

Contents

Executive Summary: 2

Problem Statement: 2

Proposed Solutions:..... 3

Technology Summary 4

Usage Workflow: 4

Modules: 5

Architecture Details: 5

Recognizer Document..... 6

Scope of Work: 6

Expected Outcomes:..... 7

Conclusion:..... 7



Streamlining Document Authentication and Recognition with SwiftBitDoc for 4SLonline

Client Name: 4SLonline

Project Type: Document Analyzer | | Recognizer | | Sign

Made By: WayIndia Software solution Pvt. Ltd.

Executive Summary:

In an era driven by digital transformation, businesses and individuals alike seek efficient solutions for document authentication and verification. Enter Swiftbitdoc, a robust web application developed using ASP.NET Core MVC, designed to revolutionize the process of applying digital signatures and digital stamps on various file formats. Targeting businesses, organizations, and individuals, Swiftbitdoc ensures document integrity, data security, and compliance with industry standards for digital verification.

Problem Statement:

4SLonline, a background verification company, grapples with the substantial challenge of processing over 50 candidates documents on daily basis, each submitting an extensive array of 40-50 documents. This accumulates to a staggering workload of more than 2000 documents daily. The manual verification, stamping process becomes not only time-consuming but also error-prone, impacting the efficiency of crucial background checks.

Additionally, the sheer volume of documents presents a significant storage and processing challenge, straining existing resources. The current workflow not only hampers operational efficiency but also raises concerns about data accuracy and storage capacity. In essence, 4SLOnline faces a dual challenge of optimizing the verification process for a high volume of candidates while addressing the storage and processing constraints associated with handling an overwhelming number of documents each day.

The challenges faced include:

1. Document Overload:

- Each person handling an extensive volume of documents, leading to time-intensive manual processing.

2. Stamp Application Delays:

- The manual application of stamps to documents is contributing to delays in authentication and verification.

3. Processing Inefficiencies:

- Cumbersome procedures are causing inefficiencies, impacting the overall workflow.

4. Error Proneness:

- The manual nature of the process increases the likelihood of errors in document authentication and stamp application.

Proposed Solutions:

To address the challenges outlined, we have implemented a comprehensive solution aimed at streamlining document processing and authentication. The key features of our solution include:

1. Automated Document Processing:

- Introduction of an automated document processing system that efficiently handles and categorizes documents, reducing the manual workload.

2. Digital Stamp Application:

- Implementation of a digital stamp application feature, allowing for seamless and instant application of stamps to documents.

3. Batch Processing Capabilities:

- The solution incorporates batch processing capabilities, enabling users to handle multiple documents simultaneously, significantly reducing processing times.

4. Intelligent Document Recognition:

- Utilization of intelligent document recognition technology to automatically identify and extract key information from documents, minimizing the risk of errors.

5. User-Friendly Interface:

- The solution boasts an intuitive and user-friendly interface, ensuring that individuals across the organization can easily navigate and utilize the application.

6. Customizable Stamp Templates:

- Provision for customizable stamp templates, allowing users to personalize and apply stamps with ease.

7. Real-time Tracking and Notifications:

- Implementation of a real-time tracking system, providing users with updates on the status of document processing and stamp application. Notifications are sent upon completion.

8. Secure Document Storage:

- The solution ensures secure storage of processed documents, maintaining confidentiality and integrity throughout the authentication process.

Technology Summary

- **Integration with .NET Core Web APIs and MSSQL Database**

Swiftbitdoc seamlessly integrates with .NET Core Web APIs, fostering collaboration with other systems or third-party applications. Leveraging an MSSQL database, the application ensures efficient data storage and retrieval, enhancing overall performance and reliability.

Key Features:

1. Digital Signature Application:

- Users can securely digitally sign documents in various formats, customizing appearance and placement.

2. Digital Stamp Application:

- Users can add digital stamps, such as logos or seals, to documents, ensuring seamless and efficient authentication.

3. Multi-Format Support:

- Swiftbitdoc supports PDF, PNG, JPG, and JPEG, providing versatility for users with diverse document types.

4. User Management:

- The application offers user account management, enabling registration, login, and profile customization, including digital signatures and access control.

5. Document History and Audit Trail:

- Swiftbitdoc maintains a detailed history of signed documents, timestamps, and user information for audit and verification.

6. Authentication and Security:

- Robust authentication measures and encryption protocols ensure data privacy and security during document storage and transmission.

7. Easy Integration:

- Swiftbitdoc seamlessly integrates with other systems or third-party applications through its API, facilitating streamlined document signing workflows.

Usage Workflow:

1. Upload Document:

- Users upload documents in various formats (PDF, PNG, JPG, JPEG) to the application.

2. Place Digital Signature and Stamp:

- Users customize and apply digital signatures and stamps at their preferred locations.

3. Configure Signature and Stamp Settings:

- Customization options allow users to upload multiple signatures and stamps for document verification.

4. Preview and Verify:

- Users preview documents with applied signatures and stamps before finalizing.

5. Apply Digital Signature and Stamp:

- Satisfied users apply digital signatures and stamps for document authentication.

6. Download or Share Authenticated Document:

- Authenticated documents can be securely downloaded or shared with other parties.

Modules:

Swiftbitdoc comprises four modules catering to diverse user needs:

1. Admin Module:

- Dashboard insights, document management, stamps, email history, subscription, and transactions.

2. Individual Module:

- User-centric dashboards, stamps, email history, subscription.

3. Corporate Module:

- Corporate dashboards, stamps, departments, email history, subscription.

4. Department Module:

- Departmental dashboards, stamps, email history.

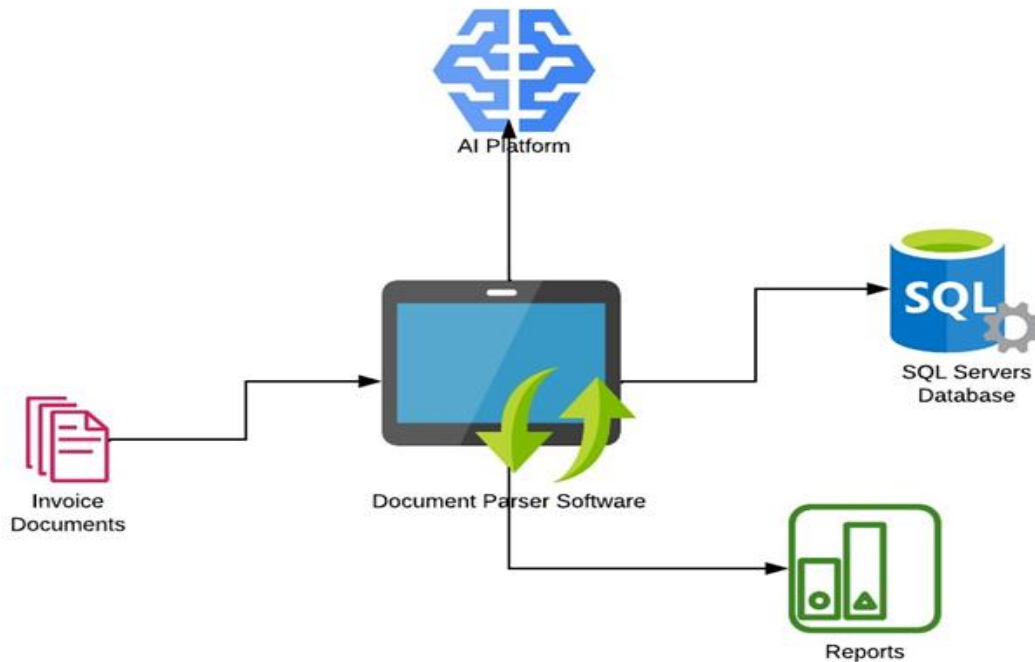
Architecture Details:

Technology Stack:

- ASP.Net Core 6.0, MVC, Microsoft Azure form recognizer, Microsoft SQL server technology, C#, HTML 5, CSS, JavaScript, Bootstrap, SQL.

Application Architecture:

- MVC (Model View Controller) architecture for efficient development and maintenance.



Recognizer Document

Swiftbitdoc extends its capabilities with the document recognizer module, facilitating automated data extraction and document processing. With the Form Recognizer, Swiftbitdoc aims to:

- Understand content and structure of various documents.
- Extract key information automatically, reducing manual data entry.
- Improve efficiency in business processes.

Scope of Work:

1. Installation and Configuration:

- Cloud-based Form Recognizer software setup.

2. Customization:

- Tailoring the software to meet client-specific requirements.

3. Training Sessions:

- User training sessions for administrators, employees, and stakeholders.

4. Technical Support:

- Ongoing technical support and assistance during implementation.

Expected Outcomes:

Upon the full implementation and adoption of our streamlined document processing and authentication solution, we anticipate the following outcomes:

1. Drastic Reduction in Processing Times:

- The automation of document processing and digital stamp application is expected to significantly reduce the time taken to handle each document.

2. Increased Operational Efficiency:

- The introduction of batch processing and intelligent recognition technologies will contribute to a more streamlined and efficient workflow.

3. Error Mitigation:

- Automation and intelligent recognition will lead to a reduction in errors associated with manual document processing.

4. Enhanced User Productivity:

- Users will experience increased productivity as they can focus on more value-added tasks, with the automation of routine document handling.

5. Real-time Visibility and Control:

- Users will have real-time visibility into the document processing status, ensuring better control and management of the overall process.

By implementing these solutions, we aim to transform our document processing and authentication workflows, making them more efficient, error-free, and aligned with the dynamic needs of our organization.

Conclusion:

Swiftbitdoc stands as a beacon of innovation, providing a reliable, secure, and user-friendly solution for document authentication and verification. Its features, modules, and integration capabilities position it as a leader in the digital document management landscape.

For businesses and individuals seeking a seamless, efficient, and secure document authentication experience, Swiftbitdoc is the gateway to the future.