Liferay DEVCON

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Rebuilding the Devcon 2023 Call For Papers form using Content Pages & Objects

Leveraging low-code and no-code capabilities to unlock endless possibilities

Context

The way we implement solutions that help users interact with data is evolving to make it faster, richer, more simple and scalable.

Our Strategy

We're pushing hard on making it easier and faster to work on the different layers of business processes implementation, unlocking unlimited value and possibilities for our customers.

Composable approach:

- Objects as low-code entities management
- Headless API as 2-way communication
- Page Builder to enable rich, user friendly experiences to interact with those business processes.

That's great.
But how does it work?

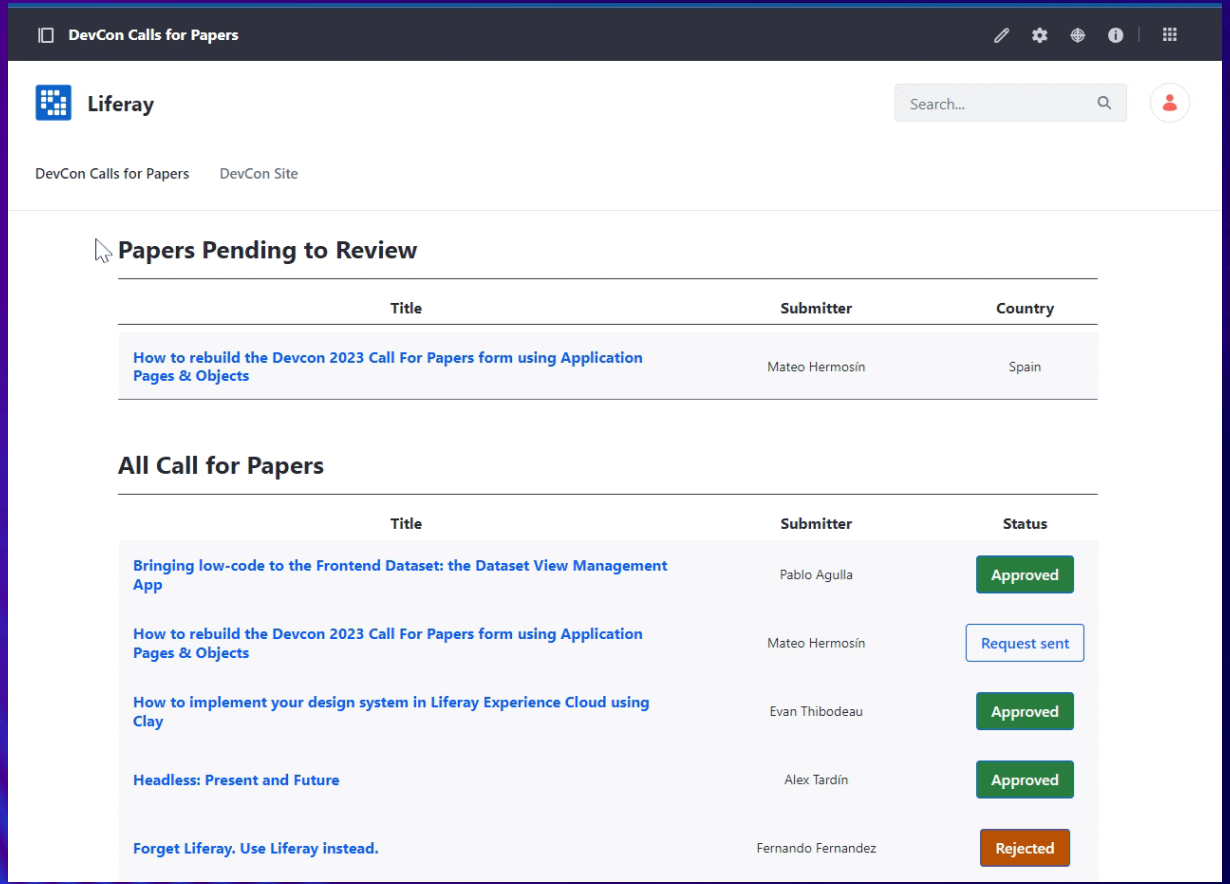
What do we want to build?

- Allow users to submit one or more Call for Papers in our DevCon website.
- Call for Papers have statuses to better control requests process.
- We want to provide users with a richer experience, helping them get ideas by showing them a list of the latest DXP features released in the same submission page.
- As well, we want to provide users with travel guidance to Porto to better prepare their travel.
- Admin users will be able to:
  - Review all submitted Call for Papers
  - interact with the Paper submitters
  - Accept/reject them.

Done!

Liferay DEVCON
DEVCON 2023
CALL FOR PAPERS
MY DEVCON PAPERS
23-25 MAY 2023
ALFÂNDEGA CONGRESS CENTER
PORTO, PORTUGAL
DEVCON 2023
The largest gathering of Liferay Developers across the world. Get ready to connect, learn and exchange information with your peers in the beautiful city of Porto.
SAVE YOUR SPOT!

Done!


DevCon Calls for Papers
Liferay
Search...
DevCon Calls for Papers
DevCon Site
Papers Pending to Review
Title
Submitter
Country
How to rebuild the Devcon 2023 Call For Papers form using Application Pages & Objects
Mateo Hermosín
Spain
All Call for Papers
Title
Submitter
Status
Bringing low-code to the Frontend Dataset: the Dataset View Management App
Pablo Agulla
Approved
How to rebuild the Devcon 2023 Call For Papers form using Application Pages & Objects
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Request sent
How to implement your design system in Liferay Experience Cloud using Clay
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Headless: Present and Future
Alex Tardín
Approved
Forget Liferay. Use Liferay instead.
Fernando Fernandez
Rejected

How????

No-code!!!

How?

Business Layer

Data Modelling - Objects

Actions

Validations

Status Flow

Permissions

Experience Layer

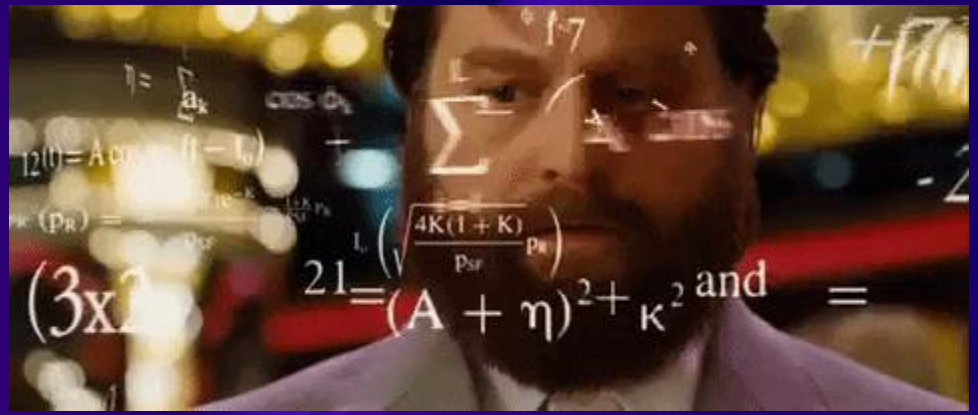
Content Pages

Form Container

Form Fragments

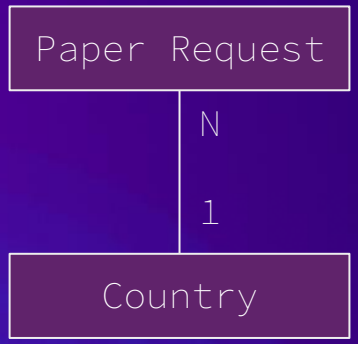
Collection Displays

Business layer



Step 1 - Business Layer (1)

Data Modelling - Objects



For each Country, we will provide “Travel to Porto” information available for the user.

Label	Type	Mandatory
Title	Text	Yes
Abstract	RichText	Yes
Presenter Name	Text	Yes
Presenter Bio	LongText	No
Topic	MultiselectPicklist	No
Paper Status	Picklist	Yes
Presenter Country	Relationship	No
Year	Picklist	No
Presenter email	Text	Yes

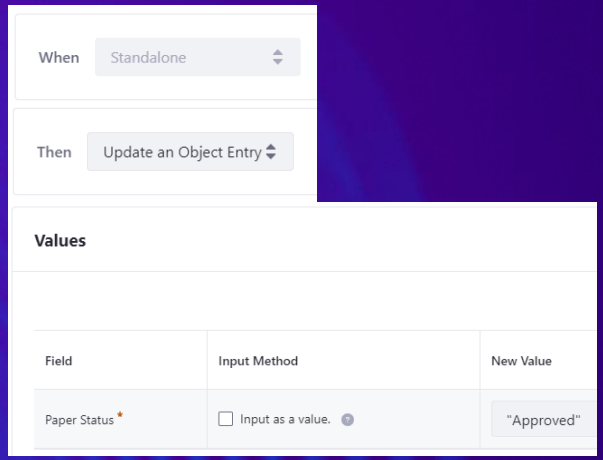
Picklists
- Topic: Objects, Low Code, Theming, Client Extensions, etc
- Request Status: Request sent, Approved, Rejected

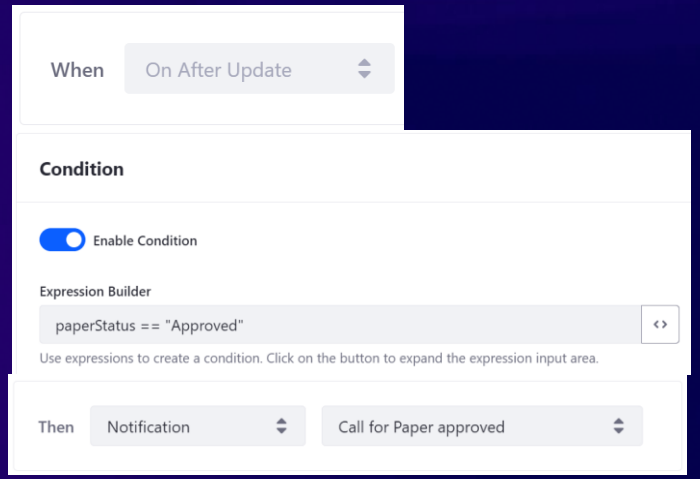
Country	Text
Travel Guide	Attachment
Passport	Text
Mask	Text

Step 1 - Business Layer (2)

Actions

Label	Description
Approval Action	Standalone action to trigger Call for Paper approval
Approval notification	Send an email every time a Paper Request is moved to Approved status
Rejection action	Standalone action to trigger Call for Paper rejection

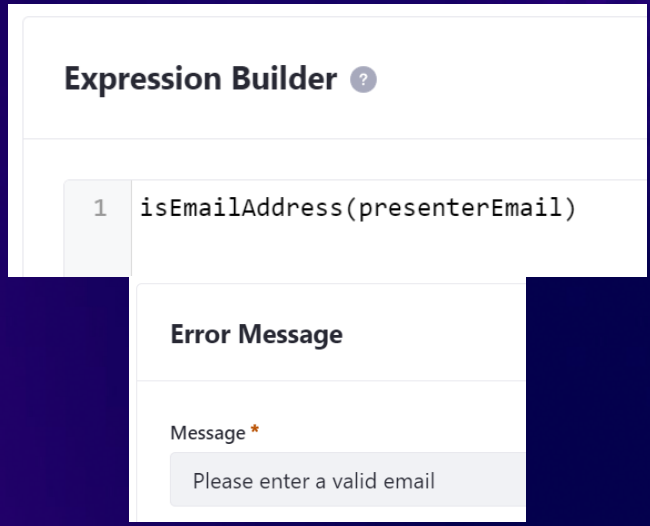




Step 1 - Business Layer (3)

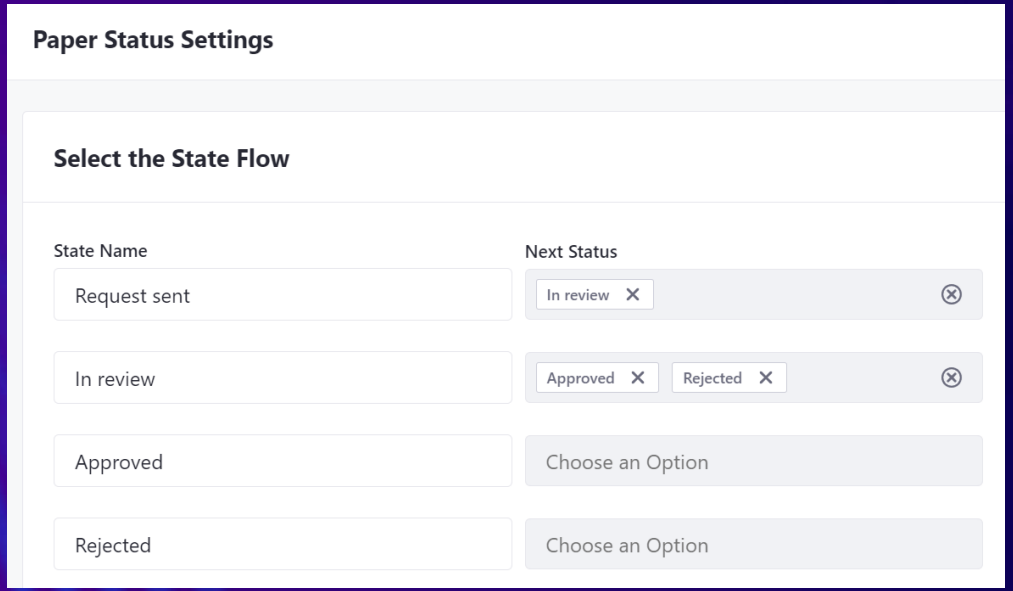
Validations

Label	Type
Email validation	Expression Builder



Step 1 - Business Layer (3)

Request Status Flow



Step 4 - Business Layer (4)

Permissions

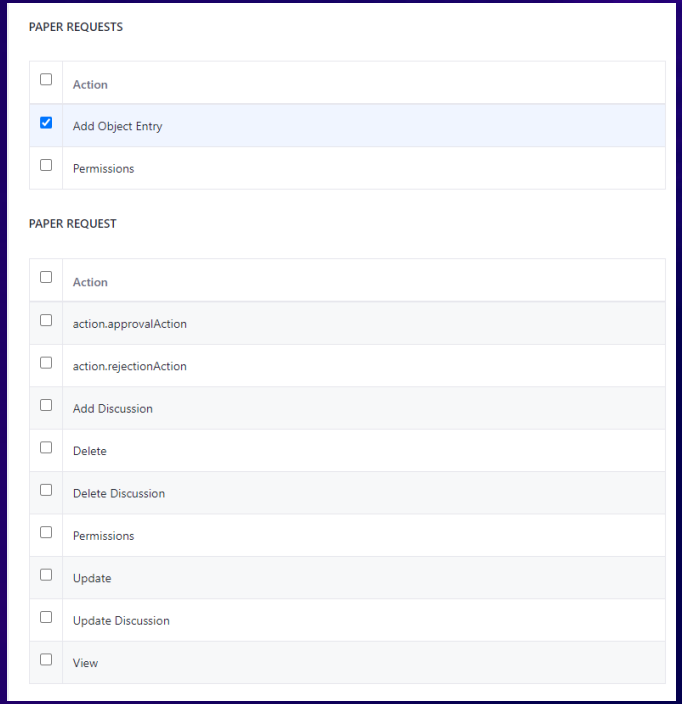
Attendee Role

- Can send Calls for Papers
- Can see ONLY the Calls for Papers submitted by himself.
- Can't change status

Organizer Role (backoffice)

- Can see ALL the Calls for Papers.
- Can change status

Key insight: Users creating an object entry, automatically get permissions over it individually.

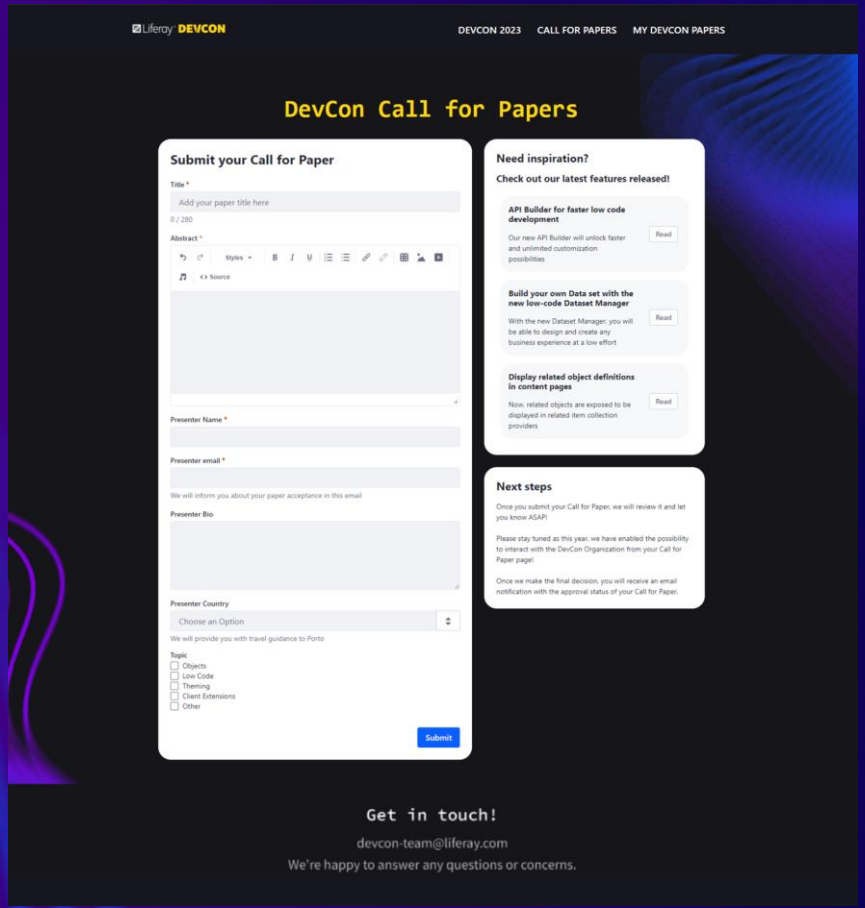


Experience layer

Step 2 - Presentation Layer

Experience

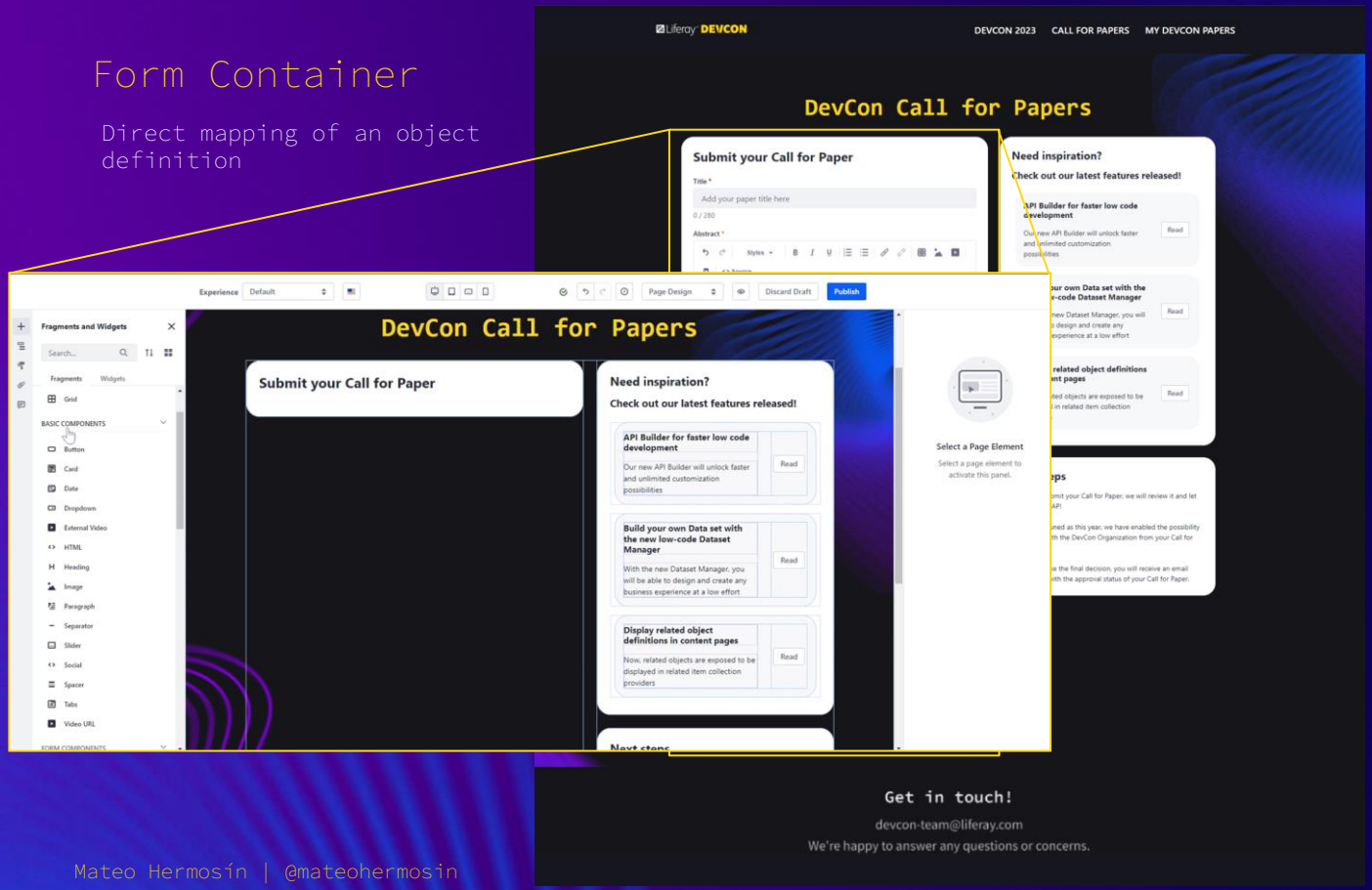
Content Pages!



Step 2 - Presentation Layer

Form Container

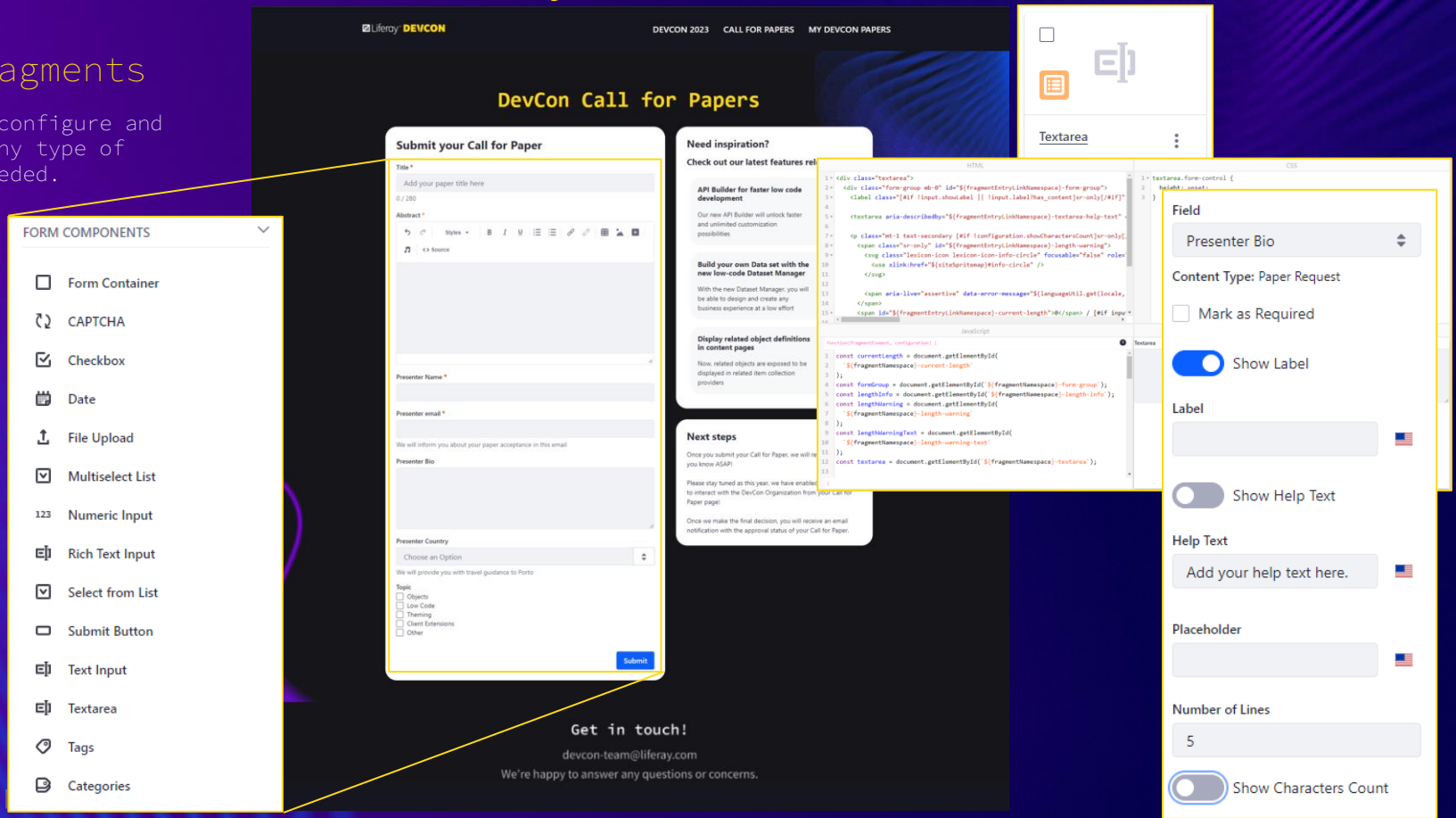
Direct mapping of an object definition



Step 2 - Presentation Layer

Form Fragments

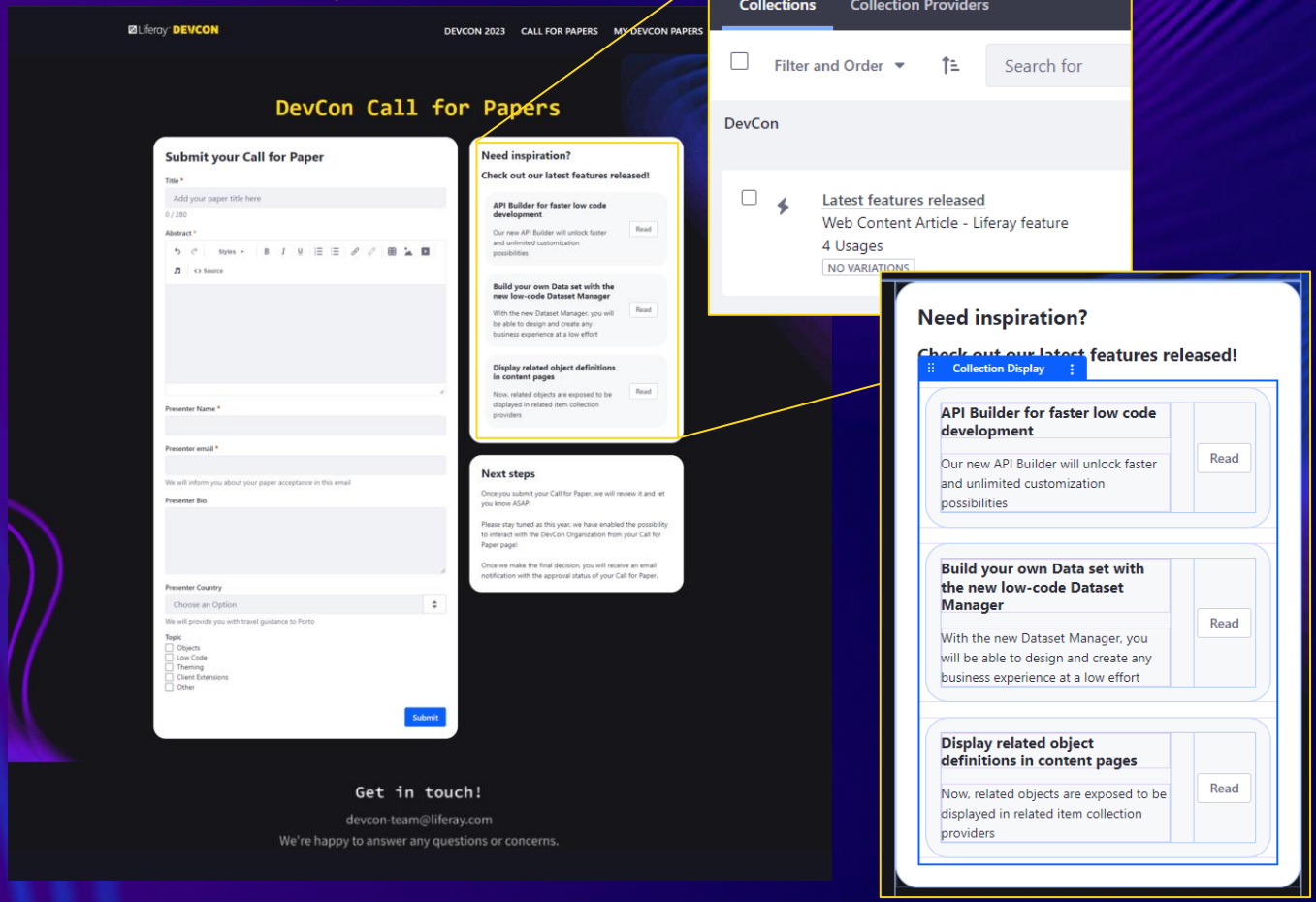
Customize, configure and implement any type of behavior needed.



Step 2 - Presentation Layer

Power of Content Pages

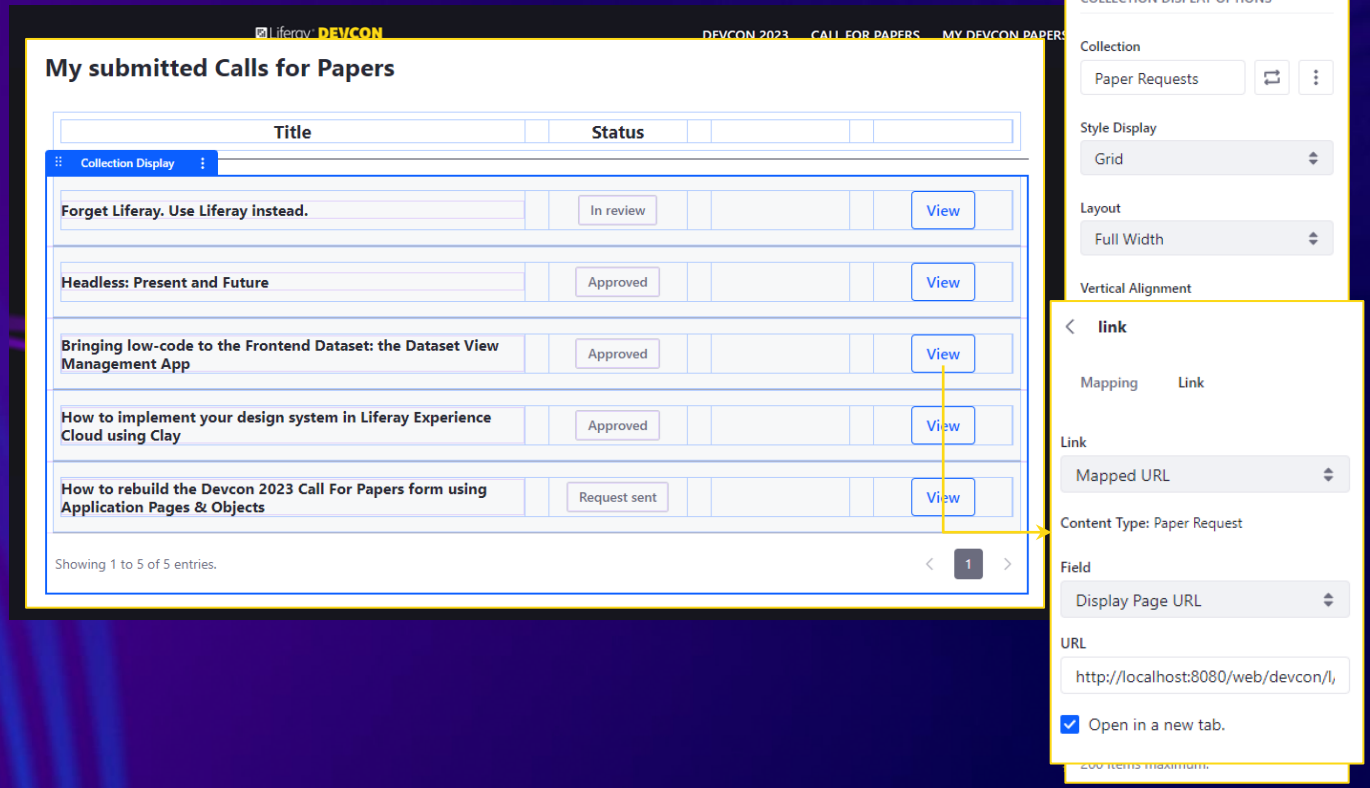
- Full customization of look & Feel
- Master pages, style books
- Experiences
- FriendlyURLS & SEO Management
- Additional content with Collection Display



Step 2 - Presentation Layer

Complete Experience

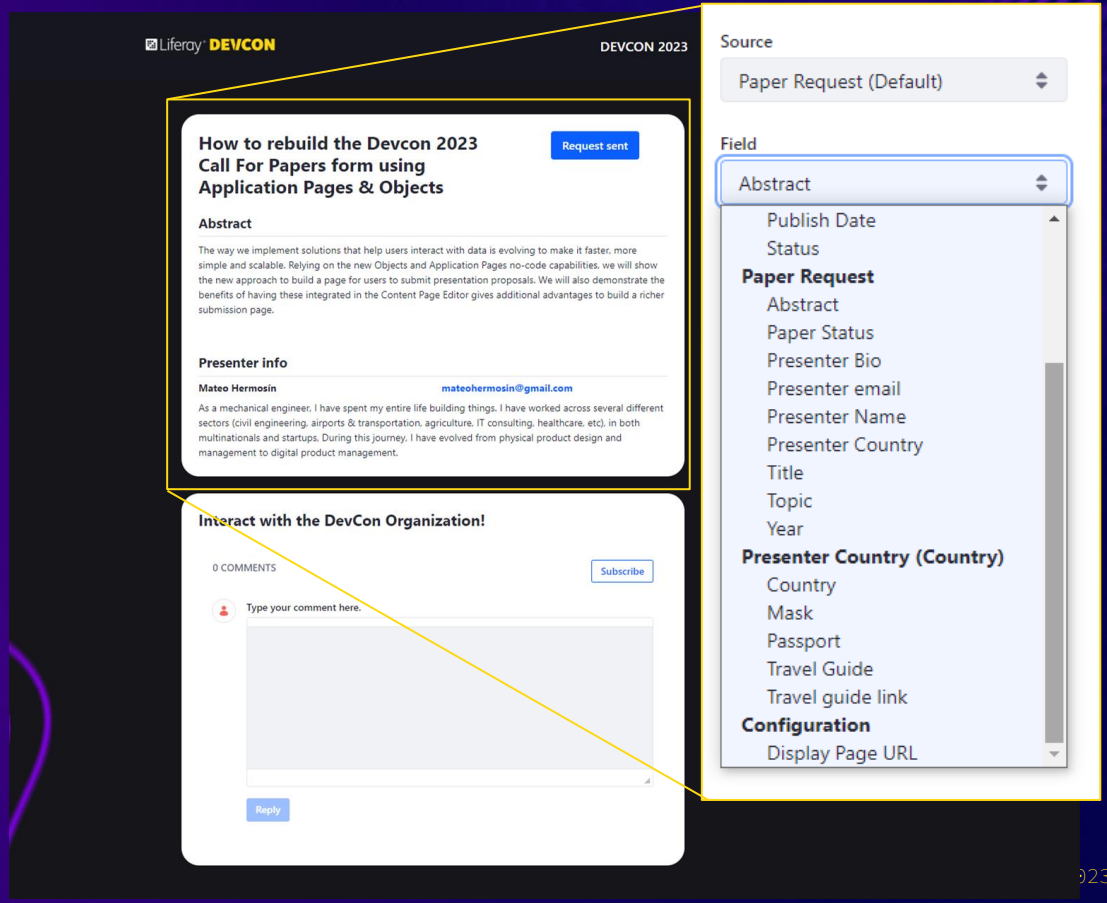
- Collection Display & fragments to list submitted Calls for Papers
- Display Page Templates to display the Call for Papers



Step 2 - Presentation Layer

Complete Experience

- Collection Display & fragments to list submitted Calls for Papers
- Display a Call for Paper with Display Page Templates
  - Map any object field
  - Also fields from related entities!

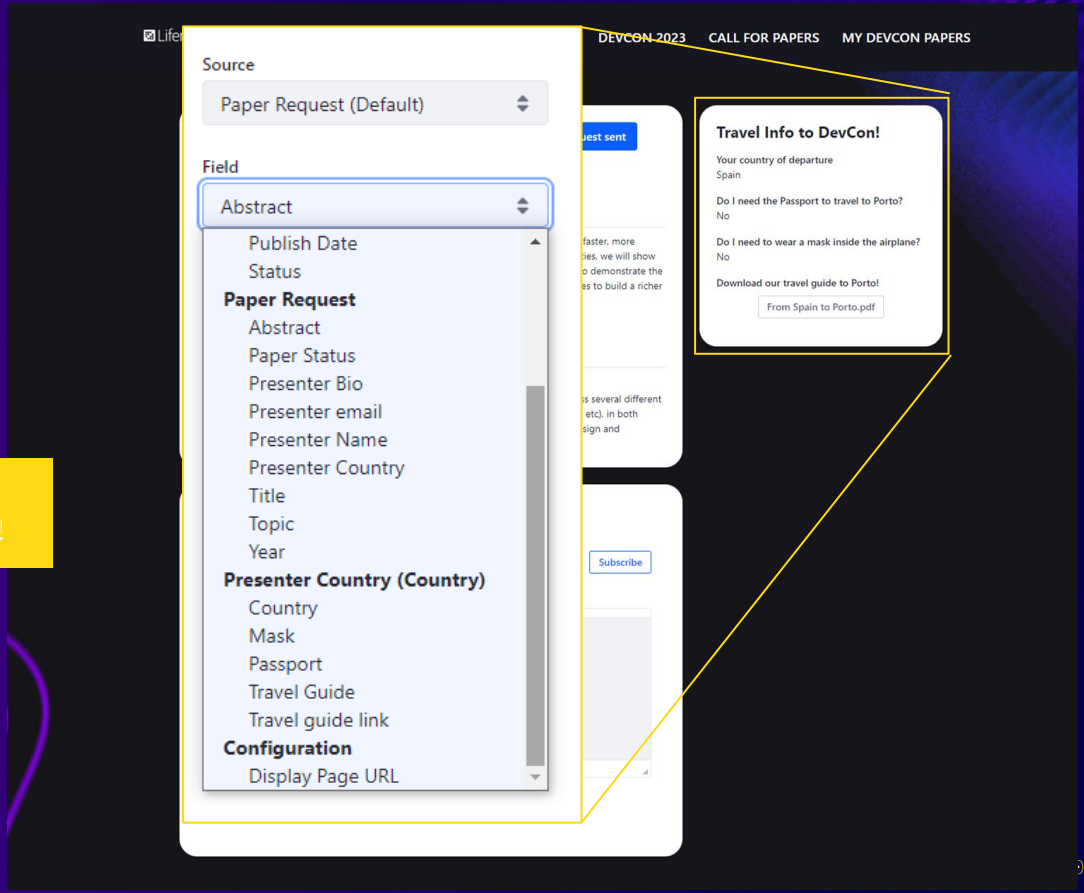


Step 2 - Presentation Layer

Complete Experience

- Collection Display & fragments to list submitted Calls for Papers
- Display a Call for Paper with Display Page Templates
  - Map any object field
  - Also fields from related entities!

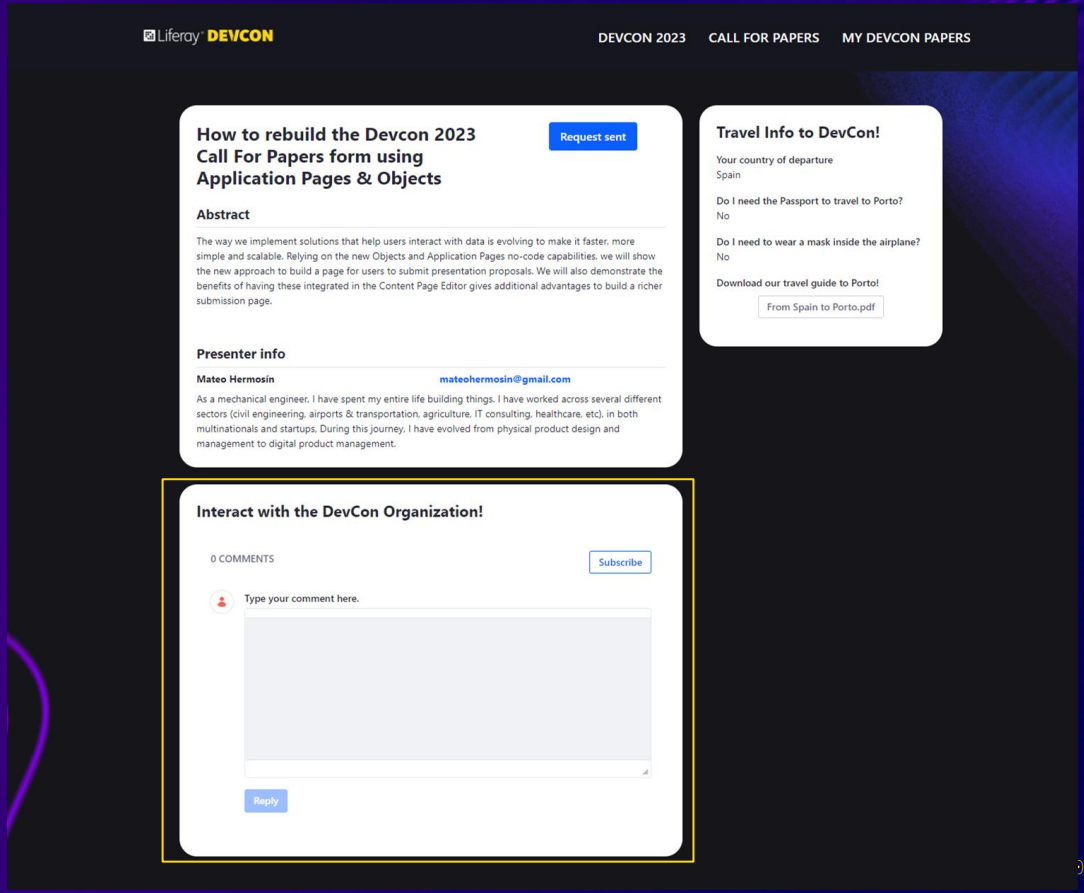
Released last week!



Step 2 - Presentation Layer

Complete Experience

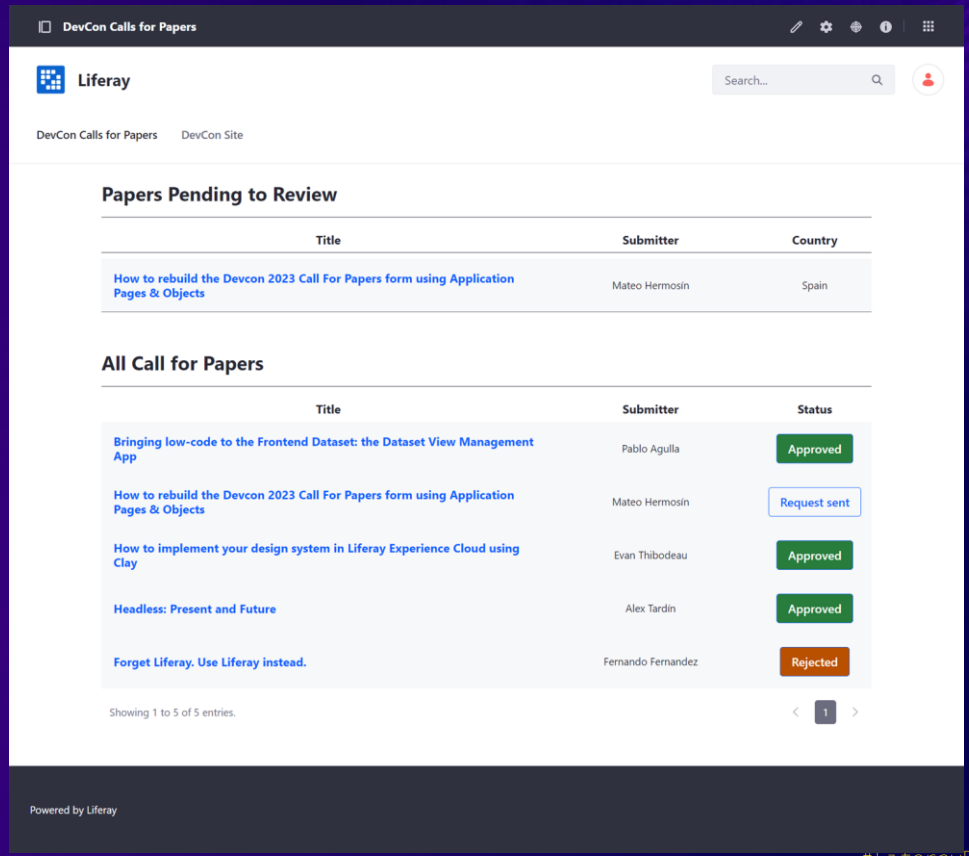
- Collection Display & fragments to list submitted Calls for Papers
- Display a Call for Paper with Display Page Templates
  - Map any object field
  - Also fields from related entities!
  - Compatible with Comments widget for better interaction.



Step 2 - Presentation Layer

Admin Experience

- Object created at instance level, admin experience centralized in a different site as “back office”.
- Organization role can see all received Calls for Papers and the details of each one
- Prefiltering by “approved” requests allow a better admin experience.

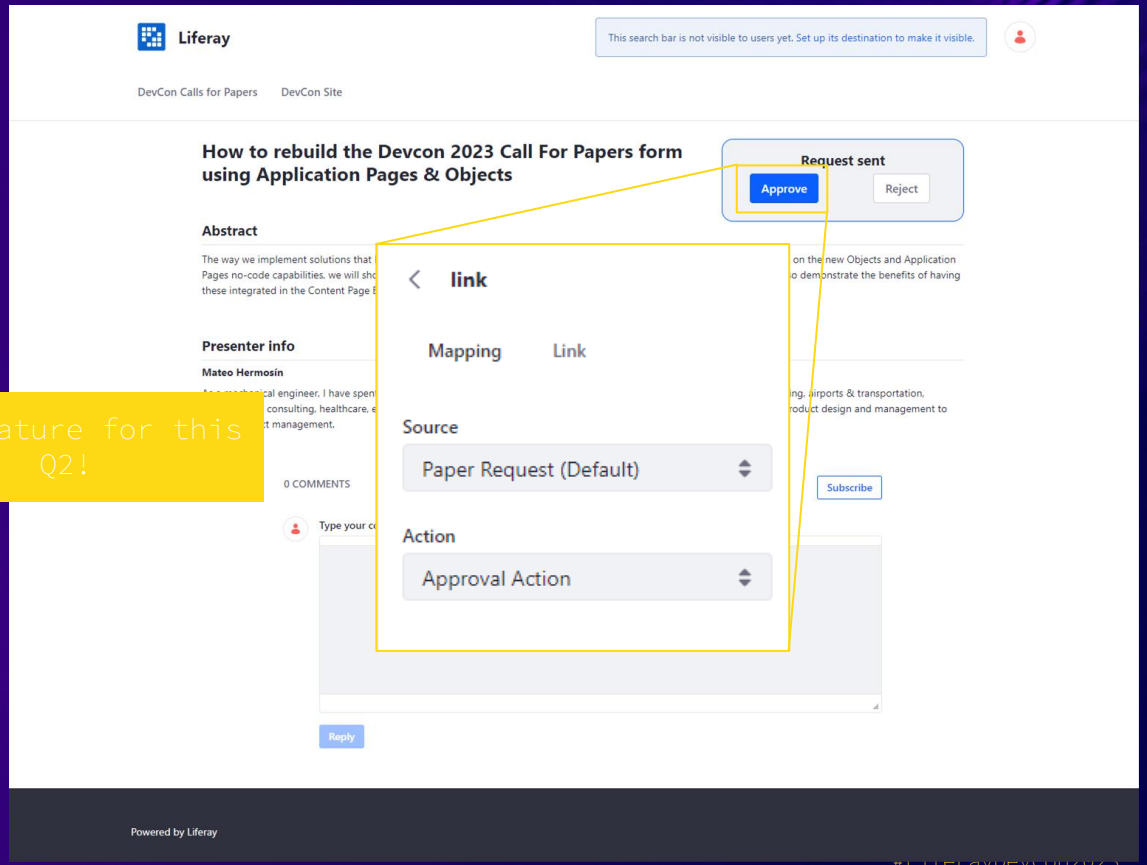


Step 2 - Presentation Layer

Admin Experience

- Object created at instance level, admin experience centralized in a different site as “back office”.
- Organization role can see all received Calls for Papers and the details of each one
- More complete display experience with additional actions

New feature for this Q2!



Key Takeaways

- We are working hard to improve business process experiences creation, to help cover a variety of B2B Solution use cases.
- Page Builder is evolving to provide more complex low-code functionality, going beyond mere content display.

What's coming?

Next Steps

- Actions triggering from fragments (this Quarter)
- Edit Object Entries (and related object entries) from Display Pages
- Integration with Datasets display
- Rules engine to implement dynamic behavior
- Out-of-the-box Multistep experience

Bonus track!

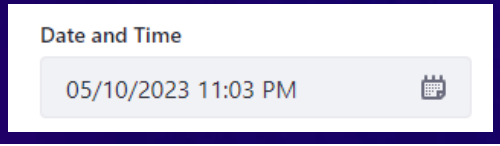
Small things to make your life easier

Now it's easy to format dates!

You can link to an email or telephone

More flexible layout configurations

Rename your Page Tree items

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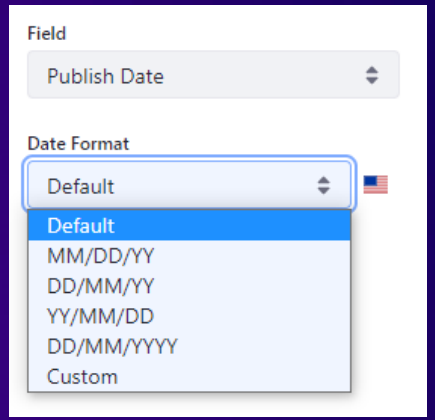

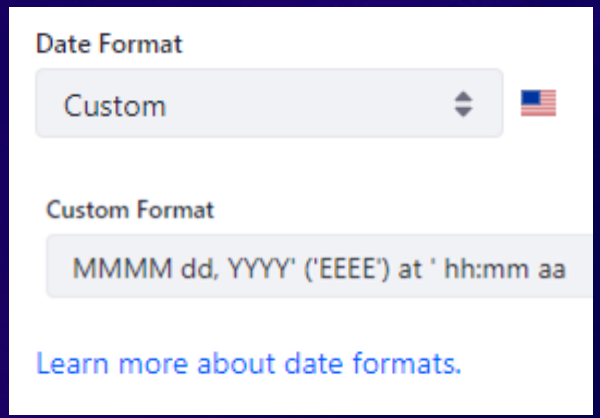

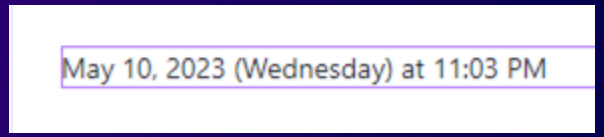

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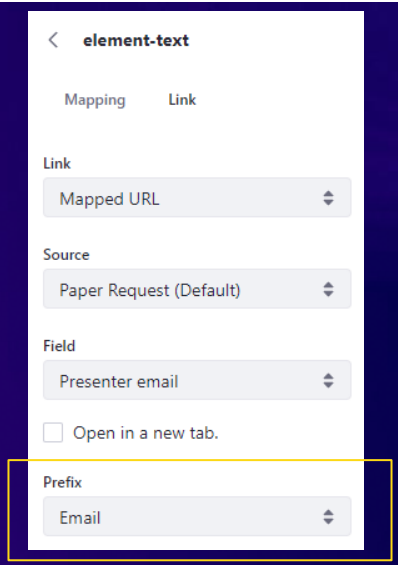

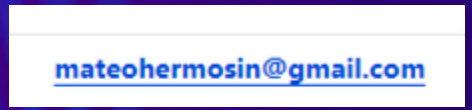

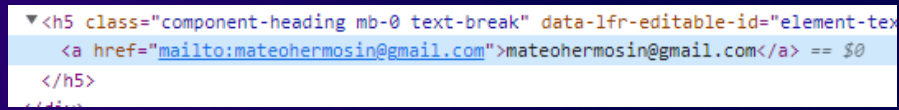

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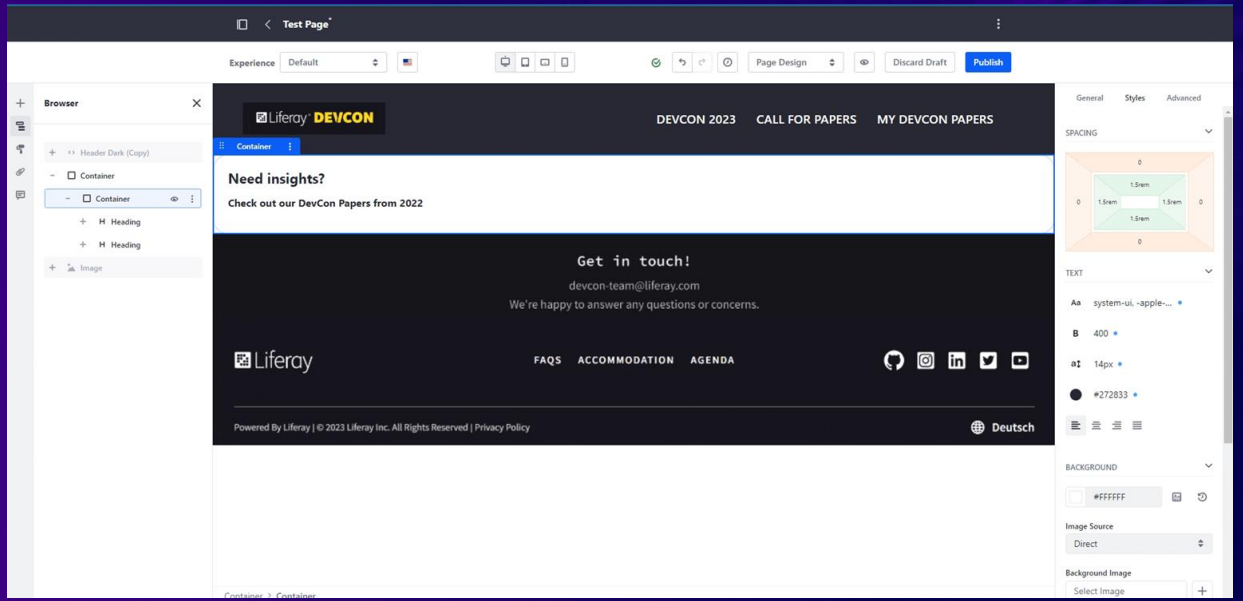

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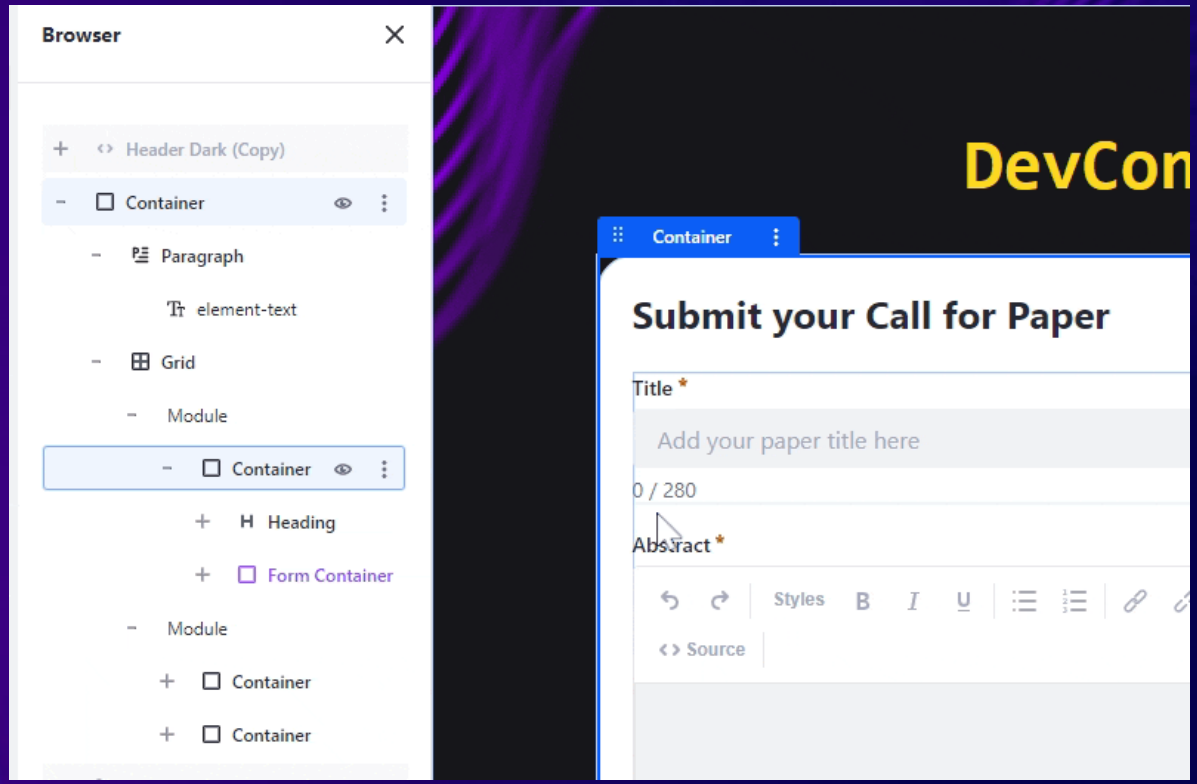

That was all!
See you next year

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