FRESHCODE
We make ideas happen

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Rhino Security Labs

Client: Rhino Security Labs

Site: rhinosecuritylabs.com

Industry: Cybersecurity

Country: USA

Size of the Team: 1 person

Duration: ongoing, 6 months

Technologies Used:

CLOJURE	POSTGRES	CLOSTACHE
ANGULAR	CSS 3	HTML 5

RHINO SECURITY LABS

OUR CLIENT

The main objectives of Rhino Security Labs' services are to identify security vulnerabilities, protect architecture and mitigate risks. The company is known for its insight into the needs of retail and healthcare, financial services and technology as well as other vertical markets. All security assessment and management services can be tailored to the needs of specific businesses, be it a multinational corporate giant or a budding start-up.
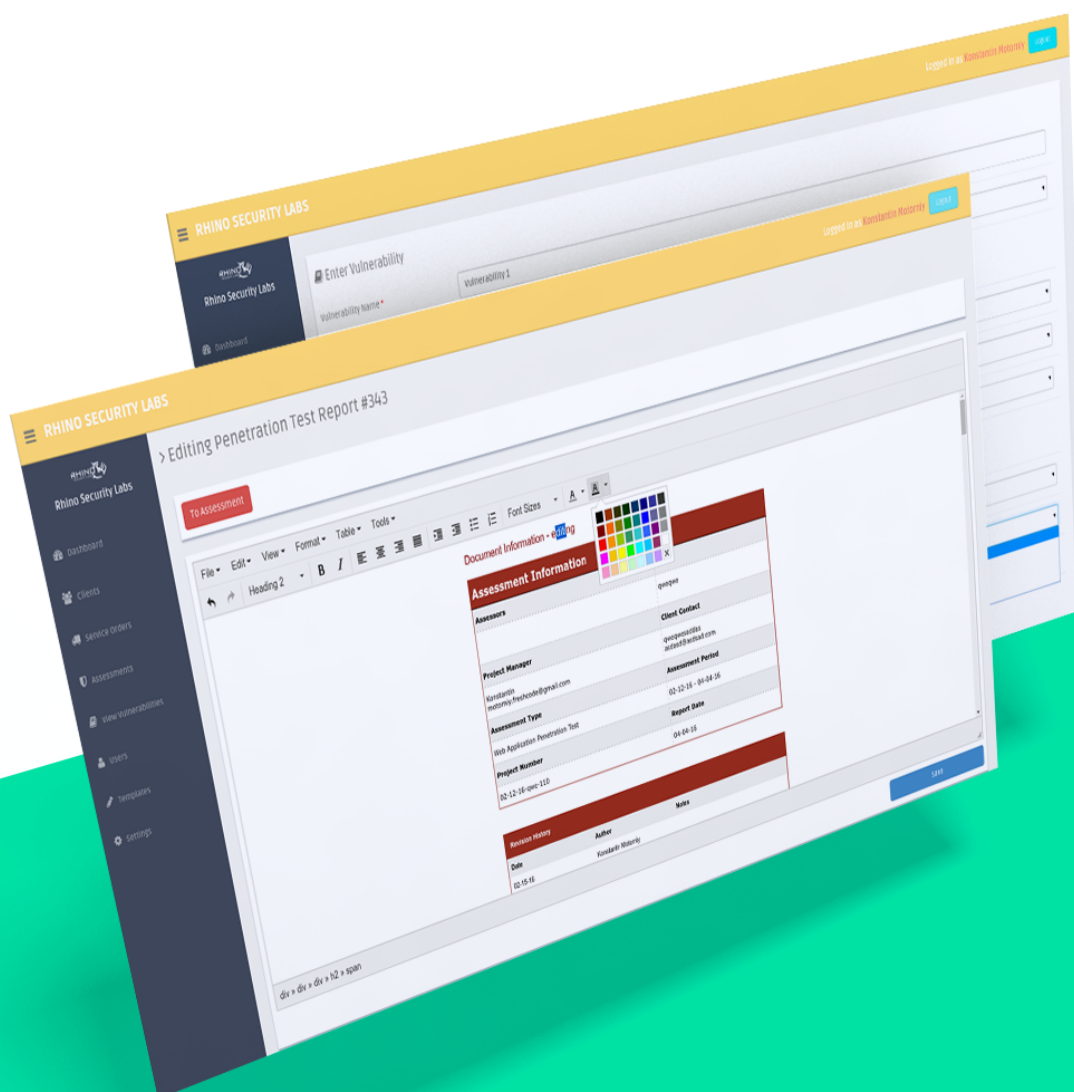
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BUSINESS ISSUES

Security assessment report building application was in order to replace manual report generation. Our main objectives included:

▶ Replacing manual report building tool with automated application

▶ Using XML parser to improve third-party applications security data aggregation efficiency and time

▶ Creating flexible online PDF editor for reports' templates

▶ Providing several data access layers

▶ Additional report types generation according to the type of security vulnerabilities

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SOLUTIONS

Our team created a flexible, easy-to-use web-application for automatic PDF reports generation using XML parser to effectively aggregate external applications' data on security vulnerabilities. Detailed reports are automatically filled with information on vulnerabilities' background, threat level and possible solutions. Generated PDF report as well as PDF report templates can be edited using online template engine. To guarantee data security and prevent any security leaks during report generation our developers created additional tools, including the custom screen-shot editor.

One of the most daunting tasks was creating several data access layers: two for admins and several layers for basic users with possibilities to generate and edit reports as well as the database.

Report generation tool recognizes three main types of security vulnerabilities and chooses report template accordingly. Future development will see template tree broadening with individual templates for new types of vulnerabilities, further integration with other tools and creating reports' export system.

BUSINESS VALUE

This solution accelerated Rhino Security Labs' performance and improved service quality. As a result our client is experiencing an increase in a number of customers.