Raiffeisen Austria is counting on PDF Generation with RealObjects PDFreactor in its E-banking Solution

Raiffeisen „Mein ELBA" uses RealObjects PDFreactor for PDF generation

About Raiffeisen Software GmbH

A Company within Raiffeisen Bankengruppe
Raiffeisen Software GmbH is the software house of Raiffeisen Bankengruppe Austria and one of the largest IT service providers in the country.

Valuable IT solutions for central business processes
For over 50 years Raiffeisen Software GmbH has been creating IT solutions that provide innovation, increased efficiency and added value to customers. Raiffeisen Software GmbH supports the daily business of Raiffeisenbanks in Austria with user-friendly IT systems. The corresponding IT solutions set standards in the financial sector.

From needs assessment and realization through to support
The satisfaction of our customers with regard to user friendliness, functionality and the quality of the solutions is our highest guiding principle. The many years of cooperation and close relationship with Raiffeisen allow recognition of the demands and requirements in daily banking business and support provision through our IT competency. This plays a decisive role in the customer's value creation processes.

A reliable partner
Raiffeisen Software GmbH acts in accordance with the central values of Raiffeisen. Thus security, reliability and stability are the first priority of Raiffeisen Software GmbH. Based on mutual trust and long customer relationships, Raiffeisen Software GmbH develops its solutions in cooperation with the customers, whereby acting as partners and staying close to our customers are decisive success factors.

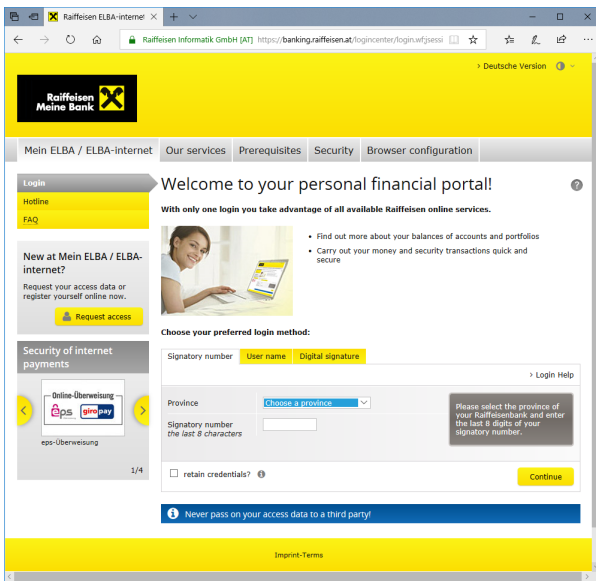## Initial situation/problem/requirements

Personal electronic document storage is an important topic for the customers of various Raiffeisen systems. In the e-banking system „Mein ELBA" Raiffeisen therefore aims to offer its customers the simple and fast generation of PDFs in various templates (turnover lists, advisor mailbox etc.).

The interconnection within all templates in the system means that it is also important that separate implementation and layout of the PDF document is not necessary beyond the web templates, which have also be designed both professionally and responsively. Ideally the PDF should be generated from the HTML and CSS shown in the web browser.

Many of the providers and open source tools that are available on the market rely on a separate PDF description language here and were not able to satisfy the high demands of Raiffeisen regarding usability and effort. On the other hand some browsers offer integrated „PDF print" functions but these are not available in all customer systems and could not be used without a complex print dialogue.

Solution/motivation/why RealObjects PDFreactor?

The use of RealObjects PDFreactor allowed Raiffeisen to establish a generically usable „HTML to PDF as a service" function in its systems without requiring a lot of time. Raiffeisen Software GmbH chose a PDFreactor „Corporate Application License" that also enables unlimited use of any sub applications such as „Mein ELBA" (https:// banking.raiffeisen.at/) as part of the application „Digitale Regionalbank".

Based on this service the developers are able to use the existing HTML structure and CSS layouts that are established innately for browser printing for export as a PDF. The comprehensive security features in PDFreactor allow the prevention of attack scenarios such as the execution of JavaScript, thus fulfilling the high security standards of Raiffeisen. A PDF export function can be established in the systems in this way with minimal effort and the customer's desire for consistent electronic document storage fulfilled.

Realization/objectives

Architecturally the PDFreactor library is integrated into a cross-sectional micro-service and offered to the teams via a REST-API. For example an export button is clicked in the customer's browser to send a „snapshot" of the current HTML structure including CSS to the PDFreactor micro-service.

The PDFreactor component creates a PDF from this that is sent back to the browser for the customer to download. The PDFs that are created serve Raiffeisen and its customers as a convenient function and the documents are neither legally valid nor signed.

„With regard to support services I would like to note that the processing was competent and smooth at all times. I was informed regularly by the RealObjects Support Team about the status of my enquiries. They were handled quickly, unbureaucratically and with great care", says Engineer Sabrina Rockenschaub of Raiffeisen Software GmbH.

Conclusion

The integration of RealObjects PDFreactor has enabled Raiffeisen Austria to establish a widely applicable PDF export function for its customers. The simple use and flexibility of the PDFreactor components allows its use in many facets of the Raiffeisen systems.

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