

EINO_Story_3.0

EINO Story

V3.0

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Overview EINO

- EINO is a SAAS product.
- EINO is an automated system for knowledge management.
- EINO is mainly designed for the organizations to ease the task of the organization, head of the departments, technical staffs and ongoing employees.
- An organization will be able to submit(post), search, and filter information in Video, Audio, and all document formats.
- An administrator will have complete control over all users, features and functions of his/her organization.
- Analytics at the administrative level will be available.
- **Software Quality Attributes**
 - **AVAILABILITY:** Since we are hosting our project on the server it will be available all the time.
 - **CORRECTNESS:** The system should generate an appropriate report about different activities of the lab and should keep track of all records.
 - **MAINTAINABILITY:** The system should maintain correct schedules of labs and the documentation of all the lab equipment.
 - **USABILITY:** The system should satisfy the maximum number of user's needs.
- **Software Requirements**
 - **Front end-** Next Js, React Js., HTML, JavaScript, Gamification
 - **Back end-** Python based Django REST framework, Postgres Database Server
 - **Web Browser:** Microsoft Internet Explorer, Mozilla, Google Chrome or later.
 - **Operating System:** Compatible with all the operating systems having a browser installed in it.

Problem Statement & Solution

Organization are in constant need of upskilling and retaining documents and assets pertaining to their line of business. They are in constant need of solution which are highly secure, customizable, simple and can be played in cloud and on-prem. The solution should be securely accessible on portable devices and web. Typically organization should be able to upload and share documents, videos administrated using admin and users. Super admin to create organization.

EINO - the digital assistant for saving and finding your own knowledge. We call EINO- your Knowledge Island. Imagine you have a search engine for your own important topics. "Your own knowledge- save, search, learn, share or store platform in the form of media data as text, audio, video or document inside your company network."

- EINO helps you to find the right knowledge, thought flashes, voice memos, documents, video tutorials etc. (
- No matter if it's a voice memo, an explainer video, a text document or even a simple image.
- You create your digital content directly live or select already existing content.
- It doesn't matter whether you use a computer, tablet or cell phone.
- When uploading to your personal cloud storage, you can add keywords. Thanks to our Artificial Intelligence algorithms which take care of the rest.

- It doesn't matter whether you are a solo self-employed person, a private person or want to integrate all employees of the company into a common knowledge world. EINO is flexible here.

Questions:

1. Have you ever asked yourself what happens if you or your best employee fails?
2. How well do all processes continue then?
3. Is it clear who does what, when, where and how?

What are completely normal work processes for some is often completely uncharted territory for others who have to deal with it on the spur of the moment. EINO helps to ensure that our experiences can be passed on smartly to other employees, family members or even from generation to generation. Gain the knowledge and share the knowledge via EINO easily.

When curiosity meets knowledge, new worlds are created.

Come to the Eino.world

Features EINO-ME

S.No	Persona	Requirement	Product	Priority	Localize	Ticket Numbers
1	User	The data entry form should be in following order: 1) Select/Create Content 2) Description 3) Assign tags 4) title 5) supplementary parameters	EINOME	H	EN/GER	FE EPIC EINO-35: As a user I would be able to upload Documents , publish and & View contents DONE EINO-36: Screen to capture The knowledge document with tags , descriptions, parameters DONE , EINO-41: Assign titles for the captured file / created knowledge base DONE BE Epic : https://barytech.atlassian.net/browse/EINO-43 - Can't find link
2	User	Data formats conversion	EINOME	M	EN/GER	EINO-37: Data formats conversion from device camera & other sources DONE
3	User	Upload video, audio, photo, doc - within EINO. Selection directly from the device folder structure Camera (photo) Camcorder (Video) Scanner (Doc) Document upload function like Zoho Workspace,	EINOME	M	EN/GER	EINO-38: Upload different knowledge items using different device sources(Audio, Video , File Directory , Screen Shot) etc DONE
4	User	"Description"" for the content (mandatory) there are 2 input possibilities (selection via icon/button) enter text via keyboard classic via native Speech-To-Text function"	EINOME	M	EN/GER	EINO-39: Take description for the content DONE
5	User	Tags for the content (optional, configurable in the setup) there are 2 input options (selection via icon/button) Enter tag via keyboard - suggestions of already existing tags for the company are displayed live, depending on the match with the entered letter sequence. via native Speech-To-Text function 3) if needed, the whole description (without filler words like and, or, but, ...) can be displayed again e.g. as a popup window -		M	EN/GER	EINO-40: Take tags for the content DONE ,

		now the user can click on the words he wants to have as a tag - these will then automatically land in the tag field				
6	User	Assign title (optionally configurable in the setup). A text is always suggested here, which is derived from the description - you can edit this text.		M	EN/GR	EINO-41: Assign titles for the captured file / created knowledge base DONE
7	User	Supplementary - if required (optional) Select target group for the content = share (e.g. department, single users, only me --> default: whole company, configurable in setup) --> this determines whether the content ends up in the queue or directly in the user's space 2) Define Follow-Up Date		L		EINO-42: Share function : native sharing functionality for resources TO DO EINO-36: Screen to capture The knowledge document with tags , descriptions, parameters DONE
8	User	Sending Update		L	EN/GR	EINO-77: Notification about my content uploads DONE
9	User	Telegram Group for Users		L	EN/GR	Not covering EINO ME
10	User	There is a small display that shows how much audio or video volume can currently be recorded at all		M	EN/GR	EINO-76: My Uploads screen DONE EINO-56: Dashboard , see all uploaded documents in my space DONE EINO-44: Small display to show how much space is left to upload DONE
11	System	Confidential information screenshot from EINO app should show blank screen or not allow		M		EINO-45: Copy of ticket 645- Data security for Confidential eino resources DONE
12	System	Export data not allowed, import only allowed post inspections of the data				EINO-46: Export data not allowed, import only allowed post inspections of the data TO DO
13	Systems	Followup feature is beneficial for single owner to get notification on the follow-up of customer				EINO-47: Followup feature is beneficial for single owner to get notification on the followup of customer TO DO

Persona

SADMIN	ADMIN	USER	Tickets
BaryTech	Company representatives added by SADMIN	All, who is using EINO and has been added by: SADMIN- in case EINO-ME ADMIN- in case EINO My Business	EINO-31: Super User Get All Client List Endpoint DONE
Company onboarding	First contact for SADMIN, A super user can log In and create an admin user . EINO-17: A super-user can login and go to his dashboard DONE		EINO-14: Use Onboarding Active flow Super Admin Setup DONE
Company Management	Invited by SADMIN, sign in on web & mobile by using the invitation link		EINO-52: User Activation and Login Flow DONE
No option to delete any company, can just enable/disable once added	No option to delete any user, can just enable/disable/ hide/unhide once added	EINO-19: A super user activate / deactivate a user DONE	
	Change password immediate after first login (password reset is always possible by SADMIN)	Change password immediate after first login (password reset is always possible by ADMIN)	EINO-95: Password Change Screen in EINO mobile DONE
Invoicing	Department creation (provided dashboard should be customizable and should give full flexibility to admins to set as per their requirements)		
Help and Support	Department level Management		
	User Management- Bulk user addition, deletion		
	Top in hierarchy for content approval, decline, archive		
	Owner of Company Dashboard having one click view of company statics, data usages, user management, company invoices, user Help table etc.		
	All Help emails can be seen on Admin dashboard. Admin has option to reply to User's request if one can or push it to SADMIN for work on that.	Help- in case support needed, write in Help section, mail goes to ADMIN	
	Uploaded Content needs no one's approval, directly merge to global area	Uploaded Content waits for approval by ADMIN	
		Create and Upload contents direct via mobile accompanied by Title, tags, description, critical/non-critical,	EINO-15: Upload Knowledge base Files regular File

		follow up date, whom should it be visible- department only or all in company	upload API design and implementation DONE
	Notification when any content has been uploaded in one's department	Notification: 1. After getting verdict from the SADMIN 2. Any content has been uploaded within department	<p>🔗 EINO-35: As a user I would be able to upload Documents , publish and & View contents DONE</p> <p>🔗 EINO-77: Notification about my content uploads DONE</p>
	Can search users	Can Search content	🔗 https://barytech.atlassian.net/browse/EINO-16 - Can't find link
		Can play videos directly in app	
		Each content has its own area with play, comment, like, report etc. sections.	
	Statistics- ADMIN have a full overview under this statistics page of all the users under his department and also on	Statistics- Each user has its own Statistics page including data usage & left, keywords diagram, types of data	

*Addon features Later-

1. Creating different sadmin accounts later. This will give access diff. sadmins diff user credentials and who is adding which user will be clear. We will also track superman super admin every month.
2. Add application performance matrix to track and improve app performance.
3. Adding kafka, google pubsub like data processing tools to track the user behavior and improve the application AI
4. Single click generate invoice by calling values from the sadmin entry dashboard based on the opted plans (EINO ME/Enterprise/Premium with fixed cost) **What is the price structure?**
5. Team chat?

Work-Flows

<u>EINO Me</u>	<u>EINO My Business</u>
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Authentication Workflow

Security Workflow

Registration WorkFlow

Login WorkFlow (Super Admin/Admin/User)

Add Org WorkFlow

View Org WorkFlow

Super Admin Dashboard WorkFlow

Admin Dashboard WorkFlow

User Dashboard WorkFlow

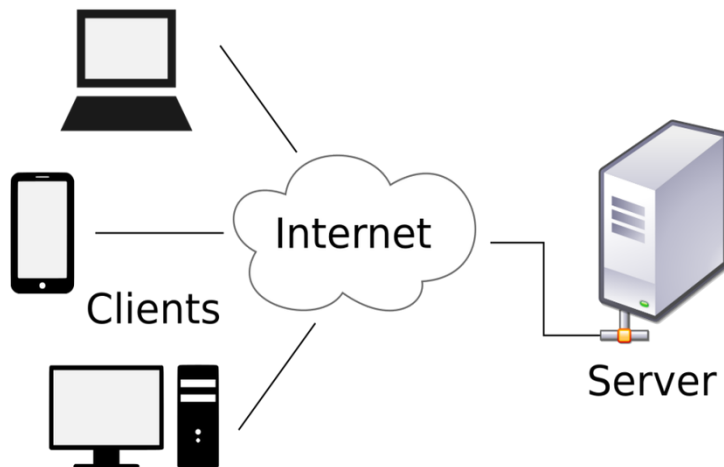
User Upload Document (Admin/User)

Run the Document in the App WorkFlow

Application Support Work

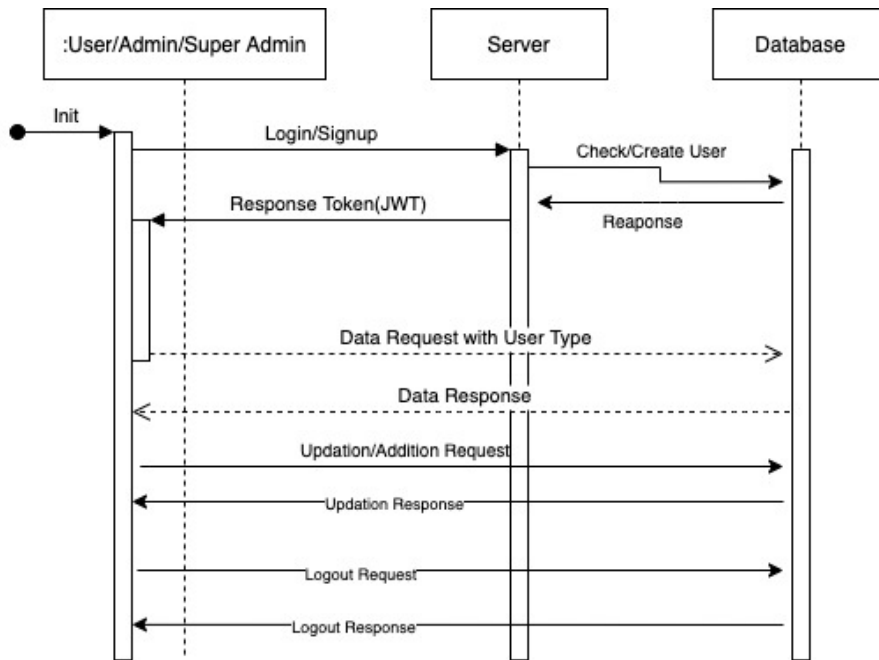
Add User WorkFlow

Client-Server Architecture

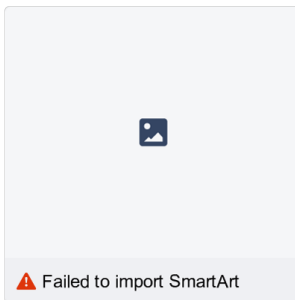


System Architecture

Sequence diagram



Total no of dashboards: 5



SADMIN- BaryTech is only Super admin.

EINO-ME- One Person company, individuals, freelancers

EINO My Business- A company more than one user

EINO My Business Plus- EINO My Business with extra features

URLS:

SADMIN <https://app.eino.world/sadmin/>

EINO-ME <https://app.eino.world/EINO ME/<company name>/>

EINO MY BUSINESS and **EINO MY BUSINESS PLUS** urls will get 2 options on top right- Admin and User. This is because any admin of a company may also be a user. And dashboards of a user and a admin are different.

- **EINO MY BUSINESS** <https://app.eino.world/ EINO MY BUSINESS /<company name>/> which is mapping actually 2 dashboards
 - <https://app.eino.world/ EINO MY BUSINESS /<company name>/ Admin>
 - <https://app.eino.world/ EINO MY BUSINESS /<company name>/ User>
- **EINO MY BUSINESS PLUS** <https://app.eino.world/ EINO MY BUSINESS PLUS /<company name>/> which is mapping actually 2 dashboards
 - <https://app.eino.world/ EINO MY BUSINESS PLUS /<company name>/ Admin>
 - <https://app.eino.world/ EINO MY BUSINESS PLUS /<company name>/ User>

SADMIN Workflow:

- By filling the form to add a new company, first create.
- Either EINO Me (one-person company) account
- Or multiuser/EINO My Business account

Companies

Home > Companies > Add New Company

Add New Company

Company Basic Info

Company Name *

Address *

City *

State/Country *

Zip Code *

Country *

Logo

Choose file Browse

• Max file upload size: 2 MB.
• You can upload picture in ".jpg, .png" formats.

Tags *

Company Contact Data (Admin)

Admin Name *

Admin Email *

Admin Phone *

Total Employees *

Plan & Payment Details

Plan

Select Plan

Plan Terms

Select Plan Terms

Payment Mode

Select Payment Mode

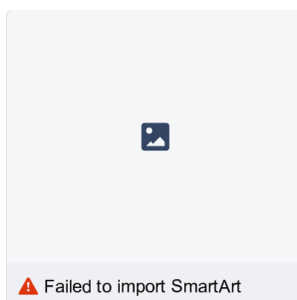
Status

☒ Active ☐ Deactive

Submit

Copyright 2021

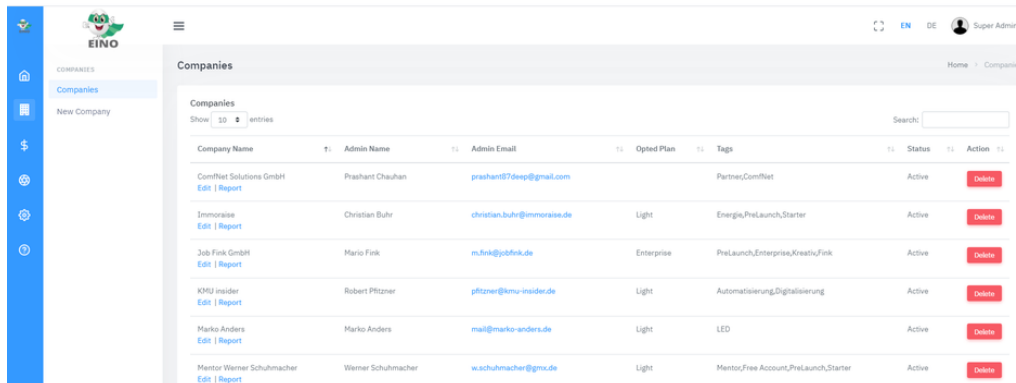
During filling the form, admin will select between either, one-person company account or a multiuser/EINO My Business account (drop down option or two separate tab boxes)



- The selection between accounts will decide the type of sub-form (the 2nd half of the form "Add New Company").
- After adding, the given email ID will get a message which looks like as:

ABSENDER	GEGENSTAND	ANSICHT
<div> <div></div> <div>EINO</div> <div>eino@comfnet.de</div> </div>	Willkommen	>

Add the company into SADMIN dashboard. The added company will be under companies list as follows:

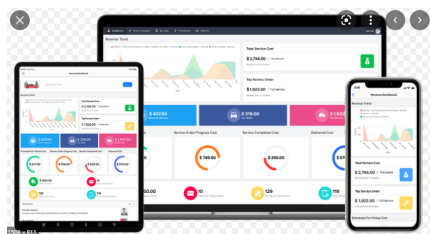


Company Name	Admin Name	Admin Email	Opted Plan	Tags	Status	Action
ComfNet Solutions GmbH Edit Report	Prashant Chauhan	prashant7deep@gmail.com		Partner,ComfNet	Active	Delete
Immoraize Edit Report	Christian Buhr	christian.buhr@immoraize.de	Light	Energie,PreLaunch,Starter	Active	Delete
Job Fink GmbH Edit Report	Mario Fink	m.fink@jobfink.de	Enterprise	PreLaunch,Enterprise,Kreativ,Fink	Active	Delete
KHJ Insider Edit Report	Robert Pfitzner	rpfitzner@khu-insider.de	Light	Automatisierung,Digitalisierung	Active	Delete
Marko Anders Edit Report	Marko Anders	mail@marko-anders.de	Light	LED	Active	Delete
Mentor Werner Schuhmacher Edit Report	Werner Schuhmacher	w.schuhmacher@gmx.de	Light	Mentor,Free Account,PreLaunch,Starter	Active	Delete

- Add following columns as well- type of opted plan (EINO Me/EINO My Business) plan, no of active users and remove ACTION column.
- **Edit** button will open the filled submitted form to change the entries or the status of the company.
- **Report** button needs more details.



Companies	
Total Data Uploaded	NAN
Number of Uploaders	0
Total Hashtags	
Total Views	0
Ratio of number of employees/ no. of EINO users	1 / 2



- There are three types of STATUS: **Invitation Sent**, **Active**, **Inactive**
- If someone is changing the status of the company, the sadmins will get notified via email. AND the company admin will get the link to proceed further.
- If someone is not extending its account after a date:

- For EINO Me:

~~Show a warning message on top for 7 days before expiry date. The user can close that warning message manually. After expiry with out any extension, user will not be able to access his account. But still the data will be on our server for 30 days and there will be an error pop up message showing to extend his contract and the data exists on our server for 30 days.~~

Extension automatic, otherwise mention to cancel!

For Enterprise: **whom should we show warning and error messages? - only admin or all users and admin both?**

- All messages must be on screen for at least 30 sec.
- If the Admin adds a new user:

The screenshot shows the 'Add New User' form in the EINO Users management interface. The form includes input fields for Name, Email, Mobile, Location, and Tags. Below these fields is a 'Status' section with radio buttons for 'Active' (selected) and 'Deactive'. The interface also features a sidebar with navigation options like 'Users', 'New User', and 'Add Users (Bulk)'. The top right corner shows the user profile 'Jannis Frohman @ ABCDCompany'.

The new user will be under all users of the company admin account as follows:

The screenshot shows the 'Users' list in the EINO Users management interface. The table displays the following data:

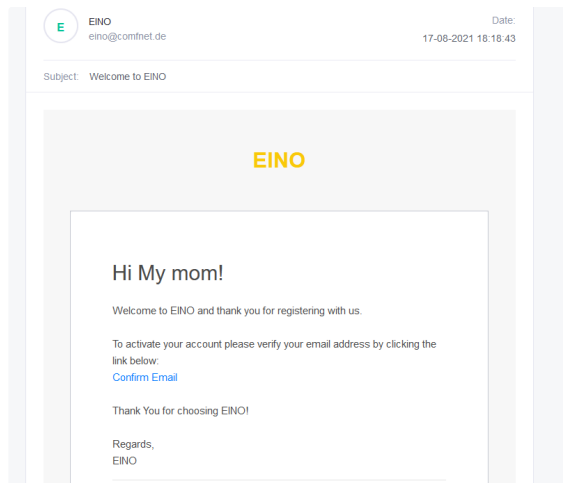
Name	Email	Mobile	Location	Tags	Status	Action
Jannis Frohman	vedvid359@fada55.com	1764545453	Stuttgartstr 186		Active	Edit Delete
My mom	d@gnj59506@cytsl.com	1547698432	Stuttgart	einomom	Active	Edit Delete

The interface also includes a search bar, a 'Show 10 entries' dropdown, and a pagination bar at the bottom indicating 'Showing 1 to 2 of 2 entries'.

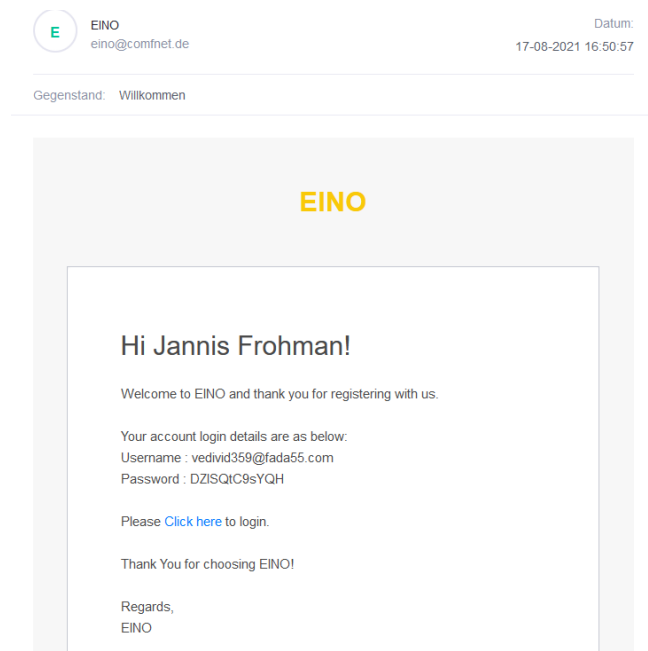
The newly added user will get message in a fashion as EINO Me/EINO My Business admin gets from sadmin after addition. However, the text of the message is different here for both.

- In all kinds of first-time login messages:
- **Internationalization** - There must be a proper email text in proper country languages.
- There must be a proper link generated "[Click Here](#)" – ex. EINO Me or Enterprise

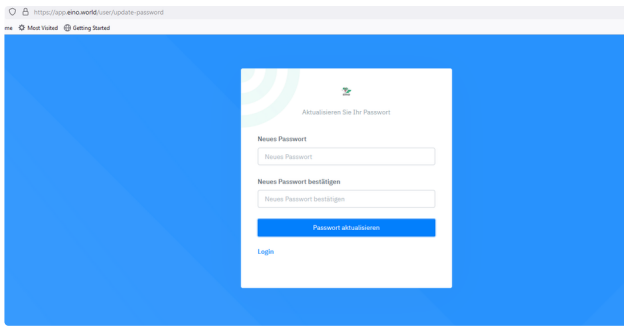
- The offered link should be valid only for 7 days.
- Before expiry, there must be a reminder to activate the link 2 days before and one day before.
- Immediate, after clicking the link:
 - They must get a message to confirm their email address by clicking the link.



After confirmation, the Admin added by sadmin or the user added by the admin will get their first-time login credentials.



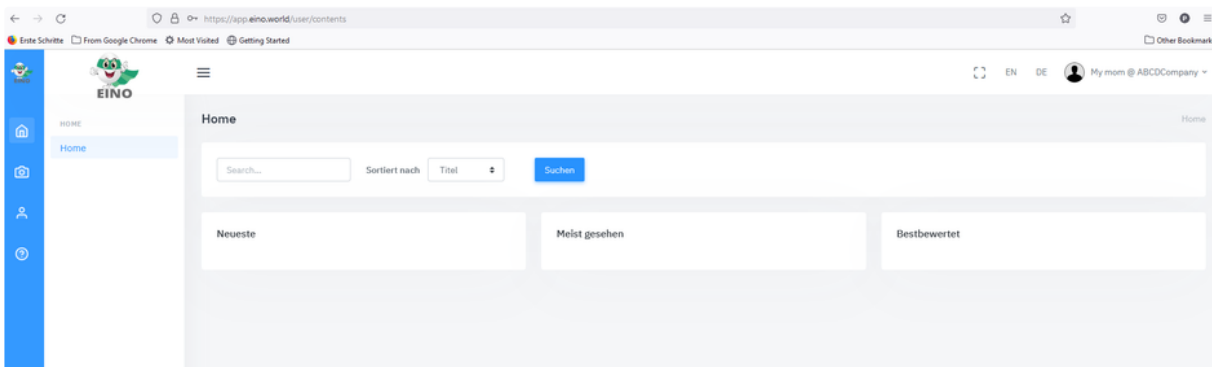
The Admin or the user should be able to set a new password immediately.



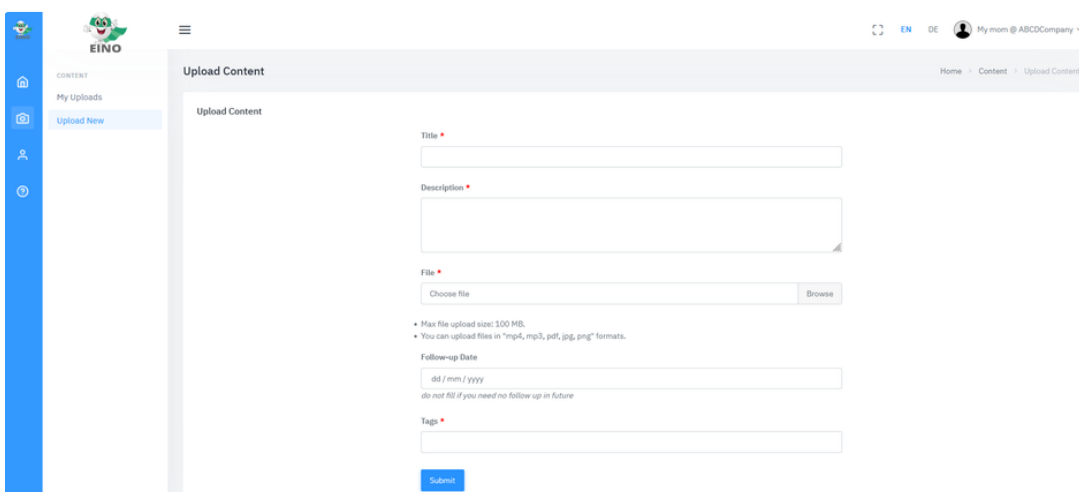
All dropdown messages must be in the dashboard languages. DE or EN

USER Workflow:

- User has not all the rights, as admin has.
- A user is responsible only for his dashboard and his data.

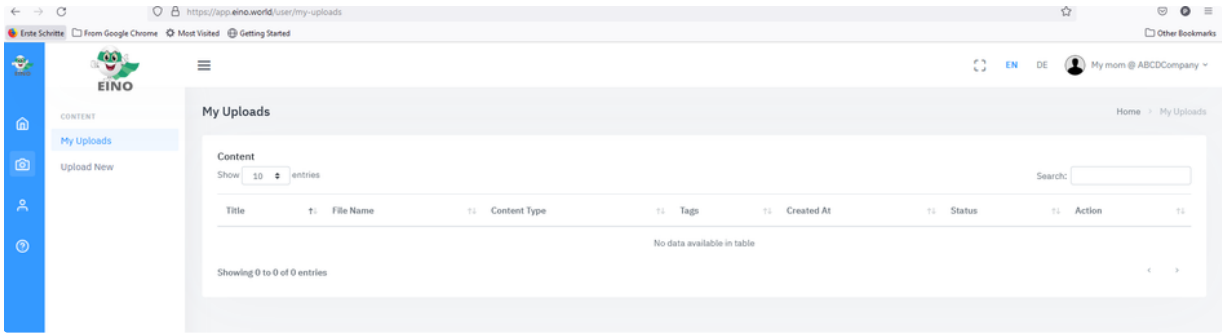


He can upload a new data, by using any method provided by EINO data upload dashboard:



Or by Mobile app (Soho Example:) need screenshot of the app?

The uploaded data will be seen under his dashboard, where he can also see the status of the data- Approved, declined, waiting for approval from admin, etc.



Architecture

Technical Stack

Road Map

<u>Milestone</u>	<u>Description</u>	<u>Start Date</u>	<u>Owner</u>	<u>EndDate</u>	<u>Status</u>	<u>Comments</u>
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EPICS/User Story

