

Product Spec: Public sharing of data

Introduction

Resources and Links

- [Figma Design File](#)
- [2022 Mathesar Product Design project ideas](#)

Context

Business Goals:

Allow all data types to be shared via a shared link, an email, and through embedding. Enable embedded datasets so Mathesar's work is visible on more websites.

User Goals:

- Be able to easily and intuitively share data with collaborators regardless of the familiarity with databases.
- Be able to provide context to datasets being shared.
- As the recipient, quickly understand the dataset and the permissions they have.

Specs

Feature Goals

- Allow Mathesar users to easily navigate to a page to select how they would like to share a specific dataset
- Enable Mathesar users to share data via three means: Embed Code, Email Invite, and Create Link

Requirements

#	Requirements	Notes
1. Global Feature Requirements		
1.1	Create "Share" button on database screen, when clicked will show "Share Data" window	

	Window defaults to “Embed Code” data path, but user can toggle between “Email Invite” and “Create Link”	
2. Embed Data Path		
2.1	Free text field that allows user to type in a description of the dataset that the user is looking to share	
2.2	Display Read-Only embed code	
2.3	“Copy” button allows user to copy the public embed code to their clipboard, once clicked, UI turns green with check mark to clearly show that copy was successful	
2.4	Show preview button in Embed Code, when clicked routes user to page that displays the data frame (filterable, sortable, and groupable)	
2.5	Error pathway: if database cannot be shared, display warning message with uncopyable link	
3. Invite Collaborator Path (email)		
3.1	Display text field that allows the user to insert email(s) they want to share the dataset with. Validation: This field should display an error if the email inputted is not a valid email format.	
3.2	Display free text field that allows the user to compose the body of the email	
3.3	Display free text field that allows user to add the email's Subject Line	
3.4	Enable Permission Settings for the email recipients via a drop down with three options: • Can view • Can edit • Can manage	
3.5	Send email to collaborators via email displaying subject line and body submitted by Mathesar user. Email displays prominent link that allows recipient to open the link in Mathesar	Recipients will be prompted to create a Mathesar account if they do not already have one
3.6	After user clicks “invite”, create banner UI that acknowledges that the email was sent successfully	

4. Create Link Path		
4.1	Free text field that allows user to type in a description of the dataset that the user is looking to share	
4.2	Enable Permission Settings for the email recipients via a drop down with three options: • Can view • Can edit • Can manage	
4.3	Field that allows the user to define an expiration date, which the link will be expired at 00:00 at the defined date Validation: when clicked, will display a calendar, will need to be a MM/DD/YYYY format This field is optional	
4.4	Field that allows the user to create a password to the dataset, which will password protect the data when a user clicks on the link This field is optional	
4.5	“Copy” button allows user to copy the link to their clipboard, once clicked, UI turns green with check mark to clearly show that copy was successful	