Teched
CONSULTING SERVICES

Justice Information System

The Justice Information System is a business solution for case and document management and monitoring of business processes with special adaptations for justice sector and government bodies.

Highlights

It is a **centralized storage mechanism for management of all business processes of Justice sector** including **cases, documents, tasks and workflows**.

It provides a **unified, web–based graphical interface** for accessing the data, adjusted to be used in the industry-standard web browsers.

It is a complete, **role-based access control mechanism** to manage user access rights and permissions

It contains **application logic that manages the complete case and document lifecycle**, including document scanning and support for storing digital version of the documents.

It enables **generating documents by using defined document templates**

It provides a **"user – customizable" advanced search mechanism** intended to efficiently search for information within the data stored in the JIS system.

It provides production of **statistical information and generating of relevant reports**.

Introduction

The Justice Information System is a business solution for case and document management and monitoring of business processes with special adaptations for justice sector and government bodies. It is built according to the specific requirements, roles and procedures of in the field of justice and public sector, and as a single web application environment it supports the day-to-day business and analysis activities in the field of justice and public sector.

How the Justice Information System can help

JIS is designed for government institutions whose operations are tracked in accordance with the Administrative Procedure Act and the Regulation on Writing Office, and public companies which are not liable to the legal provisions, but which often cooperate with governmental institutions.

To all such institutions is a challenge to manage large volumes of data and documentation, in a way that it does not burden their daily operations. JIS supports them in this, by establishing an efficient case and document management system, by facilitating the automation of repetitive tasks and accelerating the work of archiving according to regulations.
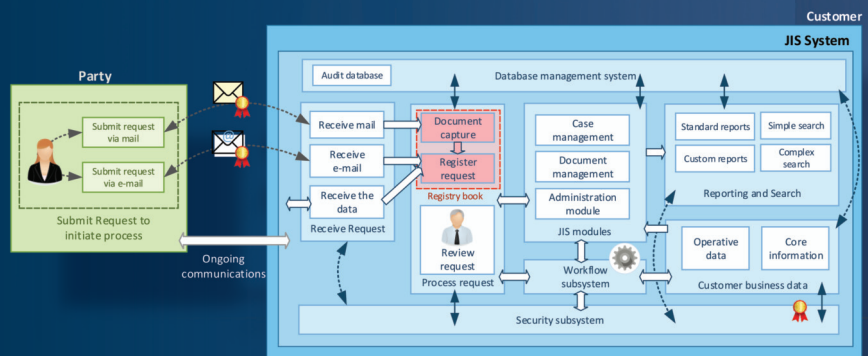

Figure 1. JIS components

Product Sheet

Justice Information System

Figure 2. Cases overview

Main features of the product

The JIS system is designed and developed as centralized web-based system accessible from various web browsers. The system and all components that work with data and documents use one centralized RDMBS to manage data and documents. The system is based on the three tier architecture.

The JIS system is built using proven Internet technologies, so all client-side functionality is realized through a standard web browser. All user interaction with the system is performed through a variety of web forms containing all the necessary information and elements needed for carrying out the required actions by users.
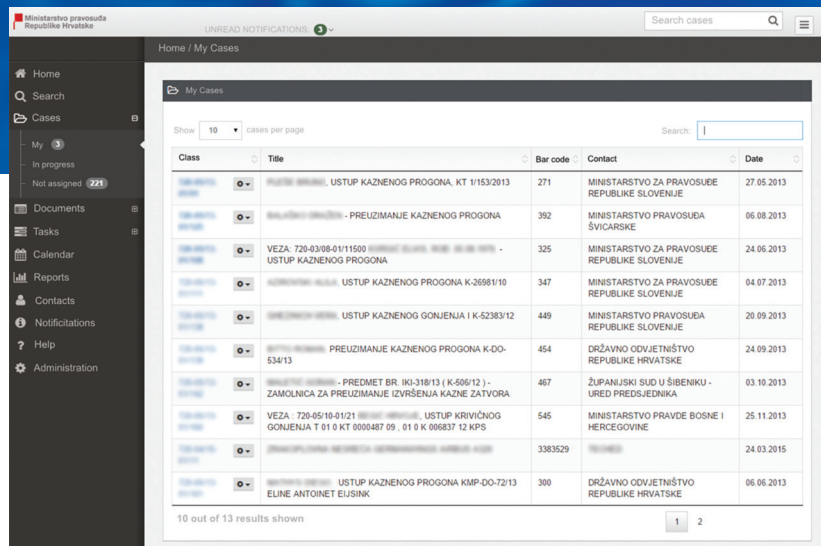
In order to provide optimum user experience to all users and to help users learn to use the new JIS system in a short period of time (simple and easy to learn), a unified common graphic user interface is built for all modules of the JIS system. The user interface is developed as a series of web forms, with graphical data entry and data retrieval elements. Complete interaction is event driven (i.e. every user activity will cause some action). The JIS system includes internal multilevel on-line help system that is provided on the user interface tier.

Users of JIS system are able to search on any entity types in the system including entire electronic and physical archives. Search mechanism is implemented as simple search, multiple criteria search, full-text search and combination thereof. User can also save search criteria used, and access them later.
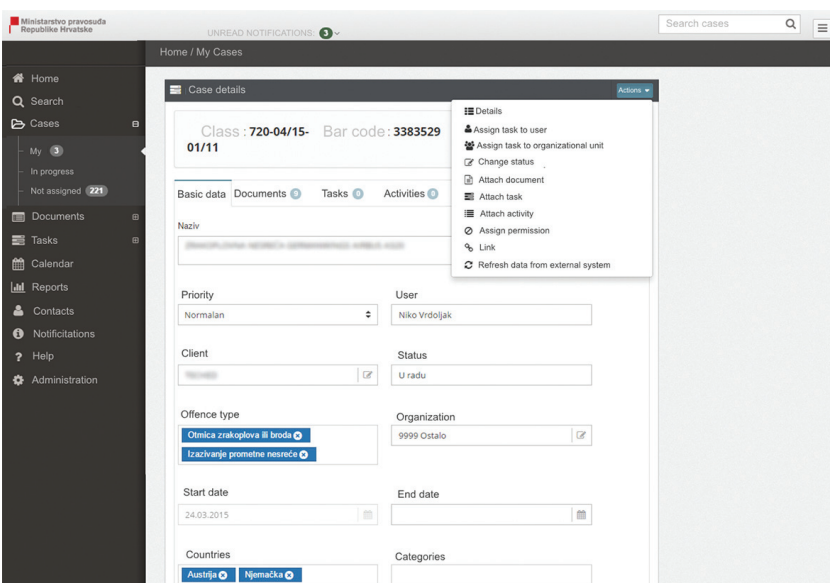

Figure 3. Edit case data.

Case study: Impementation od JIS the Ministry of Justice in performing its tasks in international judicial cooperation

The purpose of this project is to develop and install an IT system for international legal assistance (ILA), which will increase the efficiency and transparency of the case management of the Department of International Legal Assistance in the Ministry of Justice. We carried out an analysis of similar IT systems in the European Union and on the basis of this analysis, to design, deployed the JIS sys-
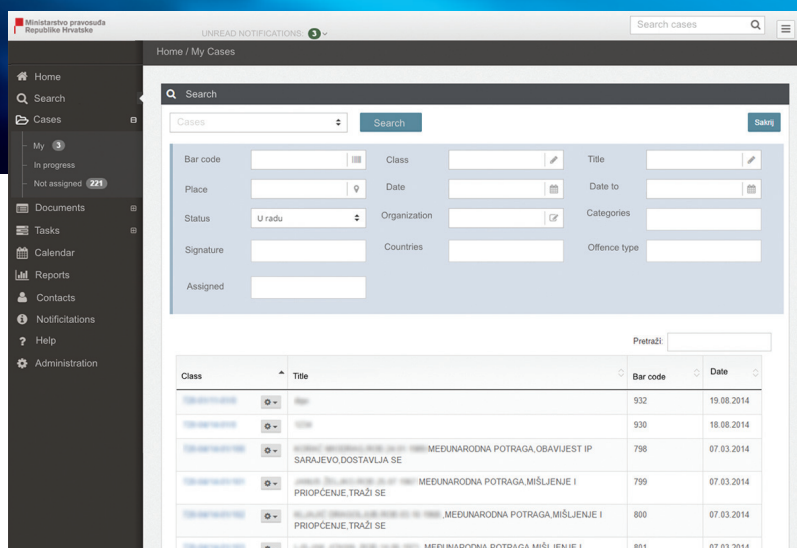
Figure 4. Advanced search

panies. The JIS system supports business processes of writing offices, case management, document workflow management and document delivery. These features of the JIS system support all specified requirements including: keeping records and processing of all incoming and outgoing documents including receiving, opening, viewing and assigning of cases and documents, entering in records of cases and documents, pairing cases and documents, delivery of cases and documents for processing, processing of cases and documents including the production and automatic filing of a variety of predefined electronic documents within the workflows, distribution of cases and documents, pro-

tem that enableed effective management of ILA legal cases and advanced search capability. Also, a the JIS system enabled customer for reporting and statistical review and provide digital data exchange with national and international institutions.

versed, user can restore the previous version and continue working.

Electronic Registry Module

The JIS system is business solution for record and document management with special adaptations for government bodies and public com-

Main components of the product

Document Management module

The JIS is a system that support complete tracking, management and storage of documents. It is capable of keeping a record of the various versions created and modified by different users and it implements all standard document management functionalities such as check-in/check-out, creation, versioning, review and delegation. Checking documents in and out allows users to obtain exclusive write access to a document, eliminating the need to merge changes from multiple authors. Document versioning functionality of the JIS system allows users to keep multiple versions of a documents. If a change needs to be re-
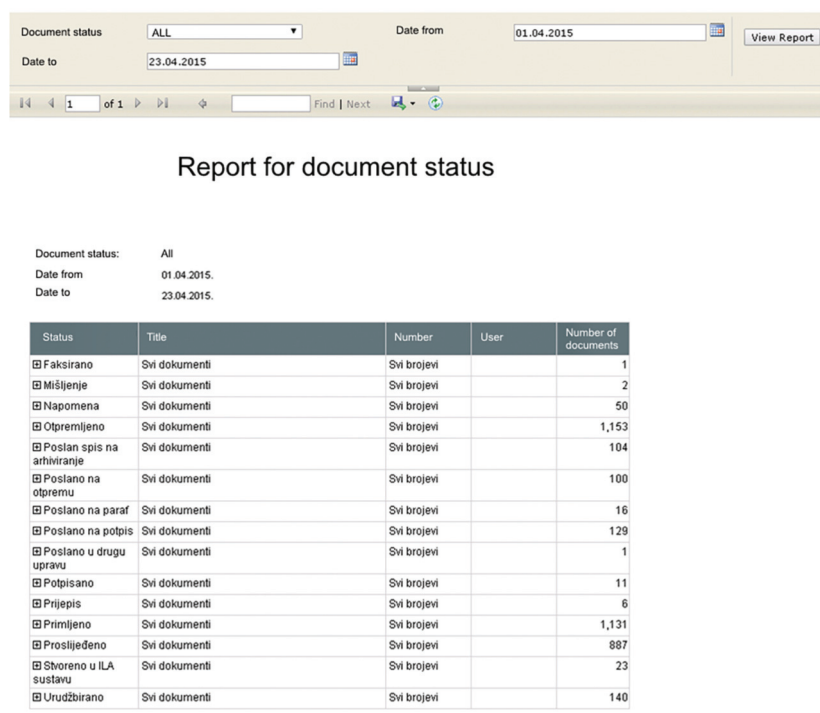

Figure 5. Reporting.

cessing outputs to the recipients outside the organization, the calendar of cases, placing cases and documents in the archive (electronic filing) and their storage. The JIS supports registry books management by defining case types and associated business rules.

The JIS supports creation of unique case classification codes based on any case attribute such as: department hierarchical code and/or user code that case is assigned, type of case (case class), the year in which it was instituted and ordering number in defined group of attributes that describe case code. All classification and categorization rules for cases and documents can be implemented and configured according with law and internal rule books of the customer.

Documents Capture Software Module

Document capturing is implemented in the JIS system through scanning add-in module of the Document Management module. It allows users to link each digitized paper document to only one document record in the JIS system, and thus assign it to the label defined by numerical code creation rules of the customer.

Optical Character Recognition

For Optical Character Recognition (OCR), this add-in uses custom made service which is set of components that are used for OCR of documents, storing and management of full-text indexes used for later search of document by its content. JIS automatically acquires images from scanners, file, fax and e-mail servers, performs
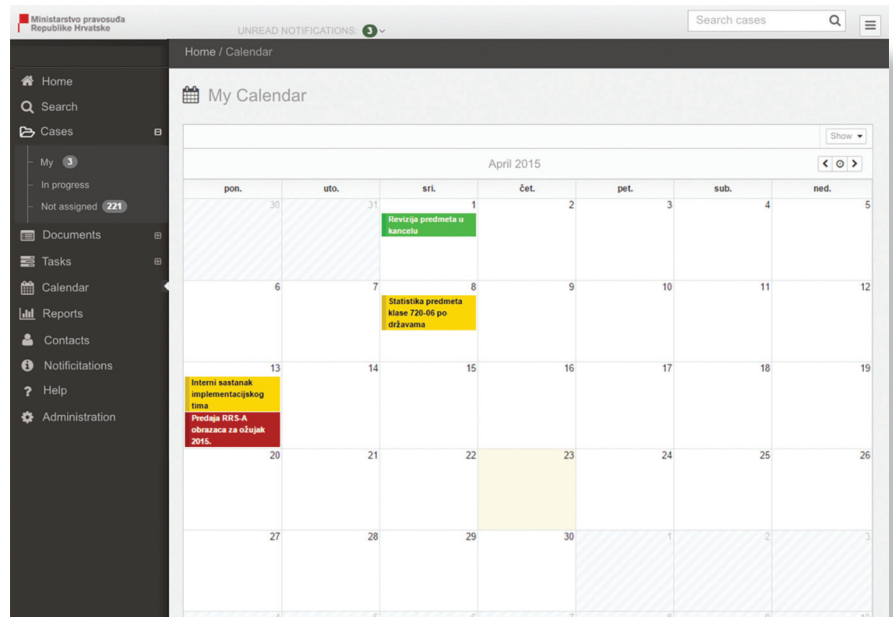

Figure 6. Case calendar.

server-side optical character recognition (OCR) and allows adding metadata.

Reporting and searching

Reporting is essential part of the JIS system and it supports the generating of standard predefined reports, which content and layout can be configured. The reports are designed to meet the standard requirements in the field of public institutions.

Reporting module is also able to support complex data analysis by creation of "ad hoc" reports on users' demand, with easy referring to desired data source. Users are able to define horizontal and/or vertical axes, specify slicer dimensions, multiple filter options, and more on which generated report will be based on.

Contact us

If you would like to find out more about Justice Information System please contact us.

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