Server-Side Documentation Sprint 2

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1. Project Overview

Project Description: The server part of "docflow" manages documents and metadata through a REST API. It supports authentication, retrieving document types, and processing documents.

2. Installation and Launch

System Requirements:

- Node.js, version 12 or newer.
- PostgreSQL database.

Installation:

- Clone the repository from GitHub.
- Install dependencies using npm install.
- Configure the .env file with database settings and port.

Starting the Server:

- Start the server with the command npm start.

3. Application Architecture

Application Components:

- Document Types API: API for retrieving document types.
- Receive Document API: API for receiving documents.
- Authentication and Security: Manages authentication and security.

4. Detailed Component Descriptions

Document Types API

- Function: Provides information about different types of documents.
- Endpoint: GET /document-types
- Technology: Node.js, Express, Sequelize.

Receive Document API

- Function: Accepts documents and associated metadata.
- Endpoint: POST /receive-document
- Technology: Node.js, Express, Multer for file handling.

5. User Guide

Fetching Document Types:

- Send a GET request to /document-types to retrieve all available types.

Receiving a Document:

- Send a POST request to /receive-document with the document and metadata.

6. API Documentation

Document Types Endpoint:

- Method: GET
- URL: /document-types
- Response: JSON list of document types.

Receive Document Endpoint:

- Method: POST
- URL: /receive-document
- Body: Form-data with the document and metadata.
- Response: Confirmation of receipt.

7. Security Practices

Description of Security Measures:

- Validates input data.
- Handles errors and implements security protocols.

8. Error Handling

Common Questions and Problems:

- What to do if a document cannot be received.
- How to solve database connection issues.

9. Conclusion

Maintenance and Support:

- Regular updates and upgrades.
- Support available via email and GitHub.

Appendices

- **Diagrams:** Server component and data flow diagrams.
- **Code Examples:** Examples of API calls and responses.