

TECMAN

software development

www.tecman.ru/en/

| Presentation

"Tecman" has been developing custom software since 2003.

Offices

★ **YAROSLAVL**
★ **MOSCOW**

team of

30
professionals

Our team is experienced in creating highly reliable, fast and attractive products. We solve the unsolvable, researching and work with highly specialized challenges to find the solution.

Our services and products:

1. Software Development:

- applications and utilities,
- systems for automation of business processes and databases (built from scratch or based on 1C),
- solutions for the integration of hardware-software systems,
- websites, portals, webstores,
- apps for mobile devices, tablet and laptop computers.

2. Providing information security for websites, local area networks, and software;

3. Design development for products and packaging;

4. Writing technical assignments, manuals, and other technical documentation;

5. Auditing source codes, design, usability, and fault tolerance of systems;

6. Hardware design, and many other tasks.

Наши клиенты:



HAMSTER
soft



Our typical client:

• Corporations.

Order integration solutions for multiple systems and their audit; order a complete redesign of existing products.

• Medium-sized businesses.

Subcontract orders from large corporations and state organizations; order revisions of their existing software.

• Small businesses.

Order solutions for automation of business processes (CRM/ERP systems), thus gaining transparency and better control over their business, resulting in growth opportunities for the next 5-10 years.

• Startups.

Companies and investors that create innovative products or services delegate technical aspects of their development to us so that they could focus on promoting their products.

Why our clients work with us:

- They want to save and reduce the financial burden on the company,
- They prefer not to engage in non-core activities,
- They want to distance themselves from mundane tasks,
- They like to collaborate with highly qualified professionals,
- They want prompt results.

Technologies and programming languages:

C/C++ C# ^{Microsoft} ASP.net DevExpress™ DELPHI™

Perl ORACLE™ ^{Microsoft} VisualBasic™ python™

Fast Reports Reporting must be Fast! Firebird JIRA Microsoft SQL Server™

PostgreSQL Qt Java php CUDA™ Microsoft .NET

Pay-me service

An innovative solution for processing of credit card payments.

The project was commissioned by Telechip, and completed in collaboration with Alfa-Bank and Beeline; supported by Visa.

Our achievements over the last 5 months:

- equipment selected, purchased, programmed, and tuned up,
- mobile apps for iOS and Android based smartphones developed,
- card reader drivers developed,
- integration with the processing bank implemented,
- dozens of manuals and other technical documents written,
- the company's and the product's websites published,
- the 2nd and 3rd technical support lines launched.

Online information:

pay-me.ru

[Web page](#)
[Facebook](#)

[Official Project release](#)
[10/23/2012](#)

[Official Sales begin](#)
[by Beeline](#)



| In collaboration with



Hamster soft

Free file archiver used by millions of users in 150 countries.

- Unique animated "WOW" interface,
- Supports all types of archives,
- More than 10 million installations worldwide,
- Over a million uses daily,
- 41 language localizations.

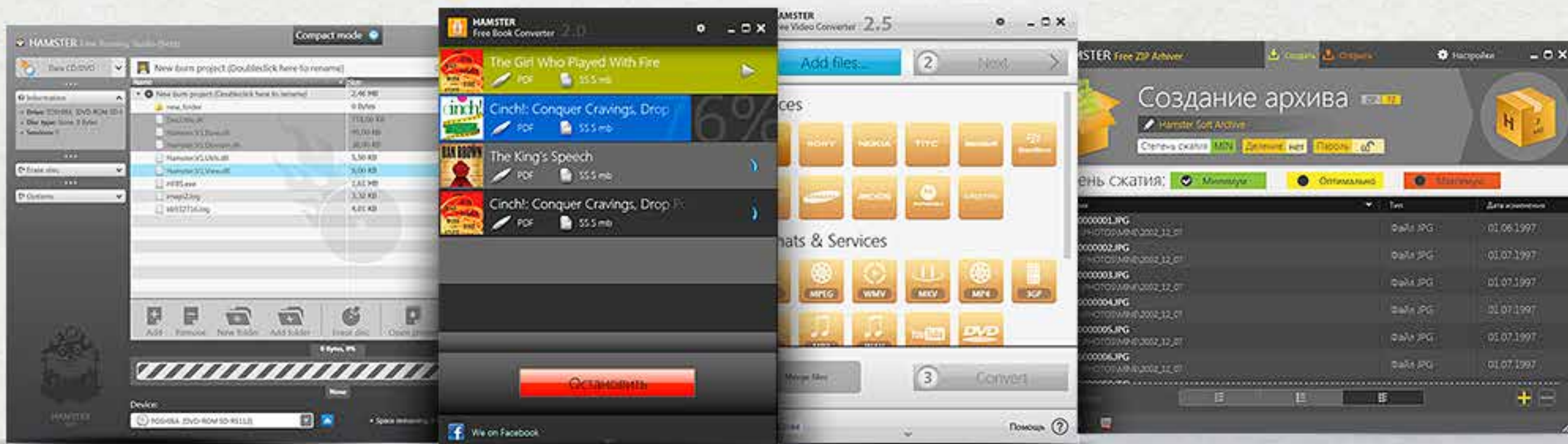
hamstersoft.com



HAMSTER soft

...It is only a small part of special experience in the creation «WOW style software».

In two years, we have developed more than ten software products for the Hamstersoft company.



ZIP Archiver for Business



Zip Archiver



eBook Converter



Audio Converter



Video Converter



Woman Calendar

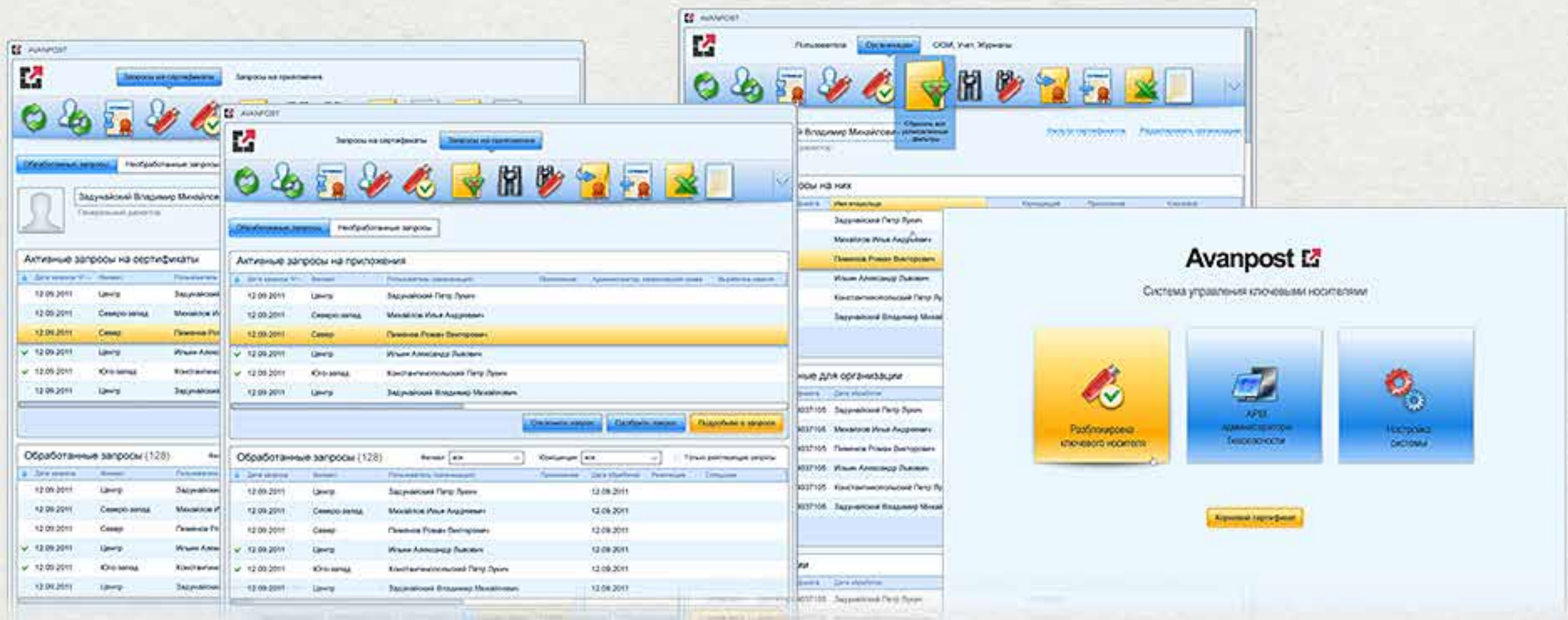


Burning Studio

Avanpost Access System

Public Key Infrastructure (PKI) management system and a control system for user authentication and user access to a variety of informational resources.

- Usability audit performed,
- A package of six programs, including console, web, and desktop applications, designed.
- Source code refactored, program logic separated from the interface.



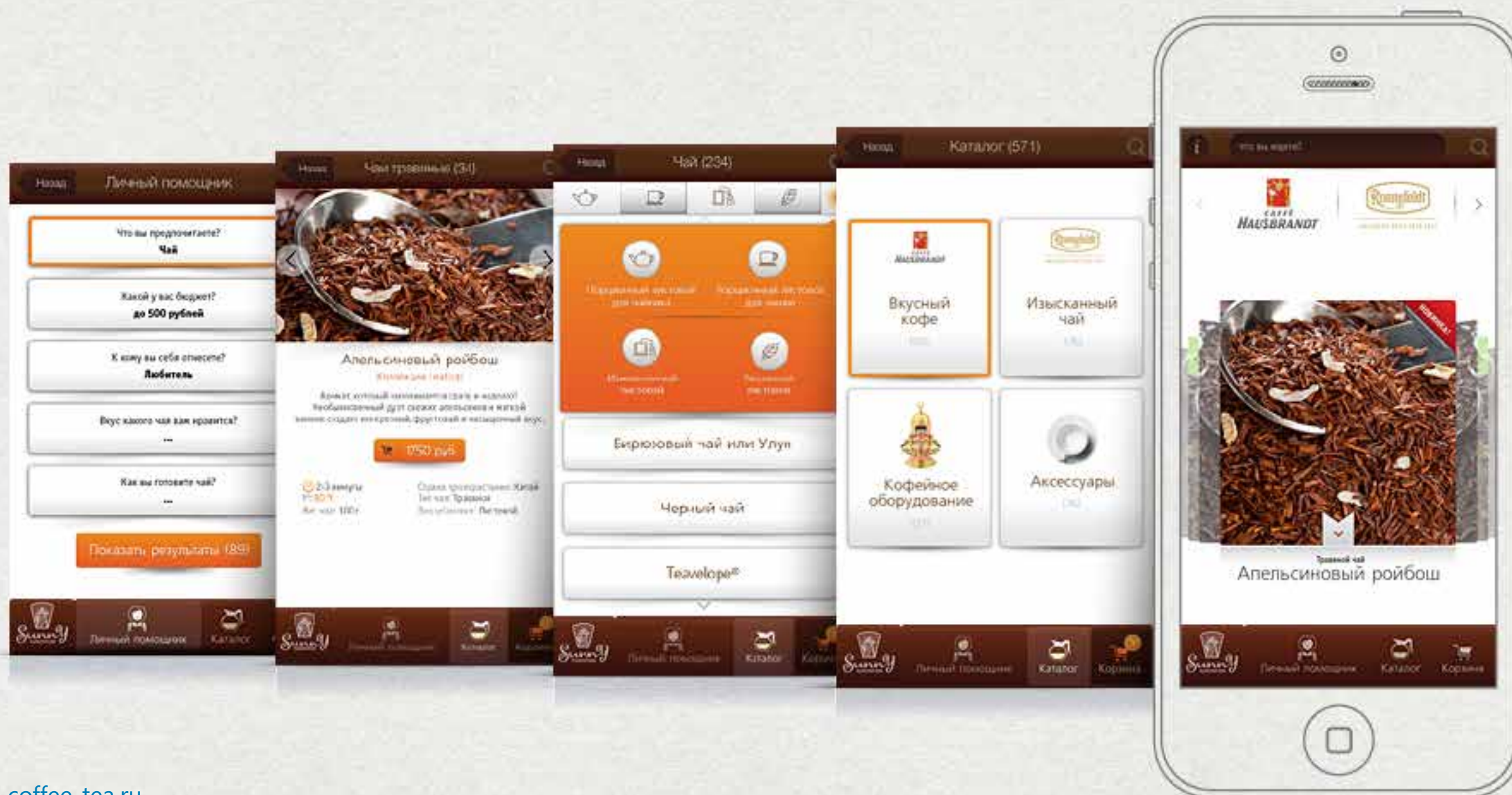
Online store "Elite teas"

iPhone and Android app for the distributor of luxury teas, coffee, and related equipment.

- Application design and interface developed,
- An iPhone application developed, ported to Android, optimized for high loads,
- Company's merchandise database organized.



Компания, основанная в 2000 году..." поменяй на "The company, founded in 2000, is a member of the Federation of Restaurateurs Hoteliers and Russia, currently is the largest supplier of premium hot drinks and equipment.



Audio recognition:

service that allows to determine if music content distributed by radio stations is licensed.

A commercial version based on Shazam algorithm with custom empirical parameters was developed.

House algorithms for preprocessing (standardization of signal parameters and filtering) and postprocessing (rating the top matching songs and automatic detection of song beginnings and ends) were designed.

About the system:

- Works with all types of audio content, including ads, in any language,
- Recognition delay about 2 seconds (on average),
- Automatically generates a songs database and fills it with metadata from mp3, flac, wma, and wav files,
- Notifies content license holders about current events by e-mail or SMS,
- Works with a 500,000 song database (scaling up is possible),
- Processes audio acquired via an audio card (line in, mic) or internet radio (MMS, RTSP, RTMP),
- To provide a high speed operation, we developed our own DBMS with 25 billion hashes of song fragments. To match songs coming from 42 sources simultaneously, about 500 thousand records are processed every 50 milliseconds;
- Does not require high performance computers, can work on regular PCs.



Key Keeper:

Automated system for handing out and return of keys.

A system for speedy handing out and return of keys, control of room security alarm systems, automatic logging of related actions of the client company's employees and security staff was developed.

- It has been successfully implemented and employed to maintain security at the St. Petersburg branch of OJSC "Gazprom",
- The user interface is based on the TouchScreen technology,
- It can automatically turn a room security system on or off.



Auditing the information security of client-server software

At a customer's request, we conducted an audit of the client side of client-server software, including a simulated penetration and information leak.

- Highly secure software was analyzed by a black box penetration test (without the original source code),
- We revealed over ten vulnerabilities and described in detail possible scenarios of their usage,
- One of the scenarios of vulnerability usage was successfully implemented in a simulated data leakage,
- A number of suggestions and algorithmic solutions to address the vulnerabilities were proposed,
- A technical assignment for implementation of our unique software protection method was developed.



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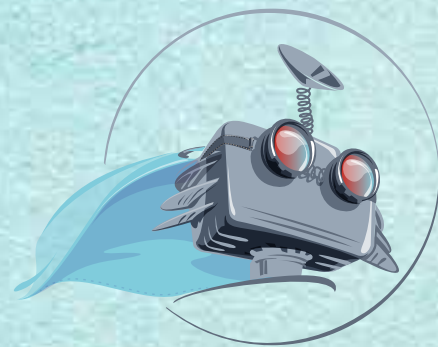
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More about us:

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| Thank you!