

Document Management Application with AI-Driven Metadata Generation

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INTRODUCTION

“

“Knowledge is power. Information is liberating.”

-Kofi Annan

PRESENTATION OF THE HOST ORGANIZATION



PROBLEM STATEMENT



- Hard to find the right documents.
- Creating metadata manually takes too much time.
- Documents are not organized consistently.
- Downloading and sharing documents is inefficient.



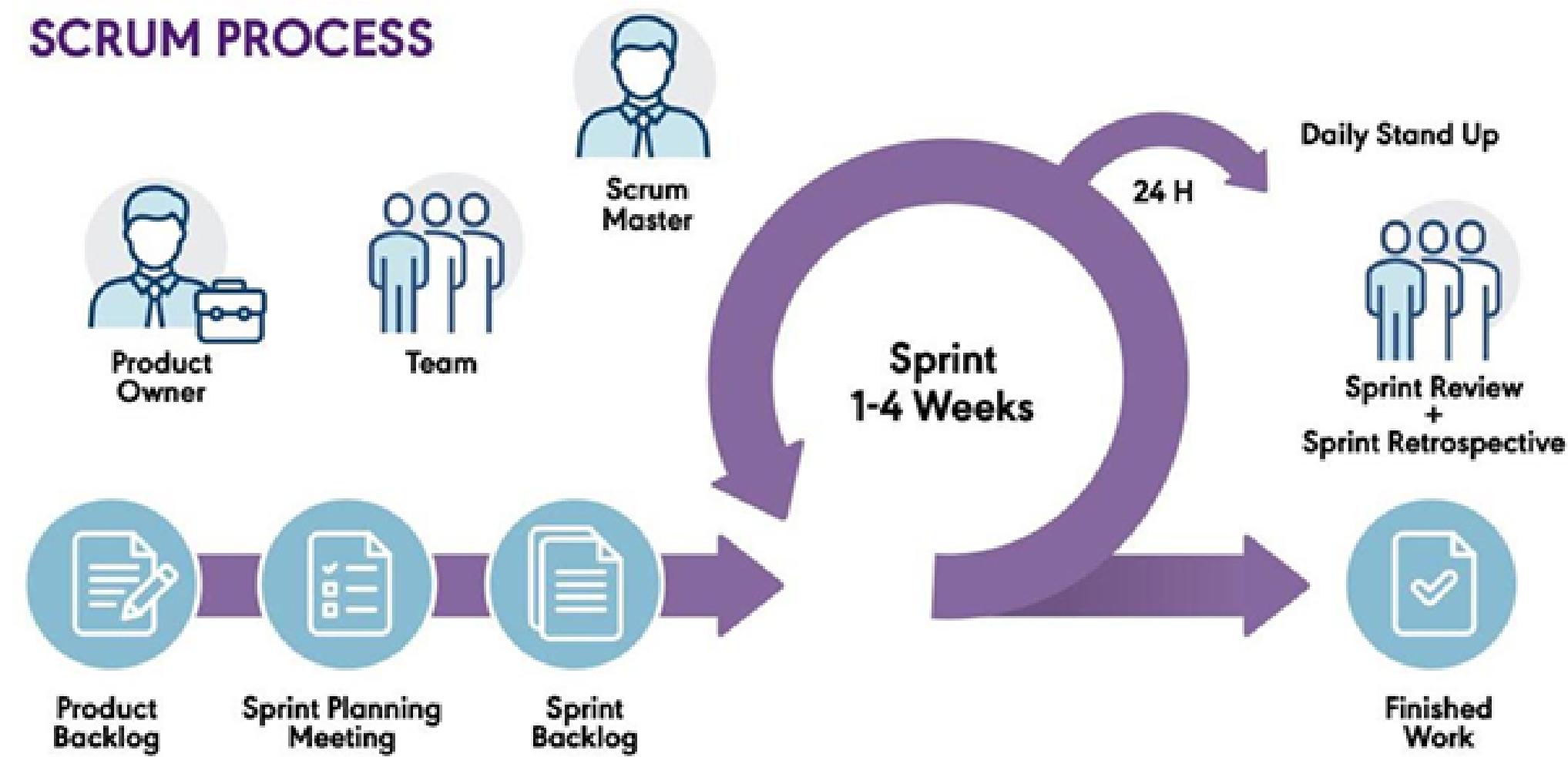
Objectives

- 1 Build a document management platform that can grow with users' needs.
- 2 Use AI to automatically generate document metadata.
- 3 Make it easy to browse, upload, update, and download documents.
- 4 Create a simple and responsive user interface.
- 5 Keep document data safe and well-organized.

Project Management Approach

Scrum Methodology

The SCRUM approach is an Agile method for managing projects. It helps teams work better and improve the product using regular feedback.



Functional Requirements

Document Catalog Management

Document Data Management

Download Functionality

AI-Powered Description Generation

Dashboards and Visualization

Report Export

Local Chatbot

Non-Functional Requirements

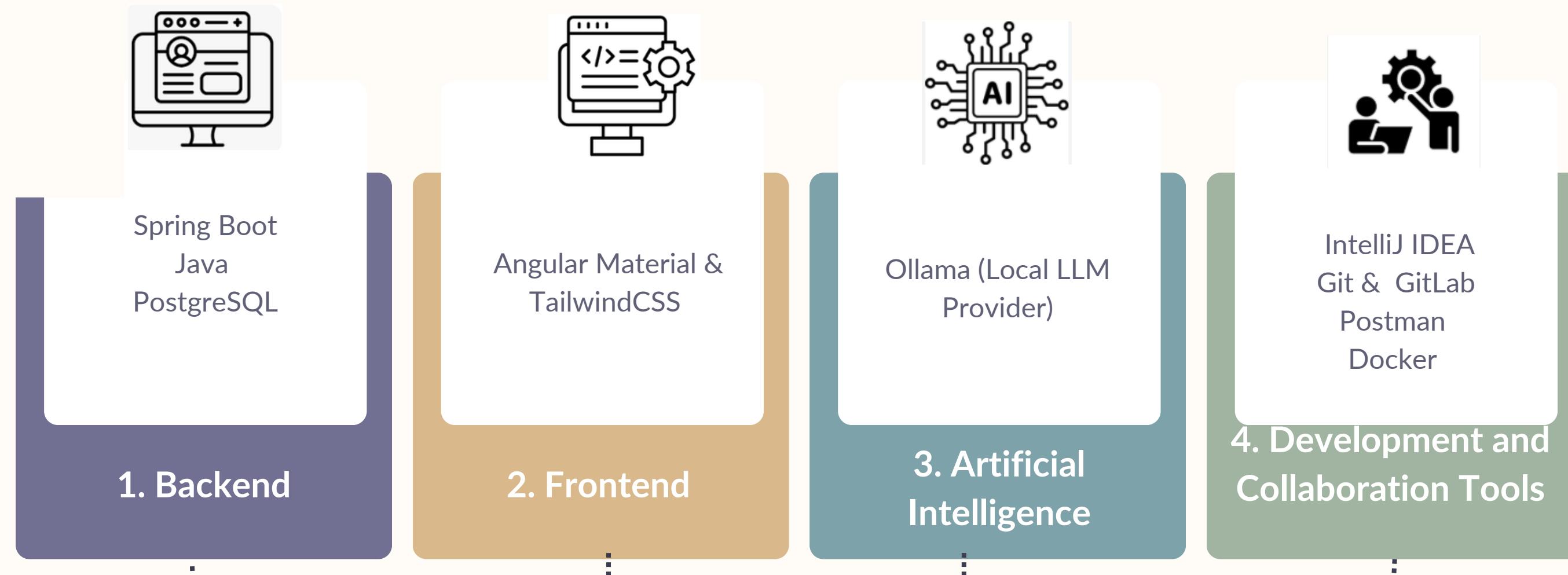
Performance

Security

Maintainability

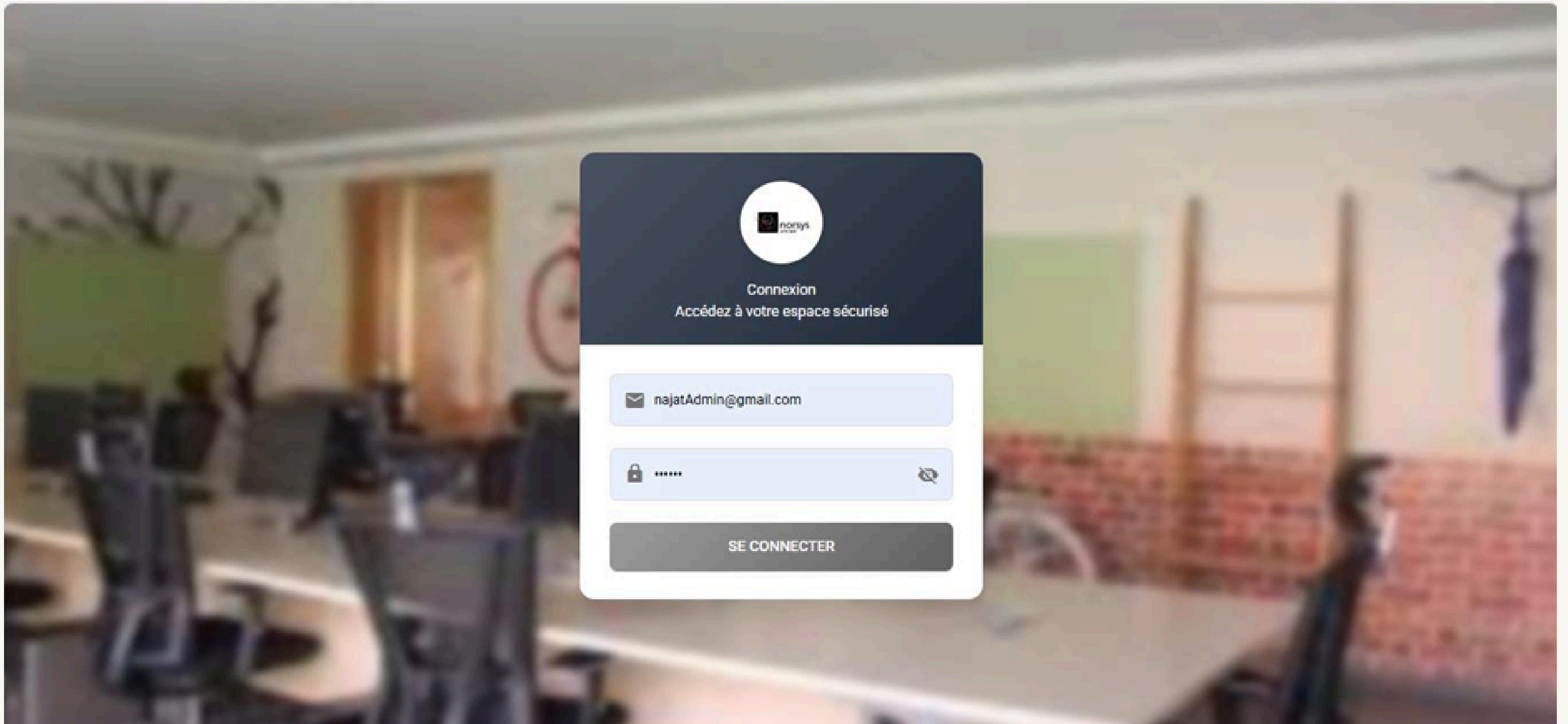
Usability

Tools



APPLICATION INTERFACES (UI DEMONSTRATION)

a. Authentication Interface



b. Dashboard Interface

The screenshot displays the 'Tableau de bord' (Dashboard) page of the DocumentAI application. The top navigation bar includes the 'norsys' logo, a 'dashboard' tab (which is active), 'Documents', 'Users', and a user profile icon.

The main title 'Tableau de bord' is followed by the subtitle 'Vue d'ensemble de votre activité' (Overall activity overview). Below this, there are four primary performance metrics:

- Documents:** 8 (Total des documents)
- Utilisateurs:** 8 (Utilisateurs actifs)
- Avec feedback:** 2 (25% des documents)
- Documents récents:** 7 (Ajoutés récemment)

Below these metrics, two sections provide detailed data:

- Types de documents:** A grid showing document counts and percentages:
 - PDF: 3 (30% du total)
 - Word: 2 (25% du total)
 - Excel: 3 (30% du total)
 - Sans feedback: 6 (75% du total)
- Répartition des feedbacks:** A donut chart showing 25% with feedback, and a table below it:

Type de feedback	Nombre
Avec feedback	2
Sans feedback	6

At the bottom of the dashboard, a copyright notice reads '© 2025 DocumentAi. All rights reserved.'

C-Document Interface with Pagination

The screenshot displays a user interface for managing documents. At the top, there is a navigation bar with the 'norsys' logo, 'dashboard', 'Documents' (which is the active tab), 'Users', and a user profile icon. Below the navigation bar are search and filter fields: 'Rechercher...' with a magnifying glass icon, 'Created At' and 'Updated At' date pickers, and a 'Size' dropdown set to 'Greater than' with a 'Value' input field and 'MB' unit. On the right side of the header are 'Exporter' and 'Ajouter' buttons.

The main content area shows a grid of document cards. Each card has a title, author, rating, and a set of icons for editing, deleting, and viewing details. The cards are as follows:

- Norsys Company Profile** by najat el ouahi, rated 5 stars. Icons: edit, delete, download, info, details.
- Norsys Company Profile** by najat, rated 5 stars. Icons: edit, delete, download, info, details.
- Norsys Company Profile** by najat, rated 5 stars. Icons: edit, delete, download, info, details.
- Document title** by Unknown, rated 5 stars. Icons: edit, delete, download, info, details.
- test** by test, rated 5 stars. Icons: edit, delete, download, info, details.
- tt** by tt, rated 5 stars. Icons: edit, delete, download, info, details.
- f** by f, rated 5 stars. Icons: edit, delete, download, info, details.
- Project Timeline Analysis** by Unknown, rated 5 stars. Icons: edit, delete, download, info, details.

At the bottom of the page, there is a pagination bar with 'Items per page:' dropdown set to 10, a page number '1 - 8 of 8', and left/right navigation arrows.

D-Document Interface with Pagination

The screenshot shows a document management application interface. At the top, there is a navigation bar with links for 'dashboard', 'Documents' (which is the active tab), and 'Users'. Below the navigation bar, there is a search bar labeled 'Rechercher...' and some filtering options for 'Created At' and 'Size'.

The main content area displays several document cards. Each card has a title, author, a preview section with a file selection button, and a detailed description. The cards are as follows:

- Norsys Company Profile** by majet el oussi: 5 stars, edit, delete, details.
- Norsys Company Profile** by majet: 5 stars, edit, delete, details.
- Project Analysis Report** by Document Analyzer: 5 stars, edit, delete, details. This card is highlighted with a red border.
- test** by test: 5 stars, edit, delete, details.

A modal window titled 'Ajouter un document' (Add a document) is open in the center. It contains fields for 'Title*' (Project Analysis Report), 'Author*' (Document Analyzer), a file upload section ('Upload file' button, showing 'rapport 2024.docx' selected), and a 'Description*' text area. The description text is: "This document analyzes the provided text and extracts key information about the project, focusing on the author's contributions and the project's scope. It identifies the author's role and". At the bottom of the modal are 'Cancel', '+ Generate', and 'Add' buttons.

Pagination controls at the bottom of the page show 'Items per page: 10', '1 - 8 of 8', and navigation arrows.

E-Document Interface with Pagination

The screenshot displays a web-based E-Document interface. At the top, there is a navigation bar with the brand logo "norsys", a "dashboard" link, and a "Documents" link which is underlined, indicating it is the active page. To the right of the navigation are "Users" and a user profile icon.

On the left side of the main content area, there are four document cards, each showing a title, author, rating, and a set of edit and delete icons. The titles visible are "Norsys Company Profile", "Norsys Company Pro", "tt", and "f".

A central modal window is open, titled "Détails du Document". It contains the following information:

- Title:** Project Analysis Report
- Author:** El Ouahi
- Description:** This document analyzes the provided text and extracts key information about the project, focusing on the author's contributions and the project's scope. It identifies the author's role and the project's details, including its purpose and structure. The document also extracts relevant keywords and abbreviations for context.
- Creation date:** 01/09/2025 13:41
- Add a comment:** A text input field labeled "Comment".
- Evaluation:** A 5-star rating system with 5 stars highlighted.
- Feedbacks:** A list of comments and their timestamps:
 - good doc (5 stars) - 9/1/25, 1:46 PM
 - super (5 stars) - 9/1/25, 1:46 PM

At the bottom of the modal is a "Close" button. Below the modal, the footer of the page includes "Items per page: 10" and a page number indicator "1 - 9 of 9".

On the far right of the interface, there are two buttons: "Exporter" and "Ajouter".

F-Document Viewing Interface

The screenshot displays a document management application interface. At the top, there is a navigation bar with the 'norsys' logo, 'dashboard', 'Documents' (which is the active tab), and 'Users'. Below the navigation bar is a search bar labeled 'Rechercher...' and filters for 'Created At' (date range) and 'Size' (greater than). The main content area shows a grid of document cards. One card, titled 'Docker', is currently selected and displayed in a modal window. The modal has a title 'Aperçu du document' and a navigation bar with icons for back, forward, and search, showing page '1 sur 5'. The preview content is titled 'Docker' and contains several bullet points in French, such as 'Créer un Dockerfile pour une application web en utilisant Node.js', 'Utiliser un Dockerfile pour décrire les dépendances et les configurations de l'environnement d'exécution de l'application', and 'Utiliser des variables d'environnement pour configurer l'application'. Below the text is a screenshot of a terminal window showing Docker command output. The modal has a 'Fermer' (Close) button at the bottom right. The background grid contains other documents with titles like 'Norsys Company Profile', 'Norsys Company Pro', 'tt', 'f', 'Analysis Report', 'test', and 'Docker Development Guide', each with a star rating and edit/delete icons.

G-User Management Interface

The screenshot shows a web-based user management application. At the top, there is a header bar with a back button, a refresh button, a search bar containing "localhost:4200/users", and various icons for file operations and user management. Below the header, a navigation menu includes a logo for "norsys", "dashboard", "Documents", and "Users". The "Users" tab is currently selected. On the left side, there is a sidebar with a user profile icon and a dropdown menu.

The main content area is titled "List of Users". It features a table with columns: FIRST NAME, LAST NAME, EMAIL, ROLE, and ACTIONS. The table contains the following data:

FIRST NAME	LAST NAME	EMAIL	ROLE	ACTIONS
nnnnna	elouahi	nnnn@gmail.com	ADMIN	
Najat	El Ouahi	admin@admin.com	ADMIN	
Najat	El Ouahi	admin@gmail.com	ADMIN	
Najat	El Ouahi	najatadmin@example.com	ADMIN	
Najat	El Ouahi	najatuser@gmail.com	USER	
Najat	El Ouahi	najatAdmin@gmail.com	ADMIN	
test	test	test@gmail.com	USER	
test	test	nn@gmail.com	USER	

At the bottom of the table, there is a pagination control with "Items per page: 10" and "1 - 8 of 8" followed by previous and next arrows.

CONCLUSION AND FUTURE PROSPECTS

- Multi-language Support
- Faster and Higher-Quality AI Model



Thank you for your
attention