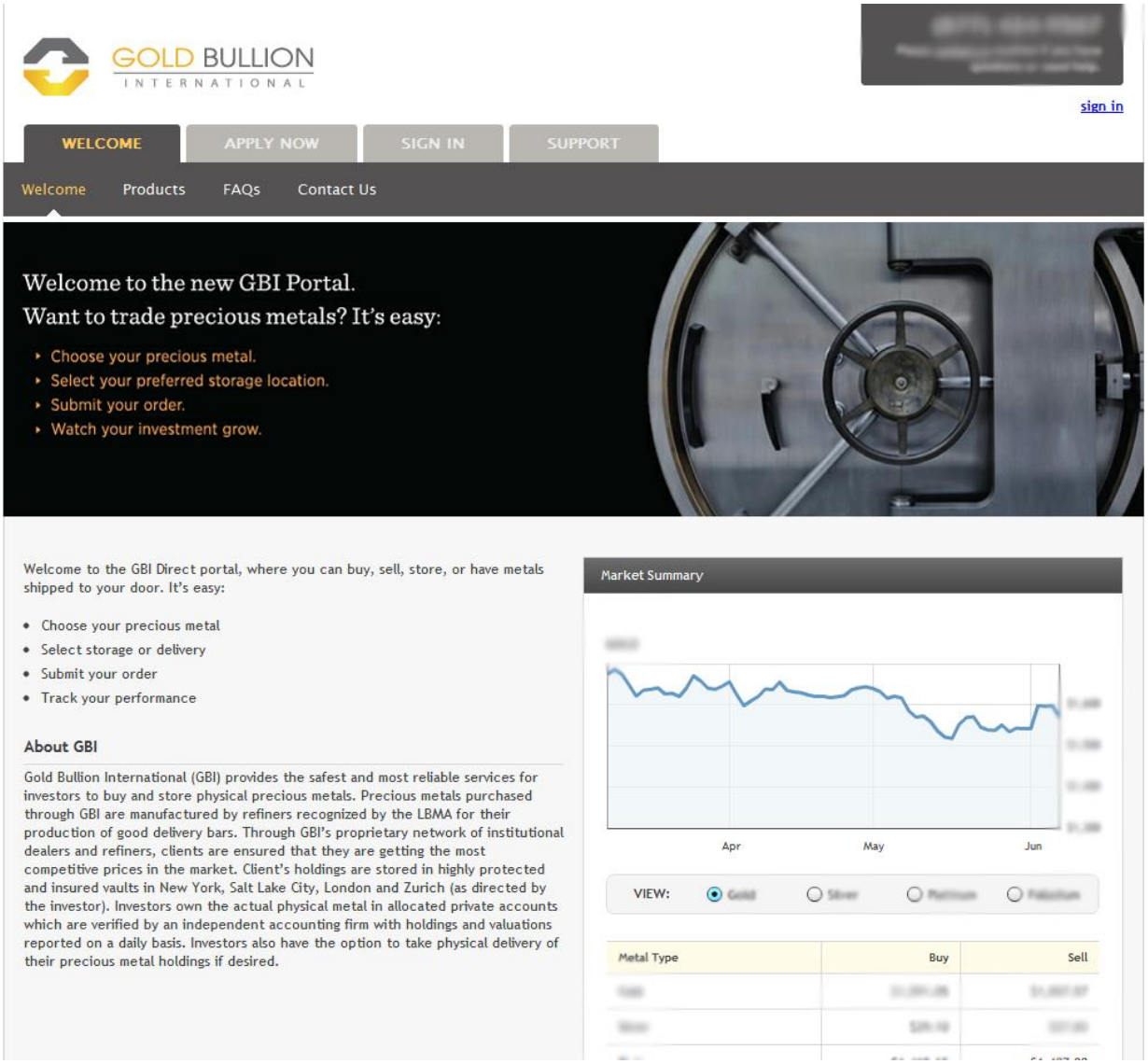
ShareTV is an online community for fans of network television. There are pages setup for just about every show you can think of. For each show there are episode guides, pictures, cast/celeb info, videos, trivia, all submitted by other ShareTVmembers.

You can create a profile to make it easier to keep track of all your favorite shows and videos. Once you've filled in your profile you can give your rating and review on all the shows and related stuff users submit. And when you get the hang of things you can get more involved by submitting your own TV resources you find.

Gold Bullion International Trading Portal

BLUE LAB is currently outsourcing Gold Bullion International (www.bullioninternational.com) projects. We are engaged in their trading portal development, front-end and back-end.

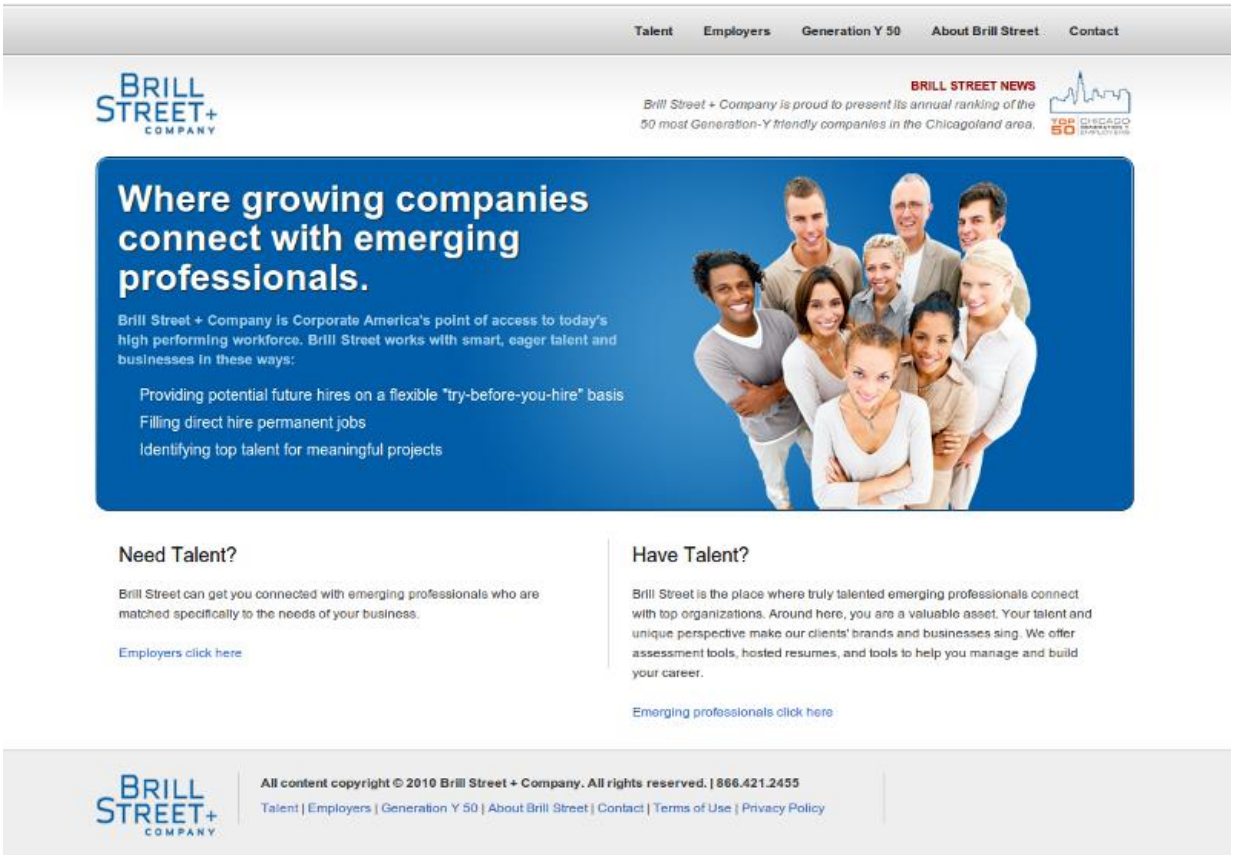
Due to confidentiality reasons we can not provide detailed information and screenshots for these projects.



Brill Street

Our development team participated in the front-end and back-end development of this community site. The goal of Brill Street is to establish an early, enriching dialogue between the world of business and America's emerging workforce.

This project was provided by Otherwise Inc. and developed in cooperation with Canicinteractive, LLC.

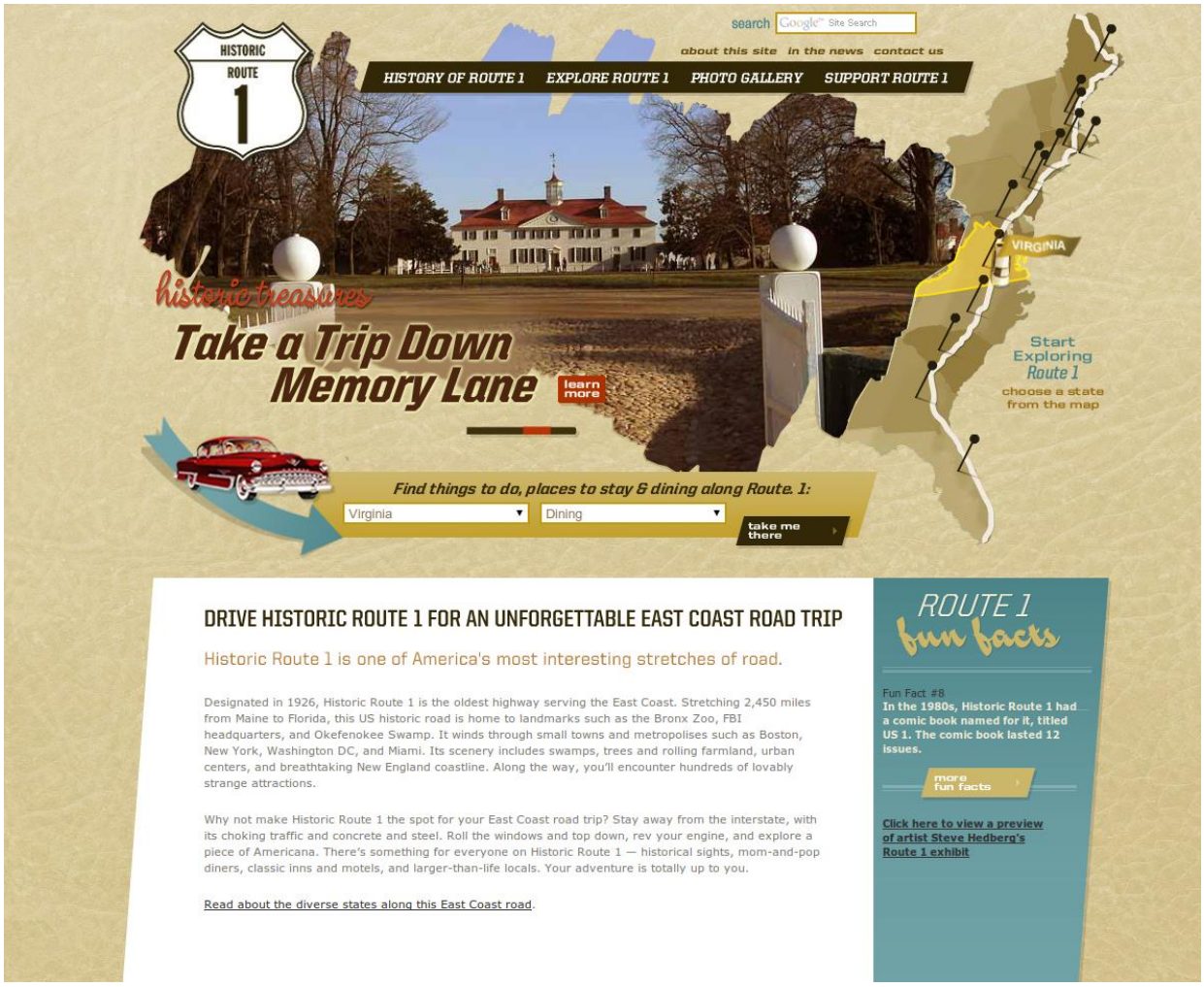


Historic Route 1

The purpose of this website is two-fold: preserve the infrastructure and history of Historic Route 1 and introduce new generations of travelers to this enchanting slice of Americana. The Web site emerged from the efforts of many tourism and political leaders, activists, and special-interest groups committed to celebrating and recognizing Historic Route 1's unique place in the American tapestry.

Our development team was involved in back-end development and Google Map usage and customization.

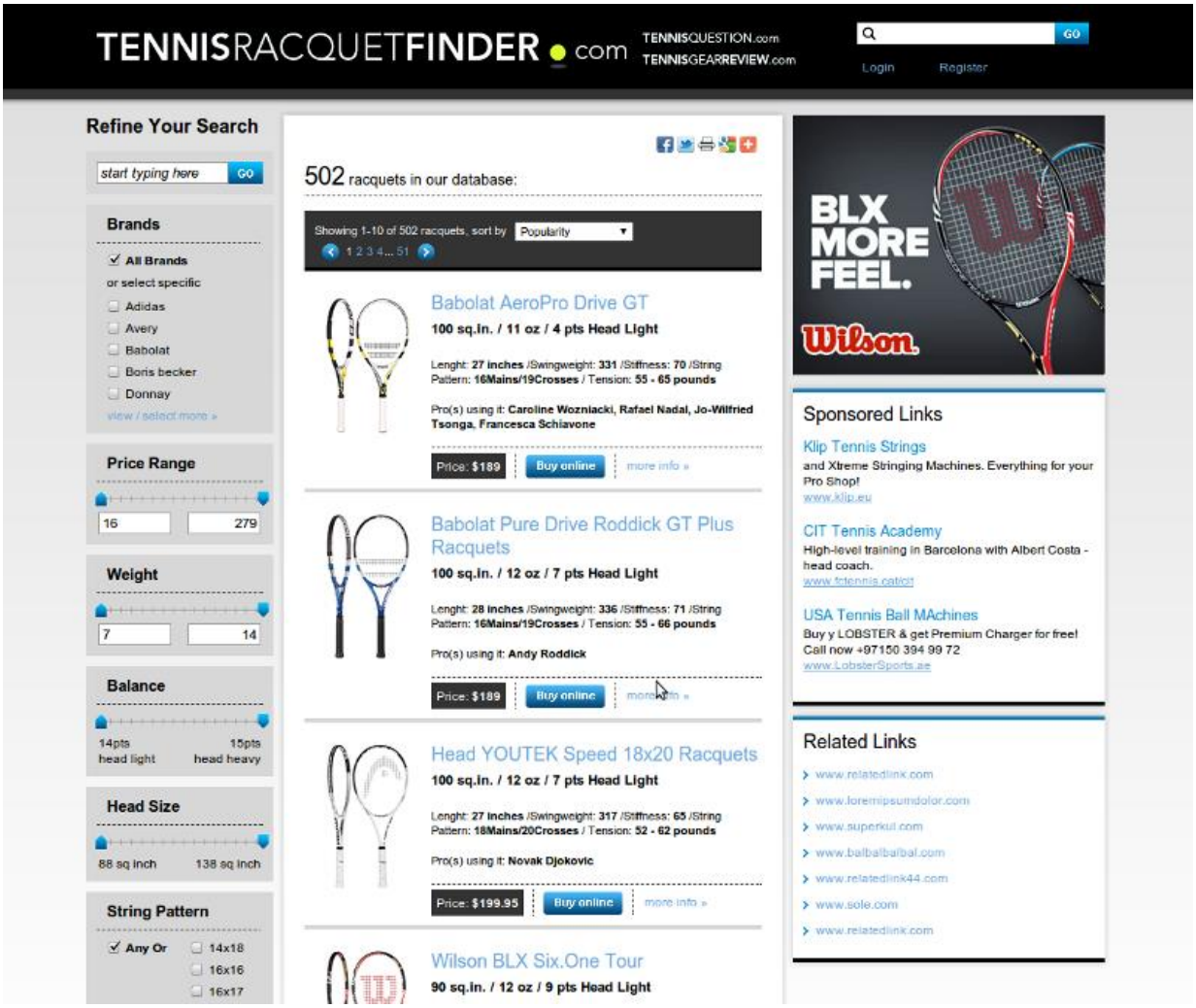
This project was provided by Otherwise Inc. and developed in cooperation with Canicinteractivellc.



Tennis Racquet Finder

Tennis Racquet Finder is tennis equipment search portal. You can search a large database of tennis racquets and other tennis equipment and refine search results using various parameters.

This project is still under development for Canicinteractive. We are engaged on back-end and front-end development.



Lazaro Weddings

Lazaro Weddings is wedding dress rental website. You can go browse through the huge database of wedding dresses and galleries and choose ones that fit your needs. This website allows you to create a list from your favorite dresses, make reservations and try them live.

LAZARO

KOLEKCIJE – MOJA LISTA – UPOZNAJ MLADENCE – PROIZVOĐAČI – KONTAKT – facebook

WWW.LAZAROVENCANICE.RS WWW.LAZAROWEDDINGS.COM

Razvoj i Dizajn ING Software

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Flash Games and Applications

BLUE LAB was involved in development of various Flash/Flex applications and games. We can offer following development solutions:

- RIA Flex development
- Standalone Flash client-server games developmentDX
- Facebook games development
- Application and games integration to existing back-end systems
- Banner design

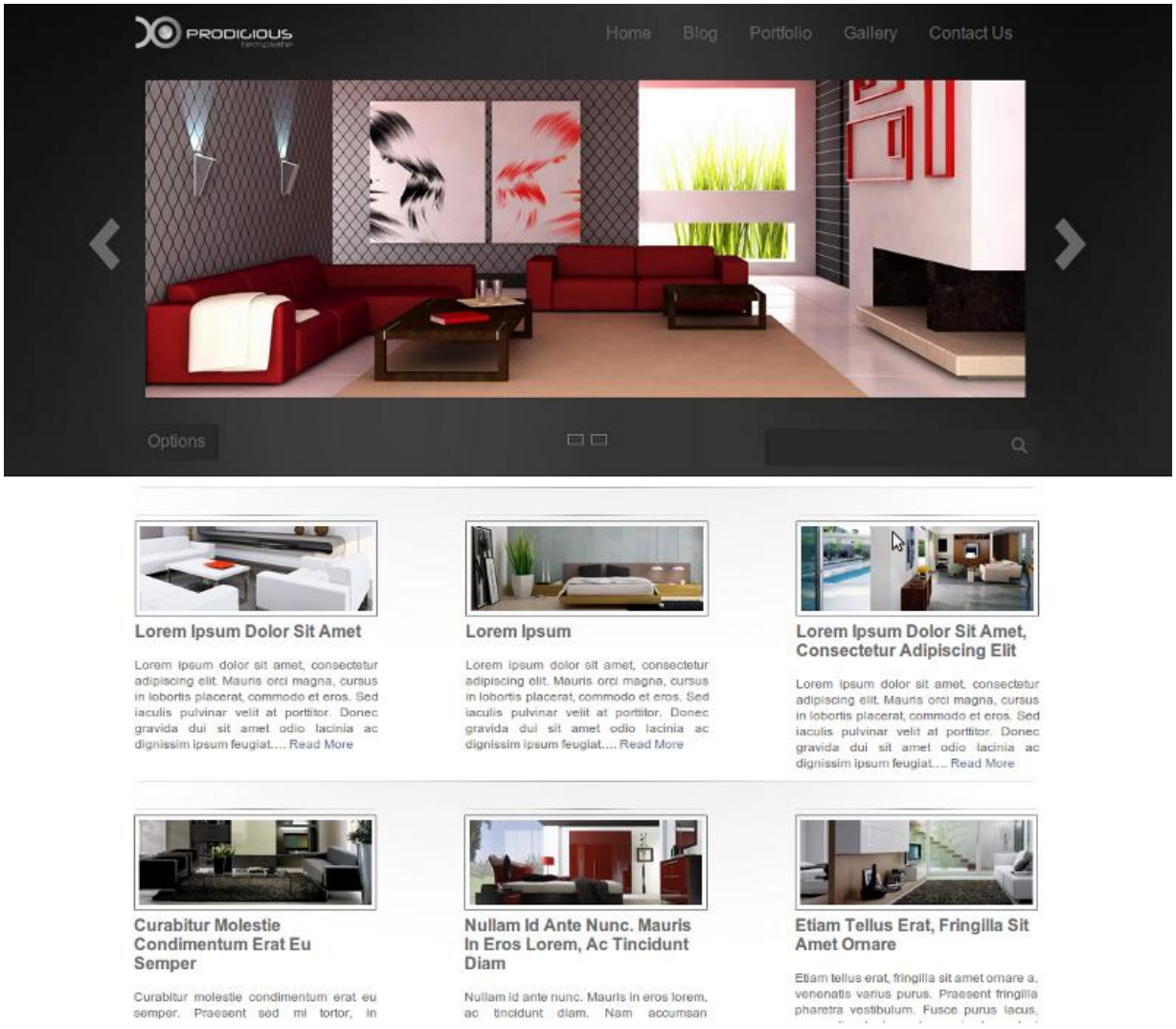
Flash/Flex development team works closely with our designers and back-end developers, enabling us to offer full client-server solutions with unique and professional front-end design.

WordPress Templates

Take a look at Prodigious template, developed in cooperation with our partner company Shindiri Studio. We started recently with WordPress development and design and so far we have one template under development, but we are planning to expend our business in this area in the future.

We can offer WordPress outsourcing services to our clients as well:

- Template development
- Template design
- Plug-in development



Gaming & Desktop Applications

TripleCrown Roulette

We are engaged in TripleCrown roulette development during last two years. Triple Crown is an electronic Roulette system which is three times faster than regular roulette, having a consequence that the organizer is left with more money despite the smaller percentage margin of expected earnings.

The unique in the world, TC roulette three wheel cylinder gives three different variations of games that can not be used on standard roulette - TC Roulette Poker and TC Roulette Jackpot.

We developed software system for this roulette. System is client-server based and by default consists of one server and eight clients. However, server can support unlimited number of clients, making expending the system with the external clients easy.

The World Prominent Industrial designer Karim Rashid was involved in the project of TC roulette and with its recognizable artistic way he has given a special note to the appearance roulette. Beside standard configuration, extended configuration is provided as well, consisting of the server, eight clients and four large LCD info panels.

System is developed using Microsoft .NET and relies on MS SQL as a database back-end and WCF for communication. We used our Fury GDK framework for the DirectX based front-end development.

TripleCrown roulette project is developed in cooperation with FAZI company. You can get more details about this system by visiting youtube presentational video: http://www.youtube.com/watch?v=Q2Y6gZwJuEw

Fury GDK

Fury is a game development framework for C# and DirectX. Its primary use is user interface creation and rendering. For that purpose, it includes GUI subsystem with a set of completely skinable components.

Fury GDK has been extensively used in TripleCrown electronic roulette system as a graphics and GUI front-end development platform.

There are three container components:

- Dialog
- Panel
- MessageBox

And many widgets available:

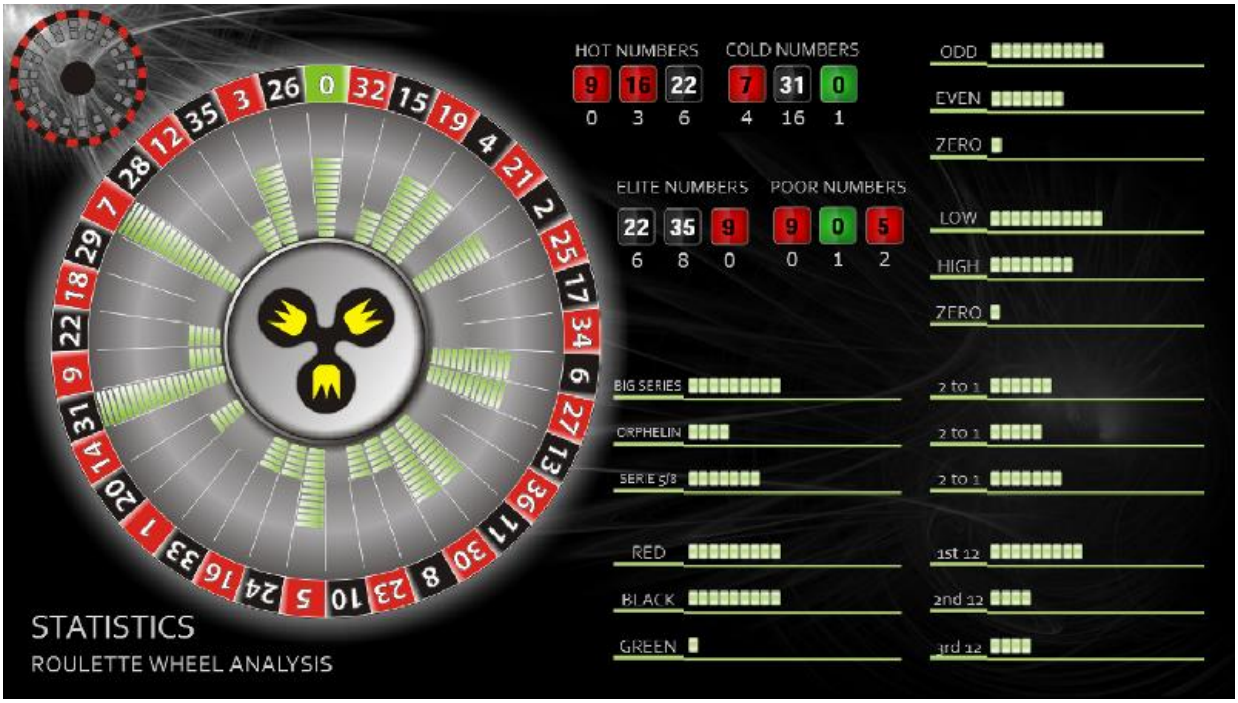
- Button and Custom Button
- CheckBox
- ComboBox
- ListBox
- Grid
- Label and LabelImage
- Panel
- PictureBox
- PictureButton
- ProgressBar
- RadioButton
- ScrollBar
- TabNavigator
- TextArea

- TextBox
- ToolTip
- AnimationBox

These components will help you build DirectX interfaces in C# fast and easy. As we are constantly adding new features and components, this list will be expanding in the future.

Fury GDK is not only DirectX GUI manager. It is also a starting point for DirectX based games development, providing features such as:

- Resource management
- Event handling
- Game time management
- Interface to game logic



Slot Multigame

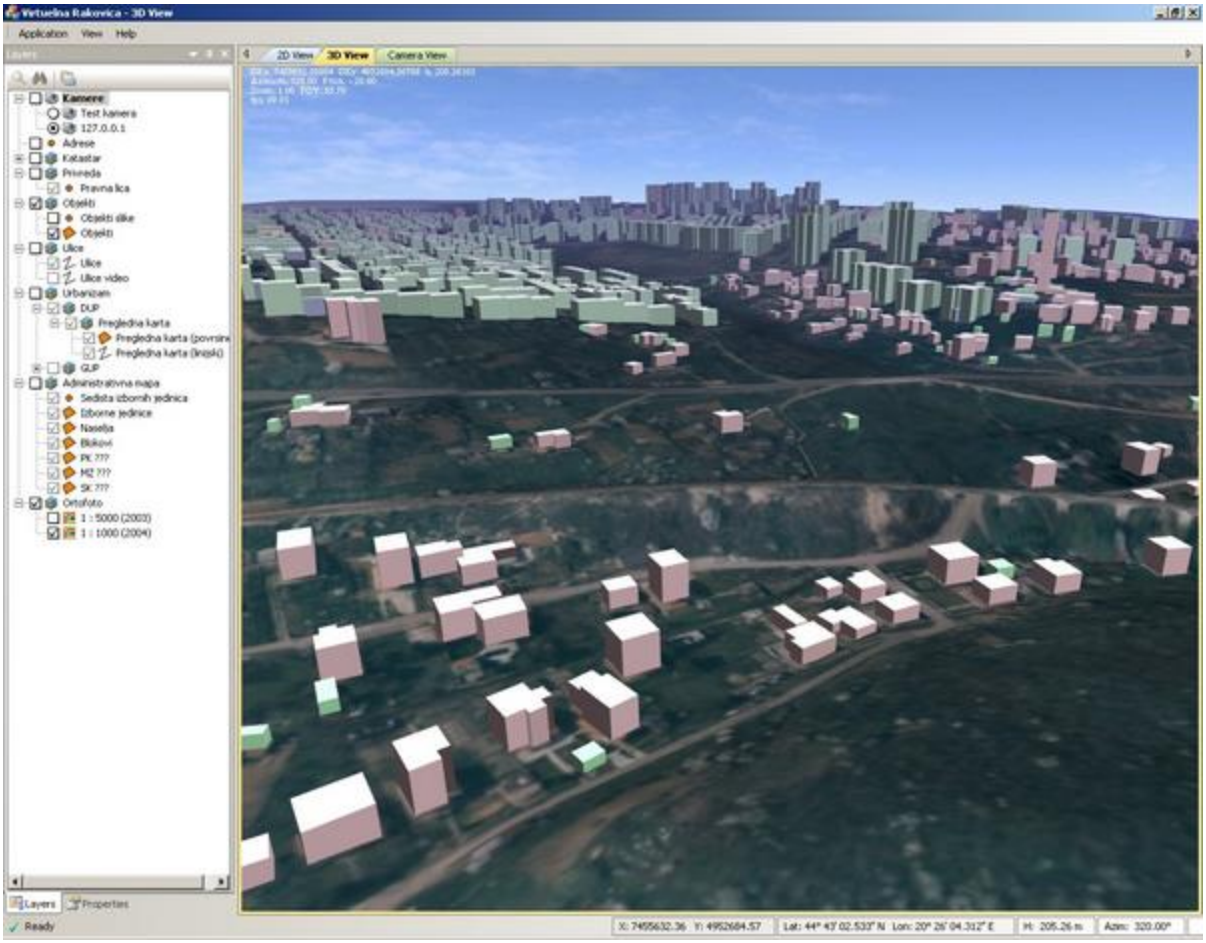
Electronic Slot Multigame machine featuring 12 different games and supporting all stanard Casino protocols, such as SAS and VAN. This project is still in development in cooperation with our partner FAZI d.o.o.

GIS Solutions

We have a long and successful cooperation with CG&GIS Lab and Faculty of Electronic Engineering in Nis, Serbia. We worked on various GIS and computer graphics projects as an outsourcing partner.

Our involvement on GIS related projects includes:

- GIS data preparation, geo-referencing, etc.
- GIS data management and querying
- GIS integration with real-time systems and real time hardware
- 2D/3D geographic data visualisation
- Remote sensing



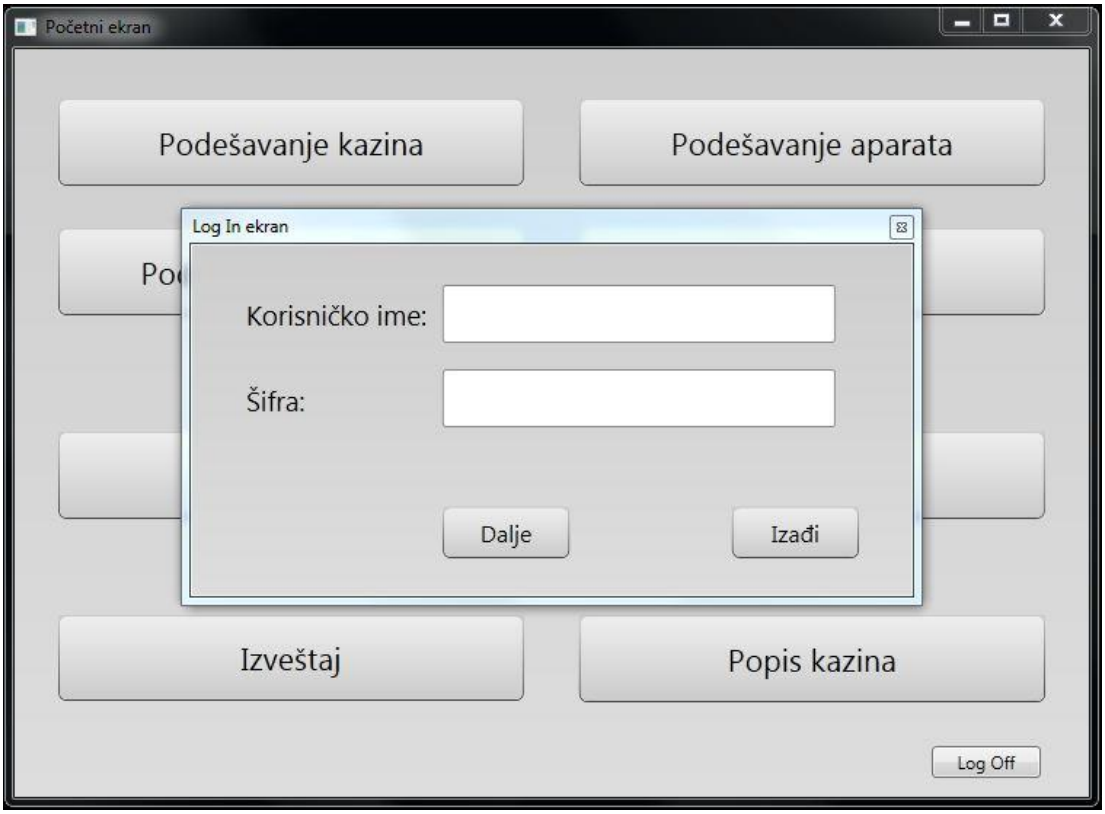
Most of the projects we worked on as CG&GIS Lab outsourcing partner.

CasinoMS

Casino Management System (CMS) is enterprise application used for centralized casino management. CMS is a client-server based system, consisting on following modules:

- User management and role/rights module
- Casino devices (roulette, slot machine, etc.) configuration, control and communication module
- Money and credits management module
- Malfunctions management module
- Reporting module

We developed two client versions, desktop and web based.



Global Jack Pot

Global Jack Pot is two level client-server enterprise system used for casino jackpot management.

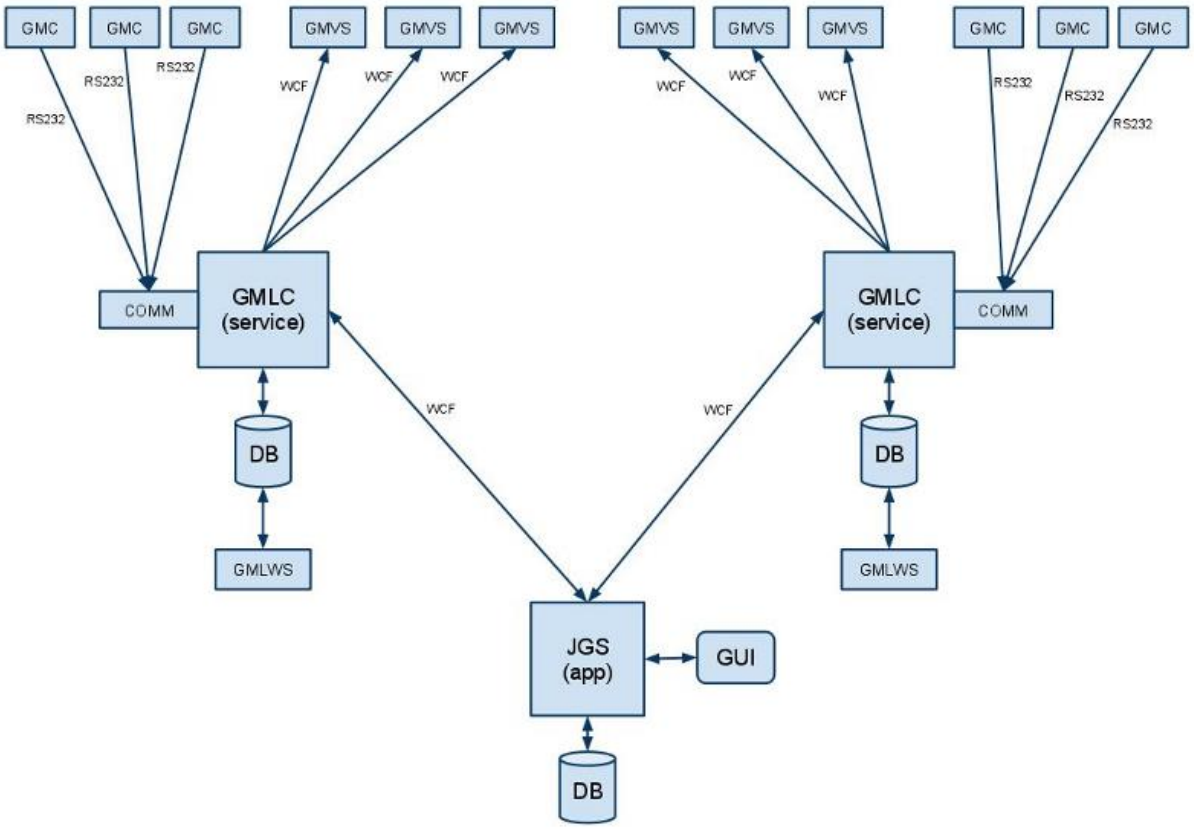
First layer is used for jack pot control on the single casino level, while the second layer is used for the centralized control of multiple casinos and multiple first level local jack pot management servers. First level servers are autonomous and can be used without second level.

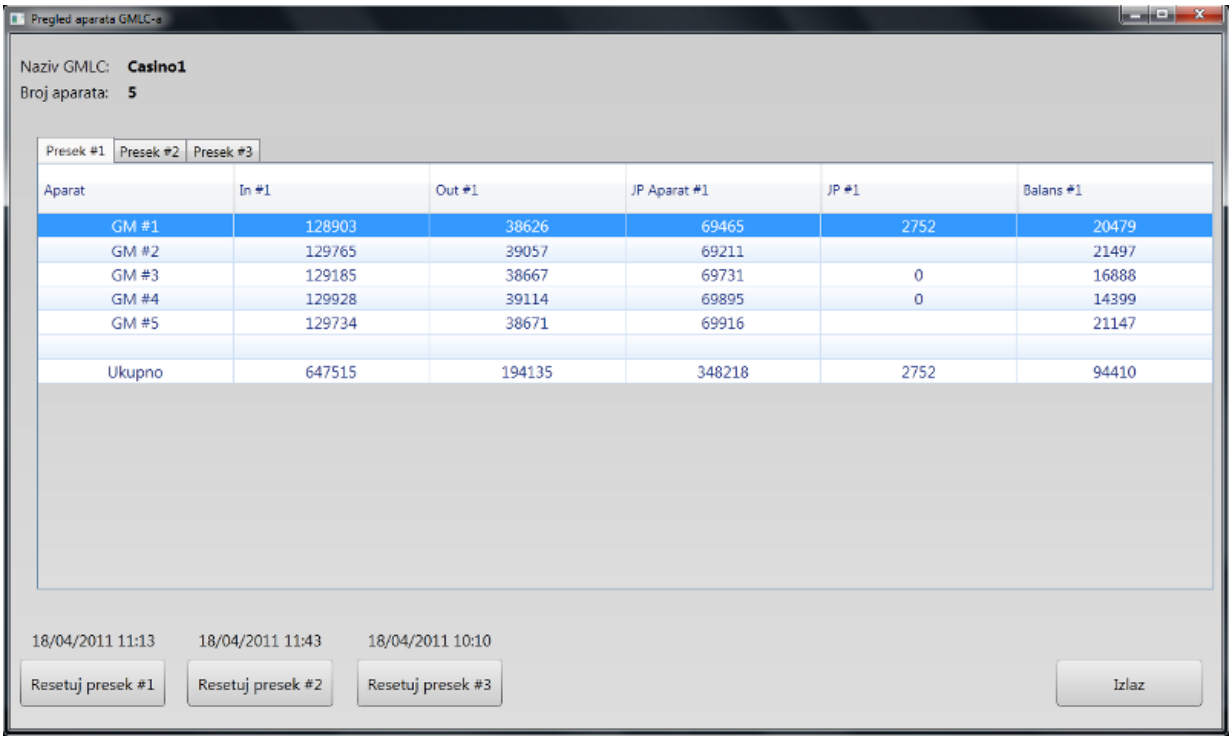
First level layer consists of the following modules:

- Casino devices (roulette, slot machine, etc.) communication module
- Local jackpot business layer module
- Web client for local jackpot management
- Communication interface to second level layer

Second level layer consists of the following modules

- Communication interface to first level servers
- Global jackpot business layer module
- Desktop client for global desktop management
- Desktop client for local jack pot monitoring





GPS VTS

GPS VTS is a real-time vehicle tracking system. GPS VTS is client-server based developed in Microsoft .NET. It is used to secure vehicles and monitor their movement. This system provides following features:

- Data monitoring: speed, direction of travel, ignition status, etc.
- On the map movement preview

- Reporting

GPS VTS consists of following applications:

- Data acquisition server
- Reporting server
- Desktop client
- Web client

GPS VTS relies on DB MS SQL Server 2000 and Web Services for communication between server and client applications.

P2N Crypto

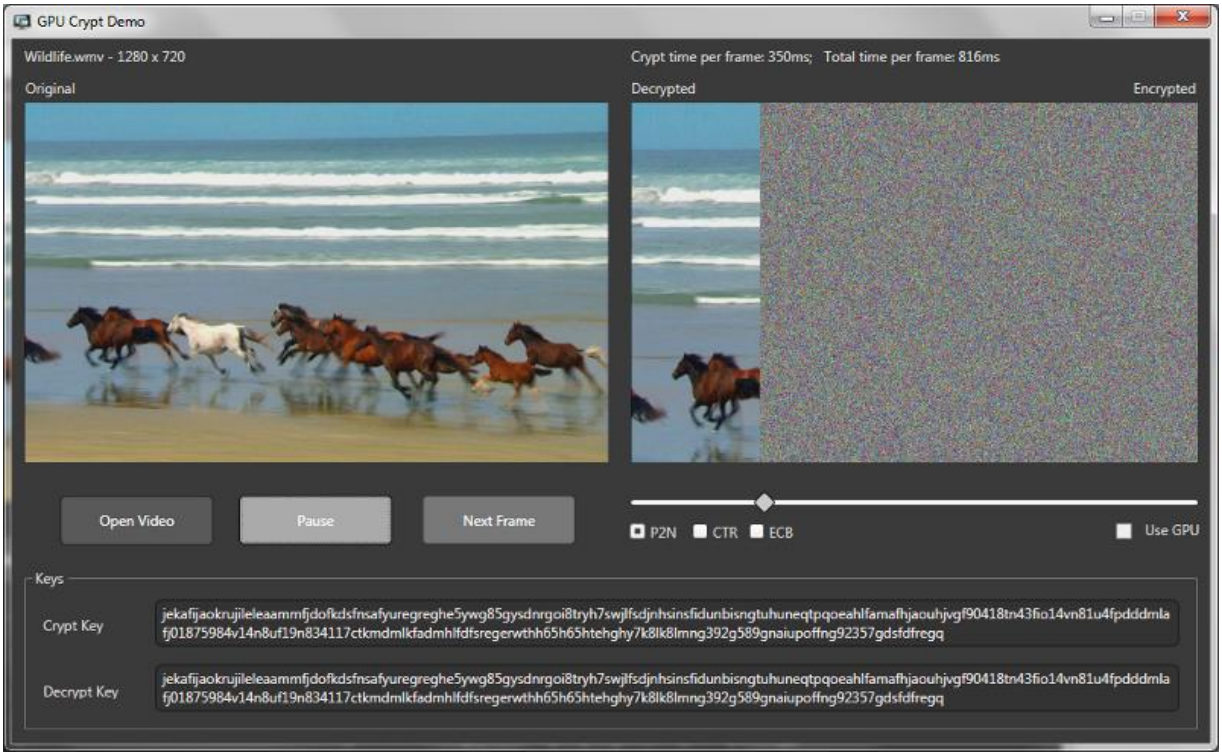
P2N Crypto (Previous to Next frame time dependency method - P2N) is video encryption algorithm used for HD real time video scrambling. It is optimized for parallel processing on new generation GPUs and CPUs. P2N uses 2048b key size and 128bit block size.

Our approach is a combination of video enhancing and compression techniques (DivX for example) applied on cryptography.

Block cipher consists of balanced Feistel network with 32 rounds, each round being 64 round function (F). In each round different 64 bits of the key are used making key schedule really simple. Round function is a modification of MD5 hash function.

Our main contributions are the way we made this algorithm concurrent (enabling parallel processing and therefore multiple performance gain) and the introduction of neighboring frames dependency to encryption process, therefore increasing encryption quality.

This project was developed for SkySoft, Nis.



PinaCollada

PinaCollada is a Collada format parser and renderer library for OpenGL. This library can be used to manipulate Collada objects in OpenGL applications.

VREditor is viewer and editor for 3D models in Collada format. It provides embedding of PinaCollada metadata to an existing Collada objects.

These projects are developed for CG&GIS Lab as a part of a larger project, GEO Scope AVS.

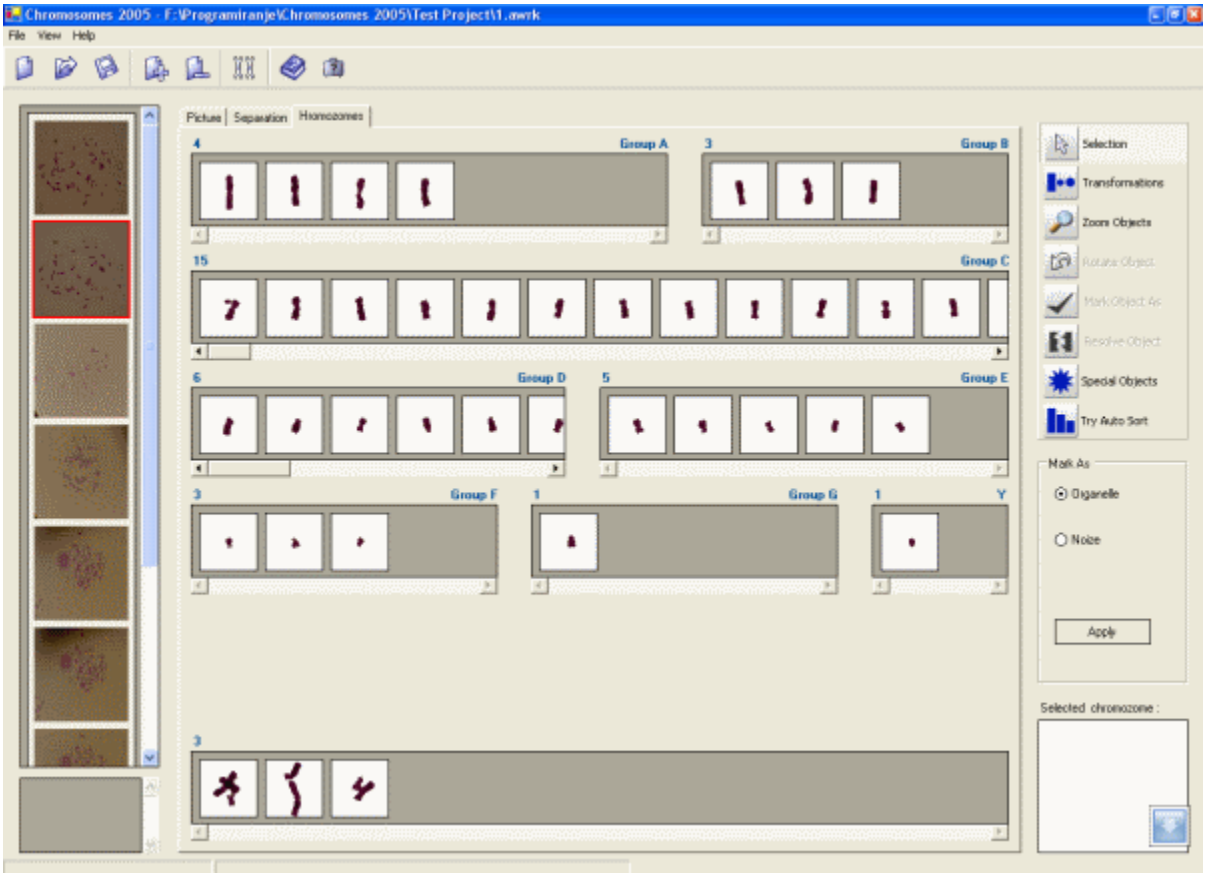
Chromosomes

Chromosomes is a chromosome separation and caryotype generation software for prenatal diagnostics and chromosomal aberrations detection. Caryotype generation system should enable faster caryotype determination process without decreasing the flexibility of manual processing.

The system is expected to facilitate:

- Chromosome segmentation from a raw image
- Flexible manual manipulation of separated chromosomes
- Automatic generation of initial state of caryotype
- Possibility of simultaneous processing of set of images
- Data management and reporting
- Differential diagnostic possibilities

It can provide decent results with a monochromatic raw images, being a good choice when there is no possibility for application of advanced techniques, such as multi-spectral coloring.



TO Monitoring

TO Monitoring is a desktop application that allows monitoring and automatic control of pressure and temperature of the ToplanaZemun system (Zemun Heating Plant). All monitoring and system control is

performed in real time.

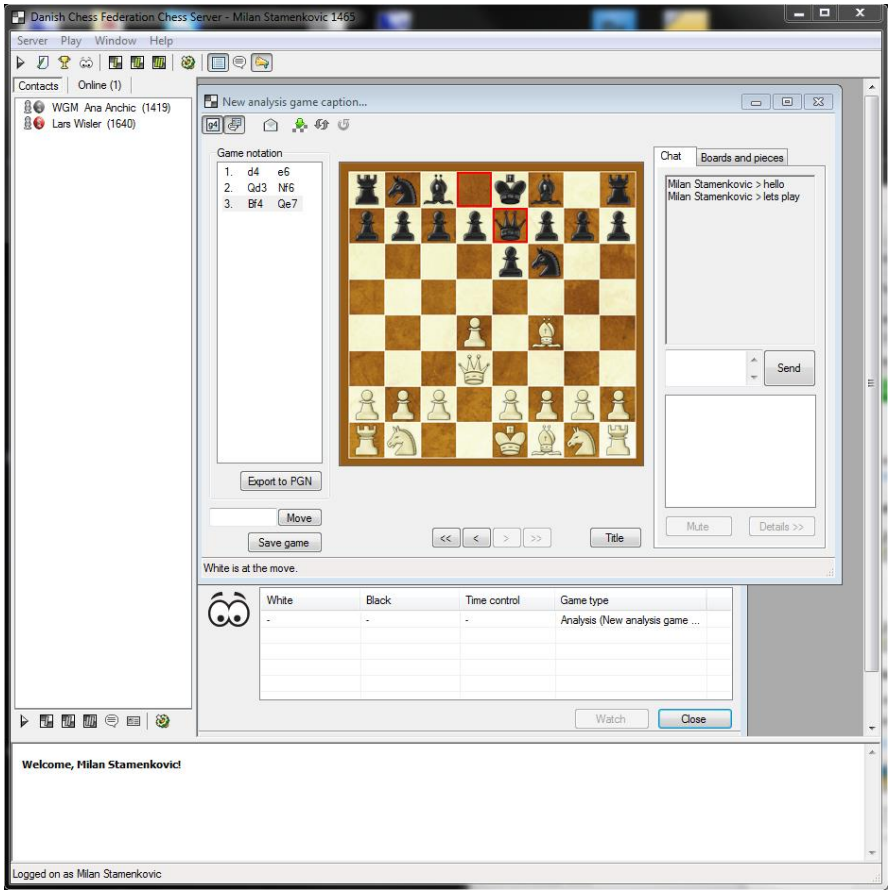
Application is developed in Microsoft .NET and involves robust low level hardware communication and real time system control development.

DSUSS (Dansk Skak Union Skak Server)

DSUSS is a client-server based system developed for Danish Chess Federation. This system consists of the following components:

- Chess Server which implements user management, player logic and reporting,
- Windows client, which provides desktop front-end and allows users to log in to the system and play chess online
- Web client, which is a browser version of the chess client

Server is developed in Microsoft .NET and relies on MS SQL 2005 Database and Reporting Services. Desktop and web clients are developed in Microsoft .NET and Microsoft ASP .NET, respectively.


Danish Chess Federation Chess Server - Milan Stamenkovic 1463
Server Play Window Help
Contacts Online (1)
WGM Ana Anchic (1419)
Lars Wisler (1640)
New analysis game caption...
Game notation
1. d4 e6
2. Qd3 Nf6
3. Bf4 Qe7
Export to PGN
Move
Save game
Chat
Boards and pieces
Milan Stamenkovic > hello
Milan Stamenkovic > lets play
Send
Mute
Details >>
Title
White is at the move.
White
Black
Time control
Game type
Analysis (New analysis game ...
Watch
Close
Welcome, Milan Stamenkovic!
Logged on as Milan Stamenkovic

Dansk Skak Union
Skak.dk Danmarks online skakklub - Skak for alle
log på som gæst | tilmeld dig nu! | glemt adgangskoden? | kontakt support
Velkommen til skak.dk
Følg DM 2011 her på skak.dk
Danmarksmesterskabet 2011 spilles i Odense 16. - 24. april, hvor 10 af Danmarks stærkeste spillere kæmper om DM-titlen. Felter tæller 3 stormestre, heriblandt den regerende Danmarksmester Allan Stig Rasmussen, 6 internationale mestre samt vinderen af sidste års kandidatklasse. Læs mere her, og se DM-hjemmesiden her.
Program for kommentering her på skak.dk:
1: Lør 16/4 kl. 15: Jackie Andersen
2: Søn 17/4 kl. 14: IM Kim Pilgaard
3: Man 18/4 kl. 14:30: Andreas Wiwe
4: Tirs 19/4 kl. 14: IM Thorbjørn Bromann
5: Ons 20/4 kl. 14: FM Peter Skovgaard
6: Tors 21/4 kl. 14: Andreas Wiwe
7: Fre 22/4 kl. 14: IM Christian Kyndel Pedersen
8: Lør 23/4 kl. 14: IM Christian Kyndel Pedersen
9: Søn 24/4 kl. 13: IM Jens Ove Fries Nielsen
Skaktræning på skak.dk
Hver onsdag aften er der skaktræning på skak.dk. Der er adgang for alle - se omtale her.
Programmet for april 2011:
Ons 6/4 kl. 20-22: Positionsforståelse /Andreas Wiwe
Ons 13/4 kl. 20-21: Åbningsoverraskelser /Mads Svendsen
Ons 20/4 kl. 20-22: Positionsforståelse /Andreas Wiwe
Aften-lynturneringer alle dage
Kl. 19, 20, 21 og 22: Lyn 5 0 - 4 personer alle-mod-alle
Se evt. vejledning her.
Skakfestivals i Danmark 2011
DM - U-DM - CCC - FM - Politiken Cup
Spil skak online på skak.dk som gæst, eller opret en konto og bliv medlem / netmedlem. Gratis netmedlemskab for alle under 16. Læs mere hos Dansk Skak Union her.
brugernavn:
adgangskode:
log på
Hvid / Sort
Betænkningstid
Henning Lau Rasmussen
Steen Farup Christensen
3 (0)
Niels Møller Andersen
Guest 1000
5 (0)
Opdater
Henning Lau Ras... 2080
Steen Farup Chr... 1935
Søg
Ryd
Brugere online (8)
Henning Lau Rasmussen (2080)
Steen Farup Christensen (1935)
Uffe B. Rasmussen (1919)
Claus Vangsgaard (1795)
Niels Møller Andersen (1788)
Ricardo De La Calle Aramburu (1743)
Per Friis Nielsen (1556)
Guest 1000
Seneste nyheder
Undervisning på Skak.dk
Skakturneringer i udlandet i maj
Allan Stig Rasmussen
Danmarksmester 2011
DM 2012 i Helsingør
Tæt løb ved DM
Download Windows-klienten
Få mere ud af Skakserveren
Download!
Windows-udgaven med mange ekstra muligheder. .NET Framework skal installeres først, download her: .NET Framework
Dansk Skak Union
På www.dsu.dk finder du alt hvad der er værd at vide om skak i Danmark og resten af verden. Klubber, turneringer, træning og information Dansk Skak Union er skak på mange måder

Technology Expertise

Desktop and Enterprise based development

Our experts can provide a wide range of desktop and Enterprise development technology expertise. So far, we developed major projects utilizing following technology.

Programming languages

- C#
- C/C++
- Perl
- Java
- Flex

Programming IDE-s

- Microsoft Visual Studio 2003, 2005, 2008, 2010, 2012
- Microsoft Visual C++ 6.0
- QT Creator
- Eclipse
- NetBeans

Libraries & SDK

- General
    - Microsoft .NET (1.x, 2.0, 3.x, 4.0, 4.5)
    - STL
    - Windows SDK
    - nVidia CUDA

- GUI
    - Windows Presentation Foundation (WPF)
    - WinForms
    - MFC
    - QT

- Graphics
    - GDI+

    - Native and Managed DirectX
    - SlimDX
    - OpenGL
    - SVG

- Communication and client server programming
    - Windows Communication Foundation (WCF) & SOAP
    - OpenSSL

Concepts

- Windows Workflow Foundation (WWF)
- LINQ

Platforms

- Windows
- Linux

Web based development

Our WEB development department was engaged on many different projects involving various open source and proprietary technology. The following list contains most used front-end, back-end technology and CMS solutions.

Our WEB development team cooperate closely with our designers, providing clients complete solutions.

Front-end technology

- HTML/CSS
- Javascript and AJAX
- jQuery
- Sencha (former ExtJS)
- Flash, Flex and ActionScript
- Google maps API
- Twitter API
- Silverlight
- Angular
- Node.js

Back-end technology (WEB)

- PHP 4.0/5.0
- MySQL

- MS SQL 2000/2005/2008
- MVC concept (.NET or PHP)
- ASP
- ASP MVC .Net 1.0/2.0/3.0/4.0
- Web Services (asmx - Net 1.1 i 2.0) and WCF services (as SOAP web services)
- WF 3.5 i WF 4.0
- TDD (Test Driven Development)

CMS

- Drupal
- Wordpress
- SItefinity

Data Access and Reporting

We can provide database design and object model development primarily on top of MS SQL server and MySQL server:

- MongoDB
- Microsoft SQL Server 2000, 2005, 2008, 2010
- MySQL
- Microsoft Reporting Services
- Crystal Reports
- LINQ
- ADO.NET
- DataSets
- MSSQL Server Integration Services (SSIS)
- OLTP
- OLAP
- Multi-dimensional Data Processing
- NHibernate ORM
- LINQ2SQL dbml ORM
- Entity Framework ORM