Welcome to the
Medium x Kintone Workshop!

Recording will be on YouTube

Download Code & Slides

https://bit.ly/kdp_to_medium

git clone the GitHub Repo

Get Your Kintone Subdomain

Developer License Registration Form

bit.ly/KDP_NEW

Asking Questions & Raising Hands

Post questions in the chat anytime!

Include your code & error messages.

$25 Gift Card Raffle at the End

Get Started

Let's setup our workshop's starting point!

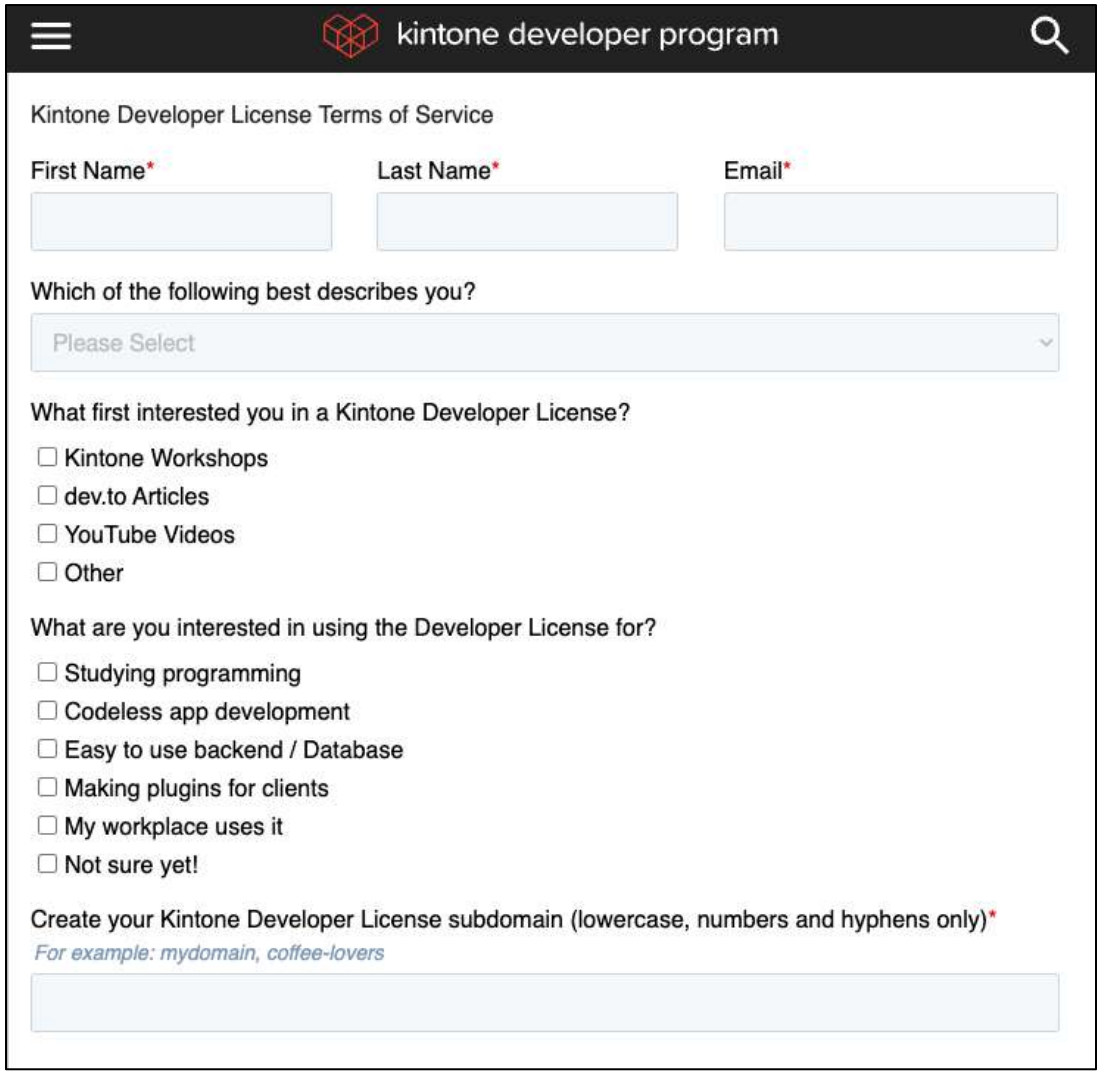
1. Download the sean-kintone/publish-to-medium Repo
2. Go inside the folder & install the dependencies!
3. Lastly, install @kintone/customize-uploader globally

Run these commands from your terminal

```
cd Downloads
git clone https://github.com/sean-kintone/publish-to-medium
cd publish-to-medium
npm install
npm install -g @kintone/customize-uploader
```

Get Your Kintone Subdomain

- ✅ Use Chrome or Firefox
  - ⚠️ NOT Safari
- ⚡ Accept Cookies First
- ⚡Only Use
  - lowercase [a-z]
  - numbers [0-9]
  - hyphens [-]
- ⚠️ No Special Characters
- Ex: weekend-hacker4life



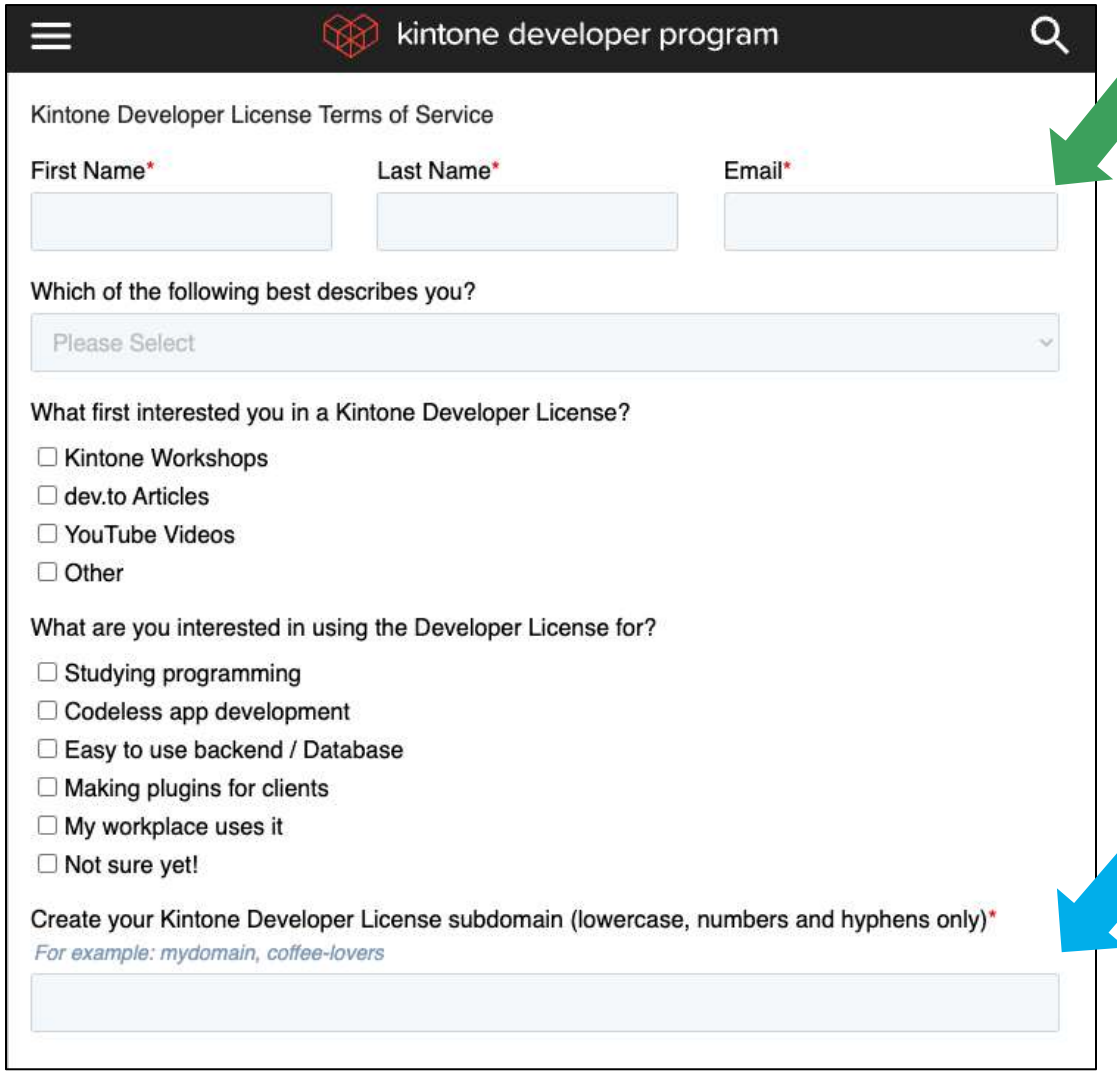
Get Your Kintone Subdomain

The login name is your email

Remember your subdomain!

Your Kintone's login link will be

YOUR_SUBDOMAIN.kintone.com



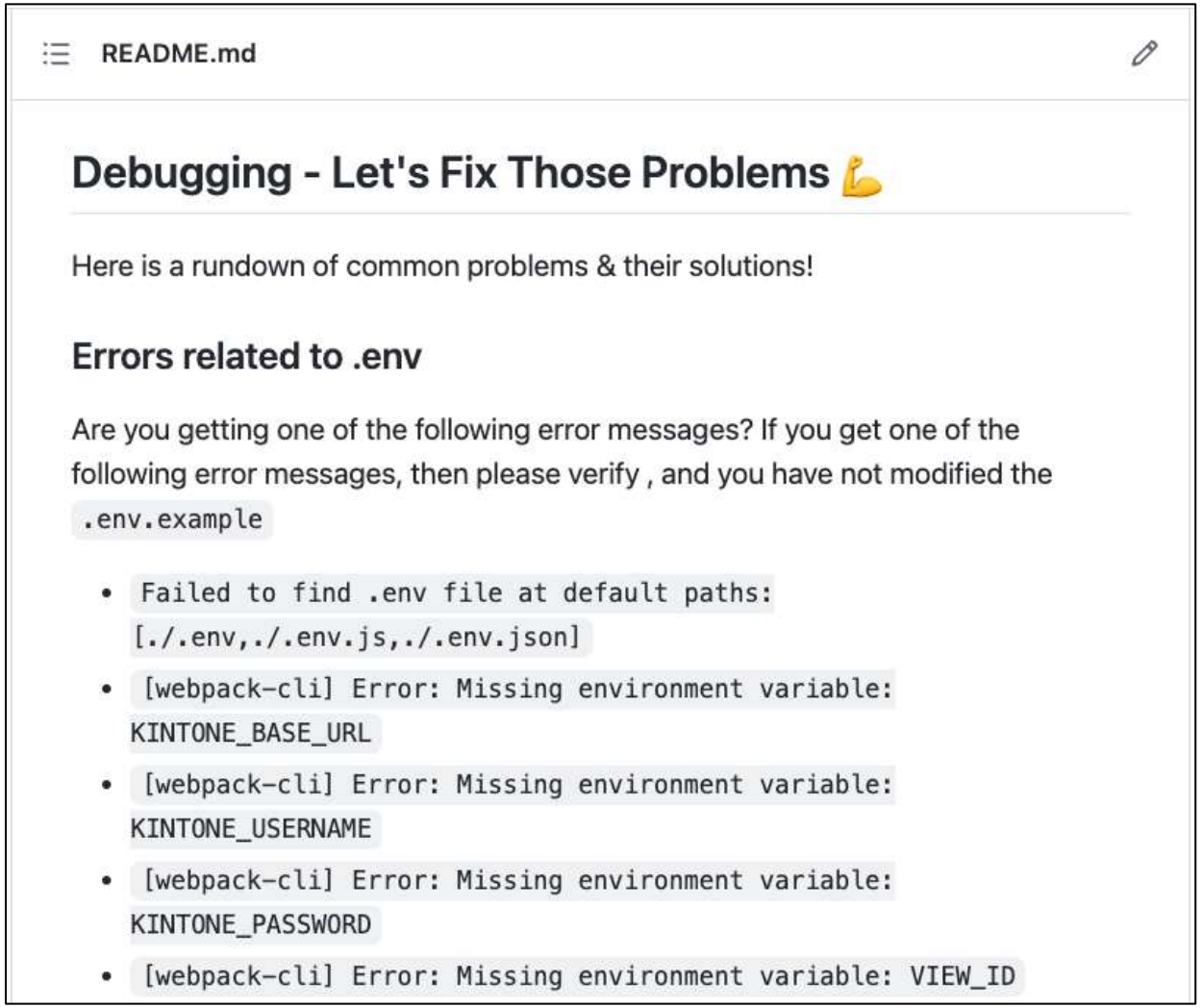
When You Need Help 💪

Resources:

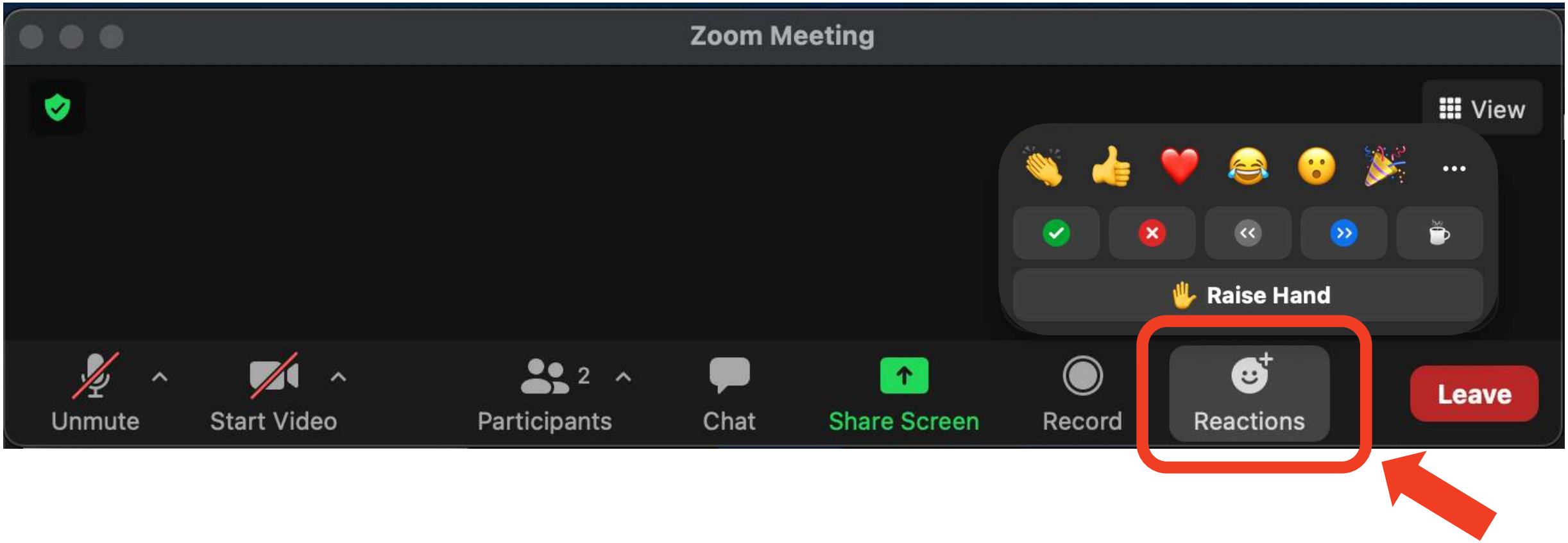
- README's Debugging section
- Posting questions in the chat

Post questions in the chat anytime!

Please include your code & error messages.



Let's Practice using Zoom's Reactions



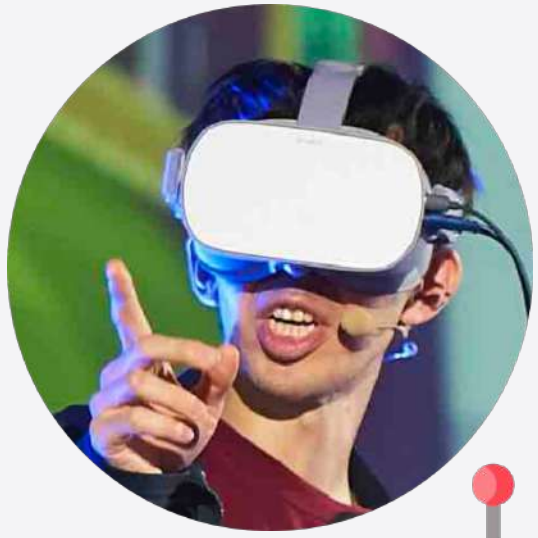
This helps us know who to look out for throughout this workshop.

Hello From Kintone

Nim

Genji

Will



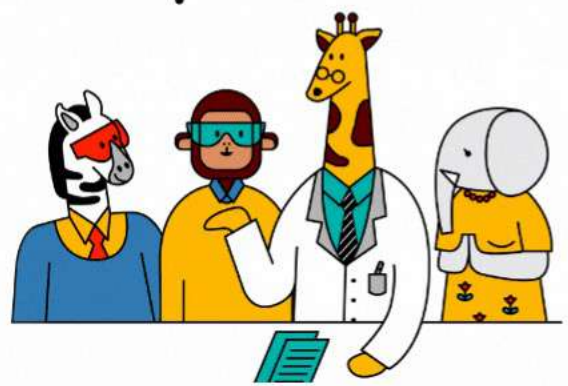
Medium

API Tutorial

Free Online Workshop

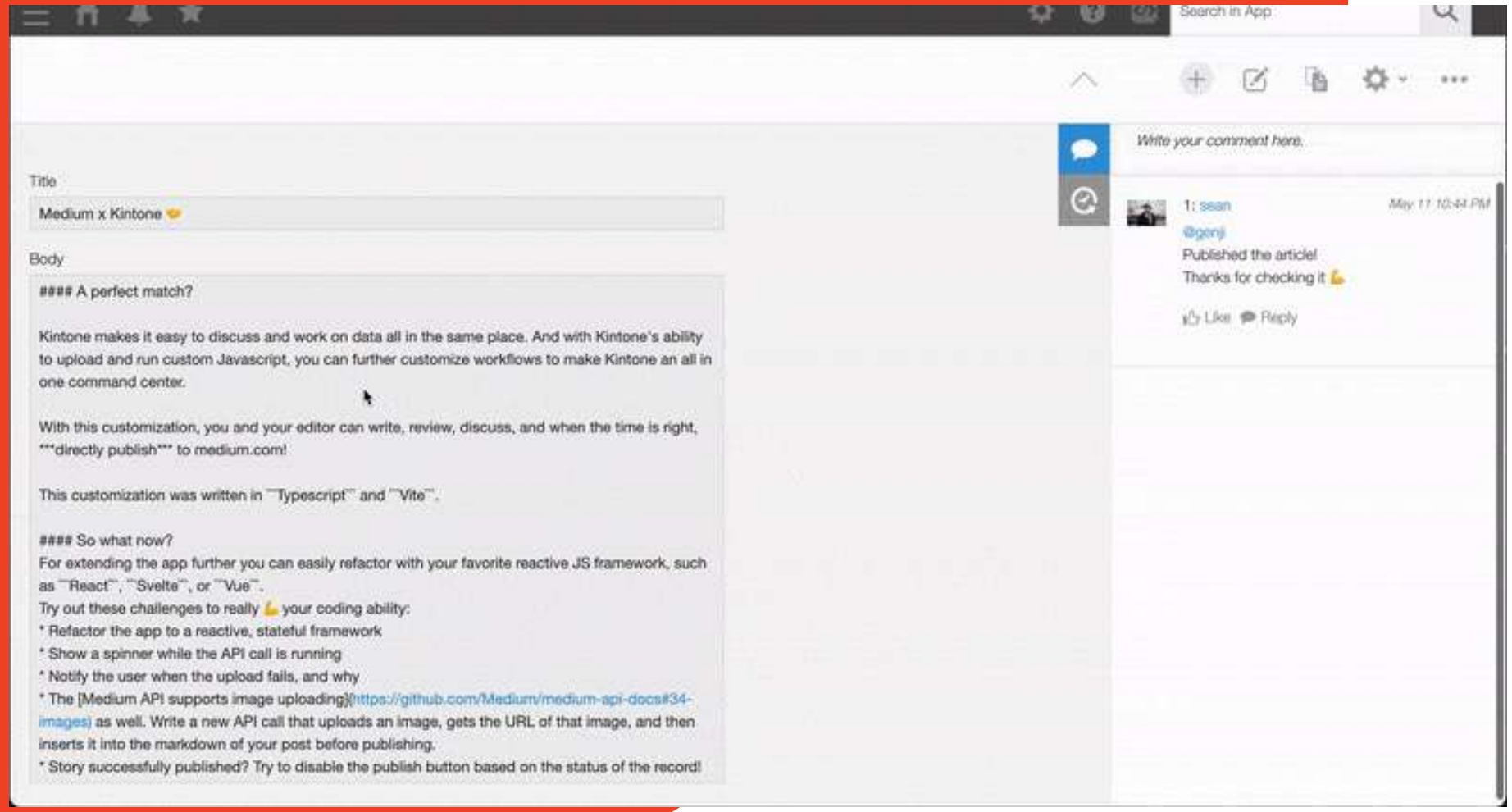
May 19th

@ 6pm PST



kintone

What We Will Make Today



Workshop Overview

Project Setup

Project Overview

Install Dependencies

Setup Accounts and Tokens

Create a Web Database

Get our medium.com account's API Token

Use the API token to get our medium.com Author ID

POST API Build

Format API Data

Create a button on your Kintone App

Connect the button and publish!

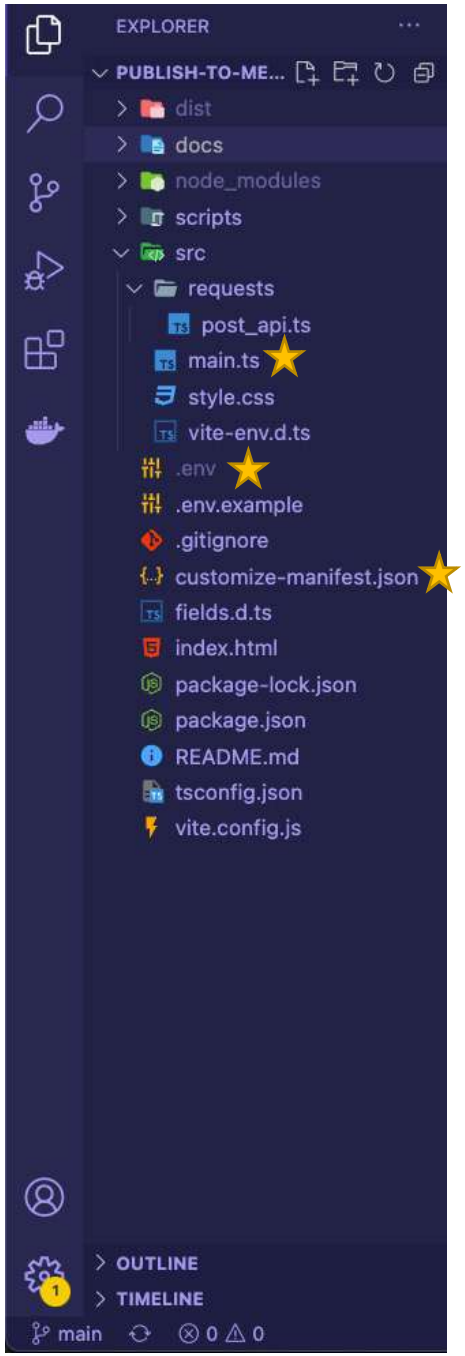
Git Clone the Repo

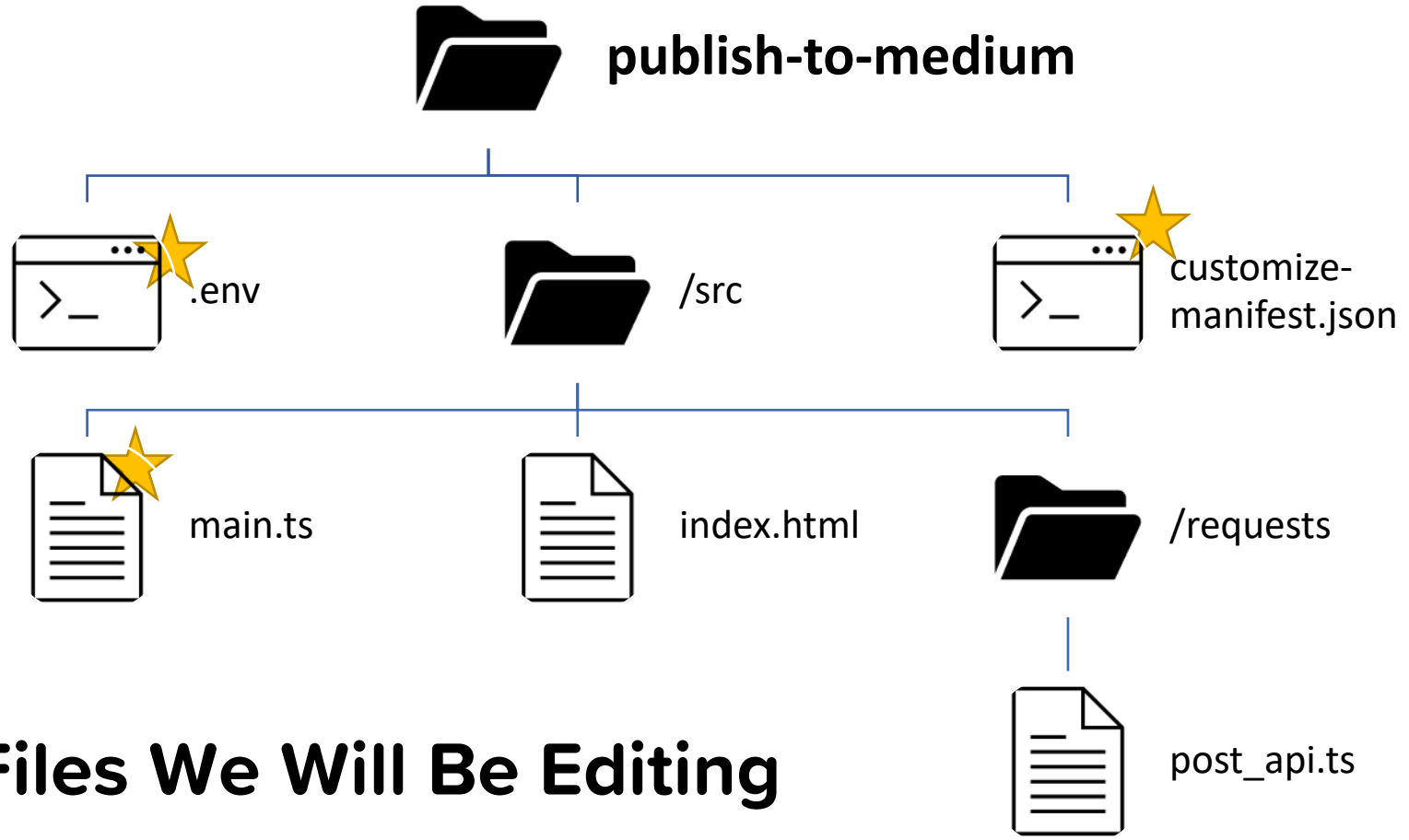
First, let's clone the sean-kintone/publish-to-medium repo and go inside the folder.
Once you are inside the folder, let's install the dependencies!

1. git clone https://github.com/sean-kintone/publish-to-medium
2. cd publish-to-medium
3. npm install
4. npm install -g @kintone/customize-uploader

Run these commands from your terminal

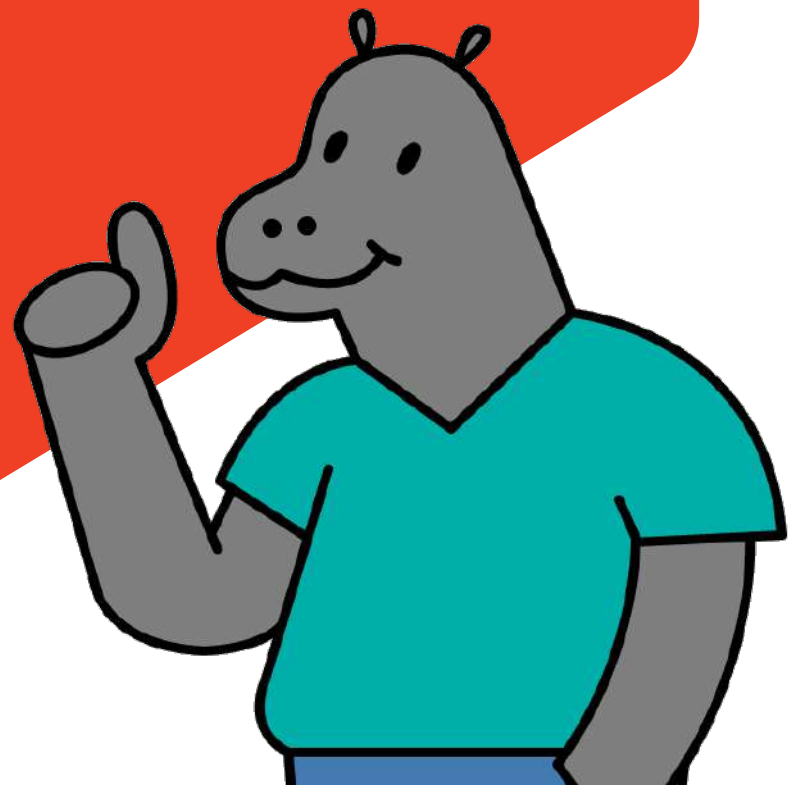
Overview of the Repo





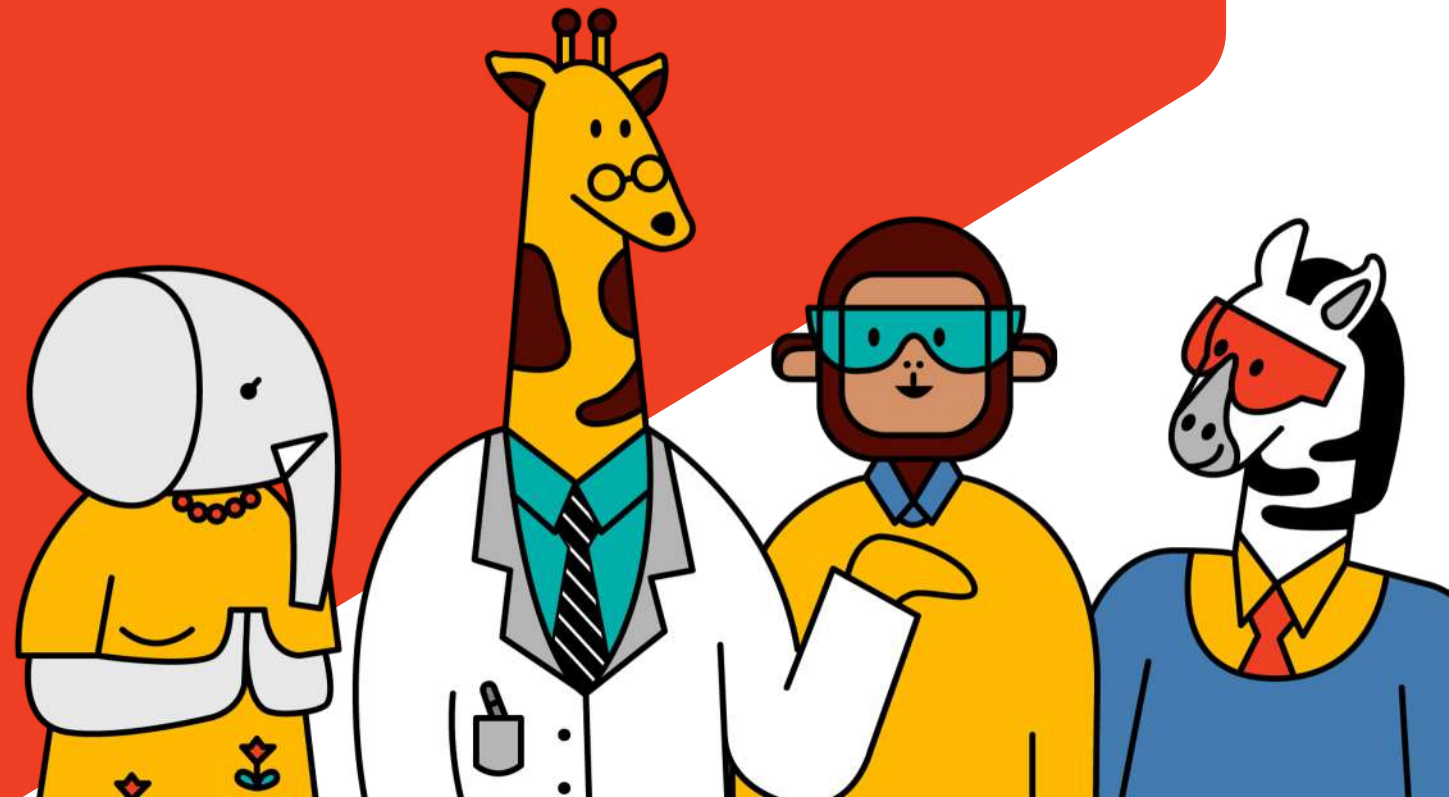
Files We Will Be Editing

Quick check-in with Zoom polling



What is Kintone?

Built for teamwork,
designed by you

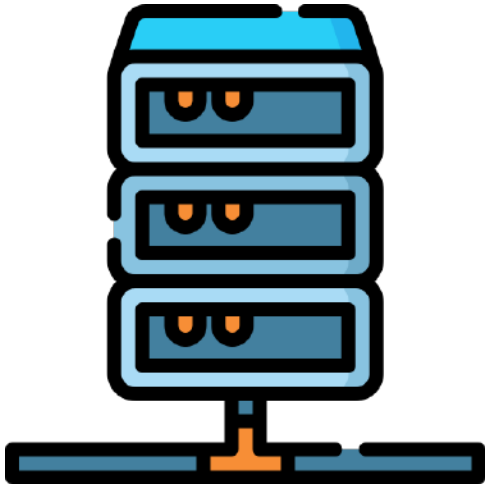


What is Kintone?

Kintone is a **no-code / low-code** cloud platform for teams to easily share and **collaborate** on their **data** efficiently.

Where Kintone is Special!

kintone

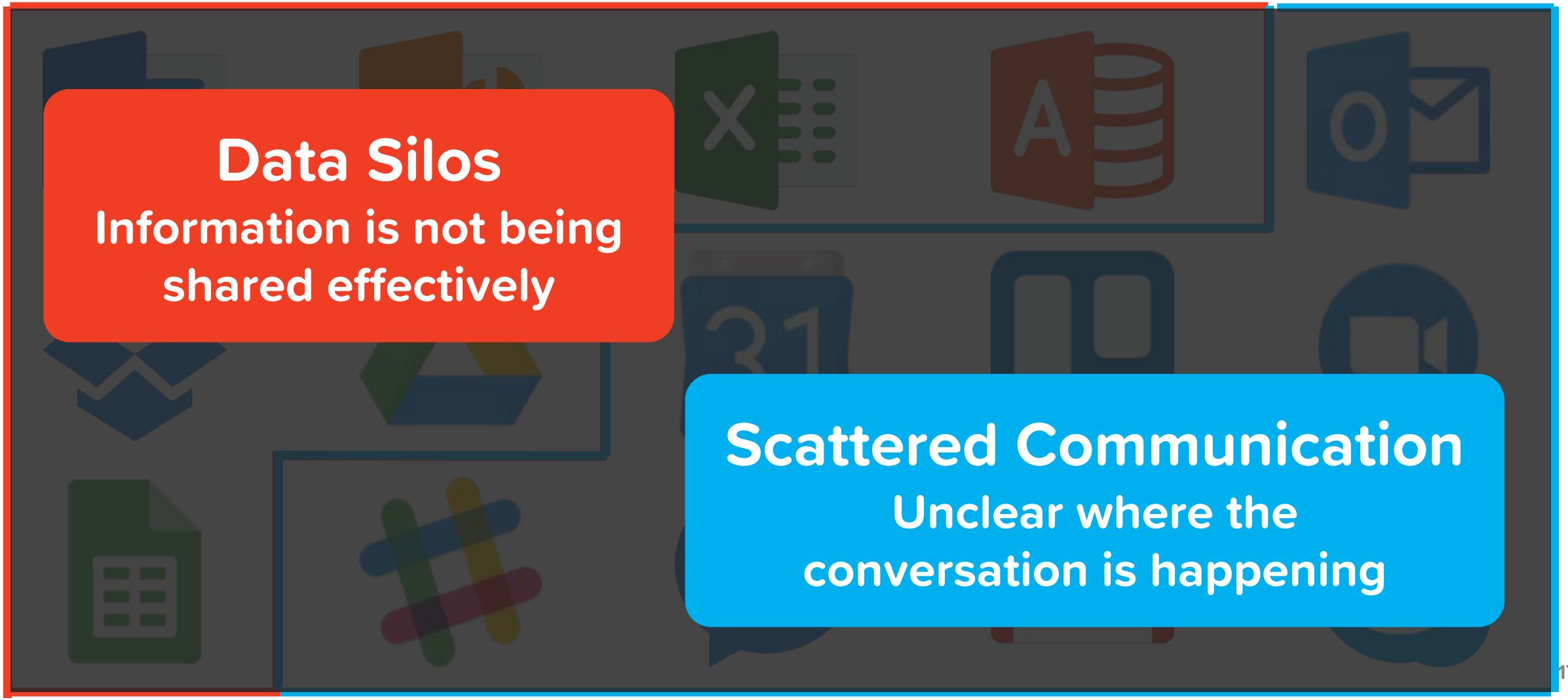


Data & the conversations about the data are all in one place

Big Picture

Where did that message go?

Missing - Unified Communication



Data Silos

Information is not being shared effectively

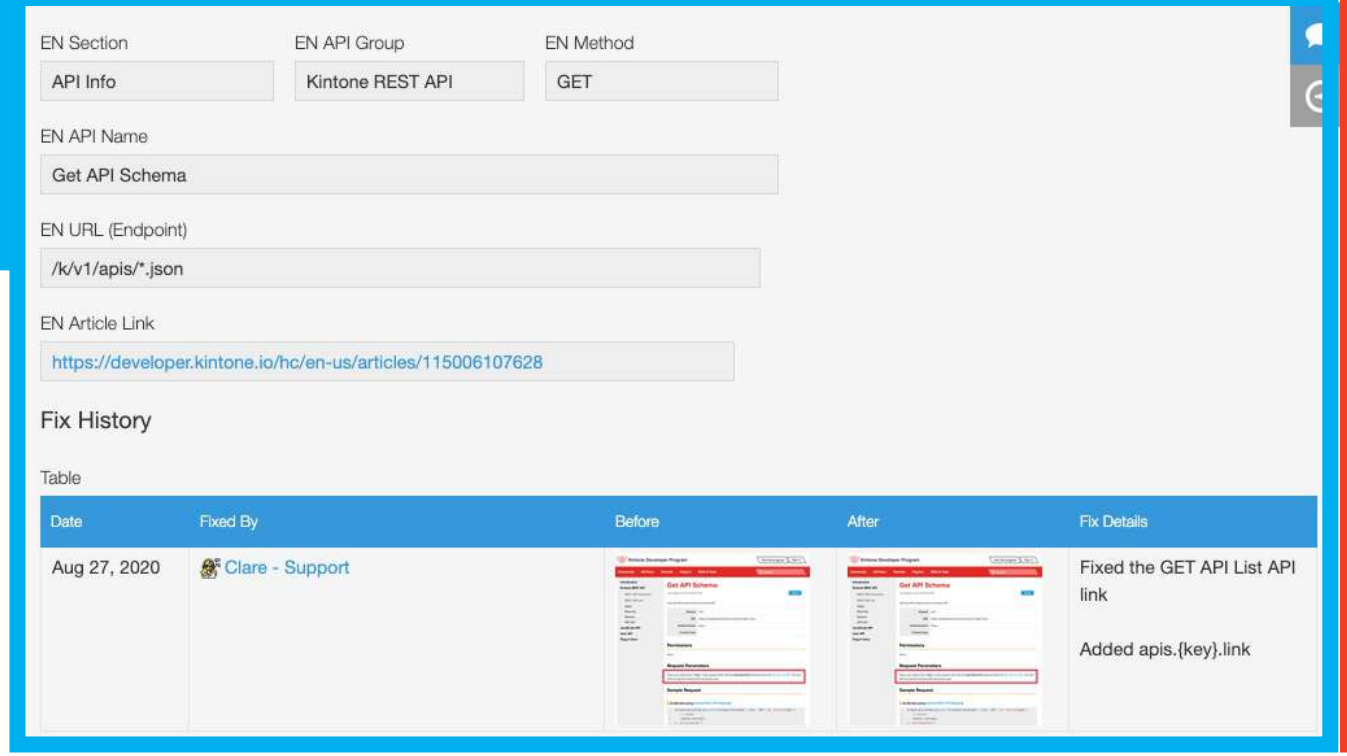
Scattered Communication

Unclear where the conversation is happening

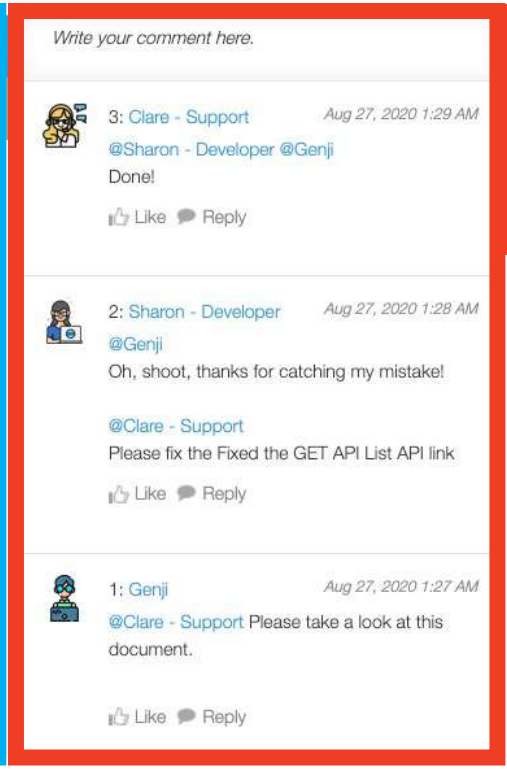
What is Possible?

Remove the Friction
Keep the conversation where the data lives

Where Data Lives

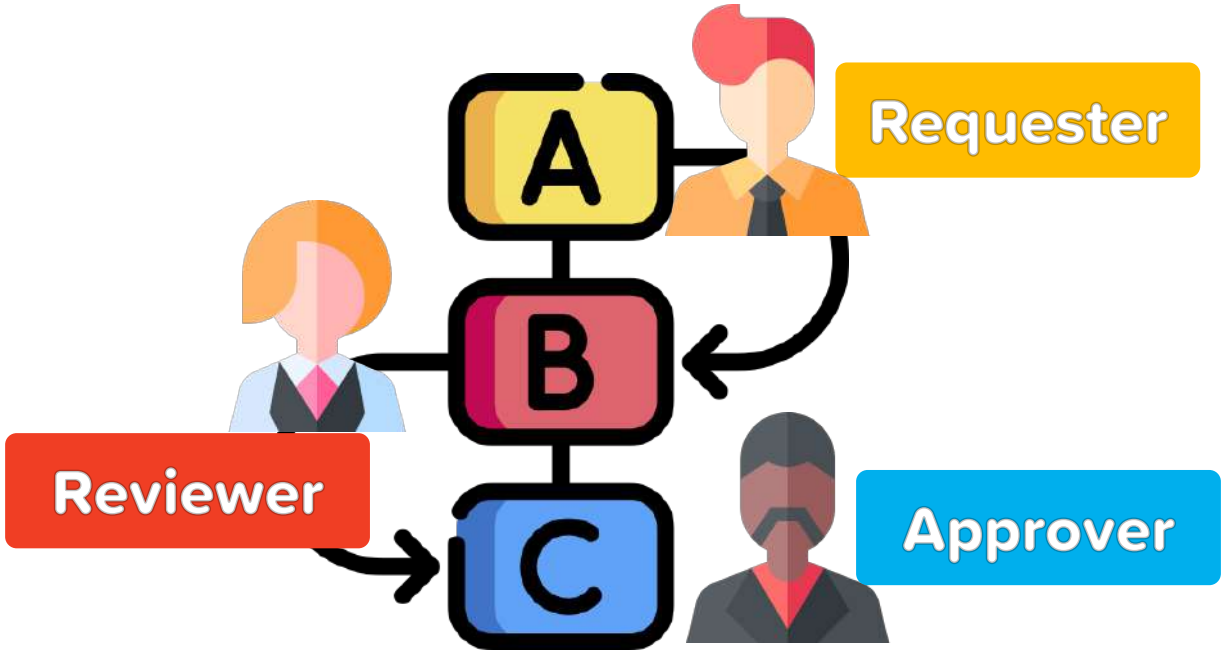


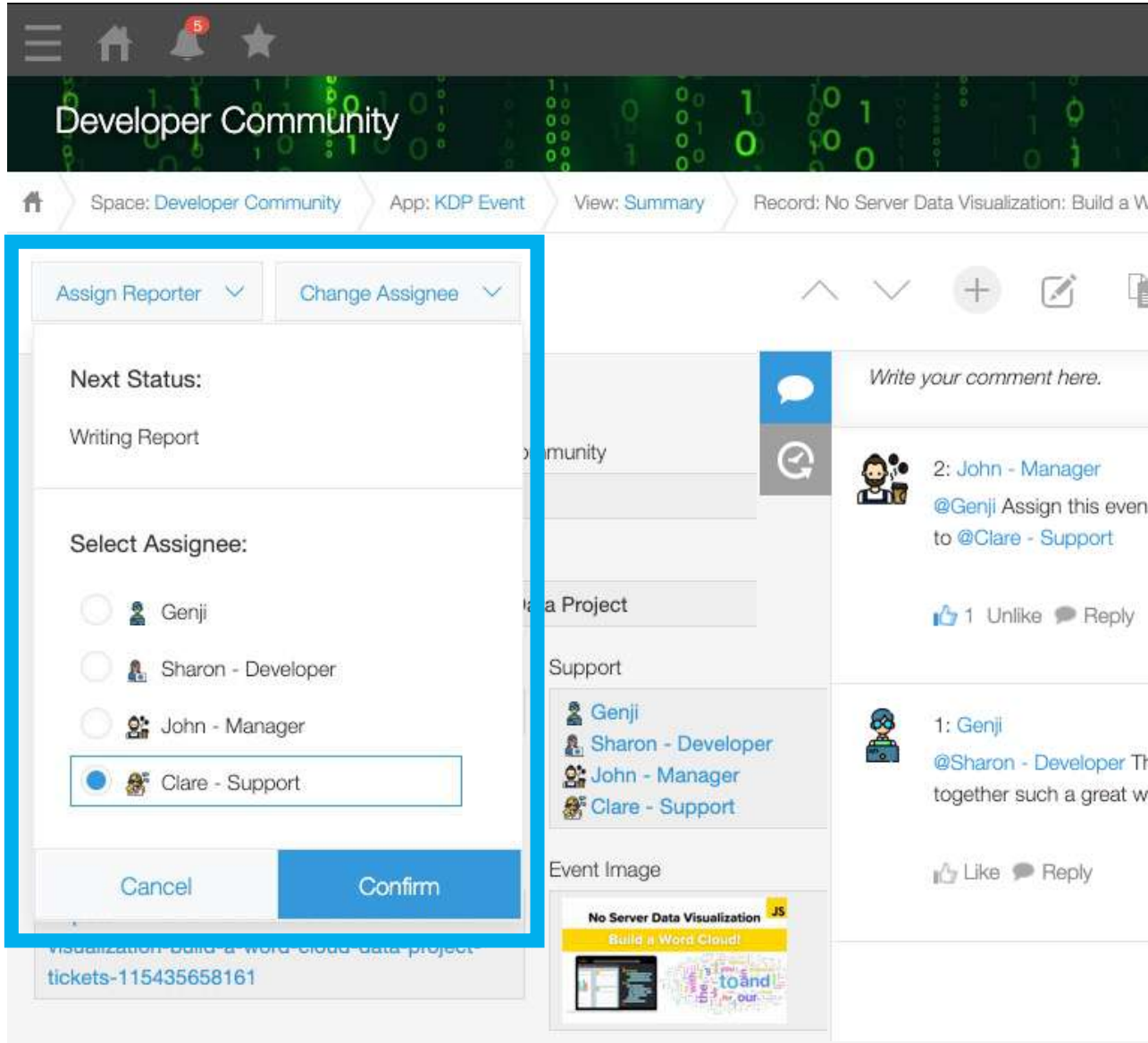
Where Communication Lives



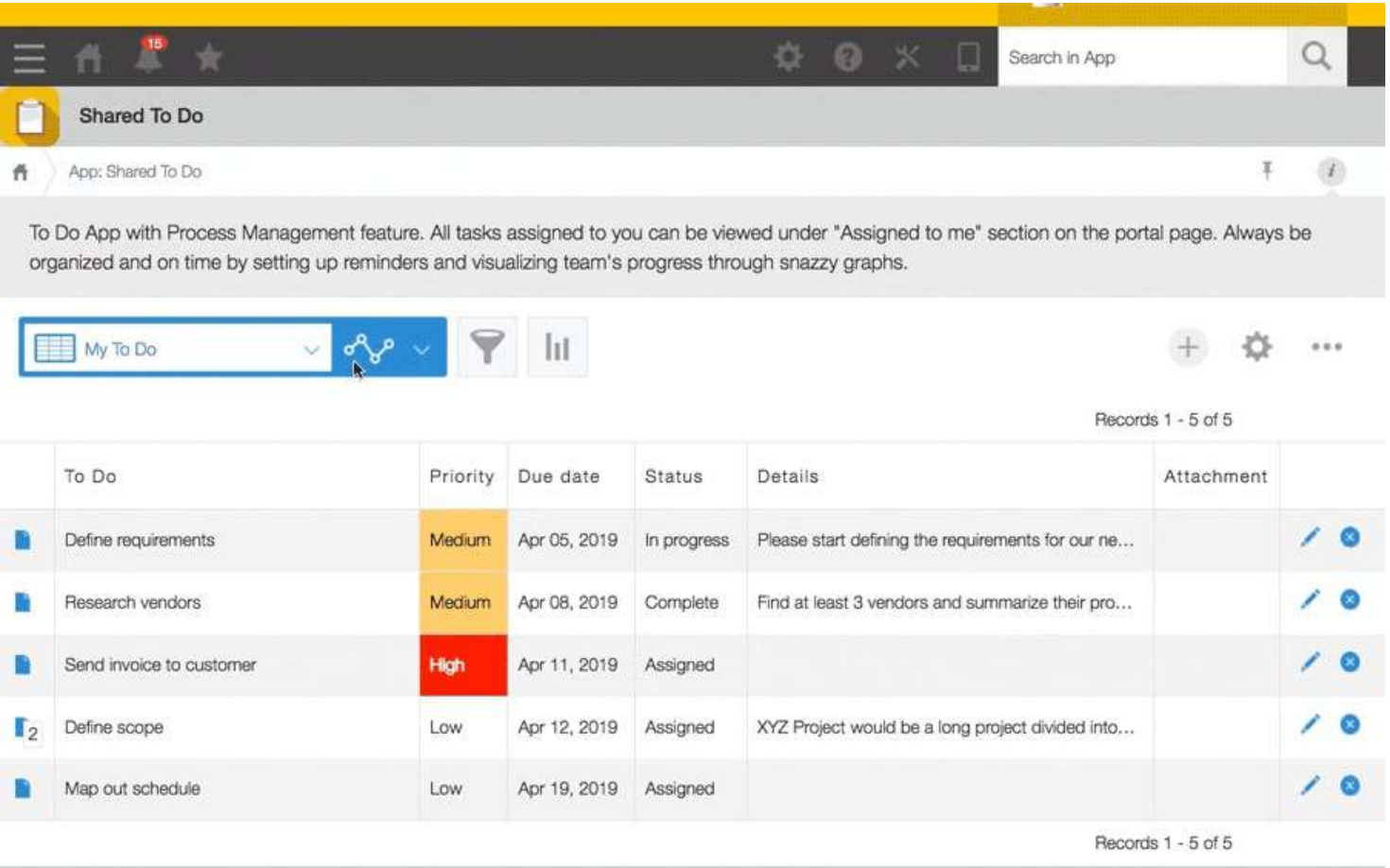
Workflow

With Process Management, establish a workflow so that the **right people** sees the **right info** at the **right time**.





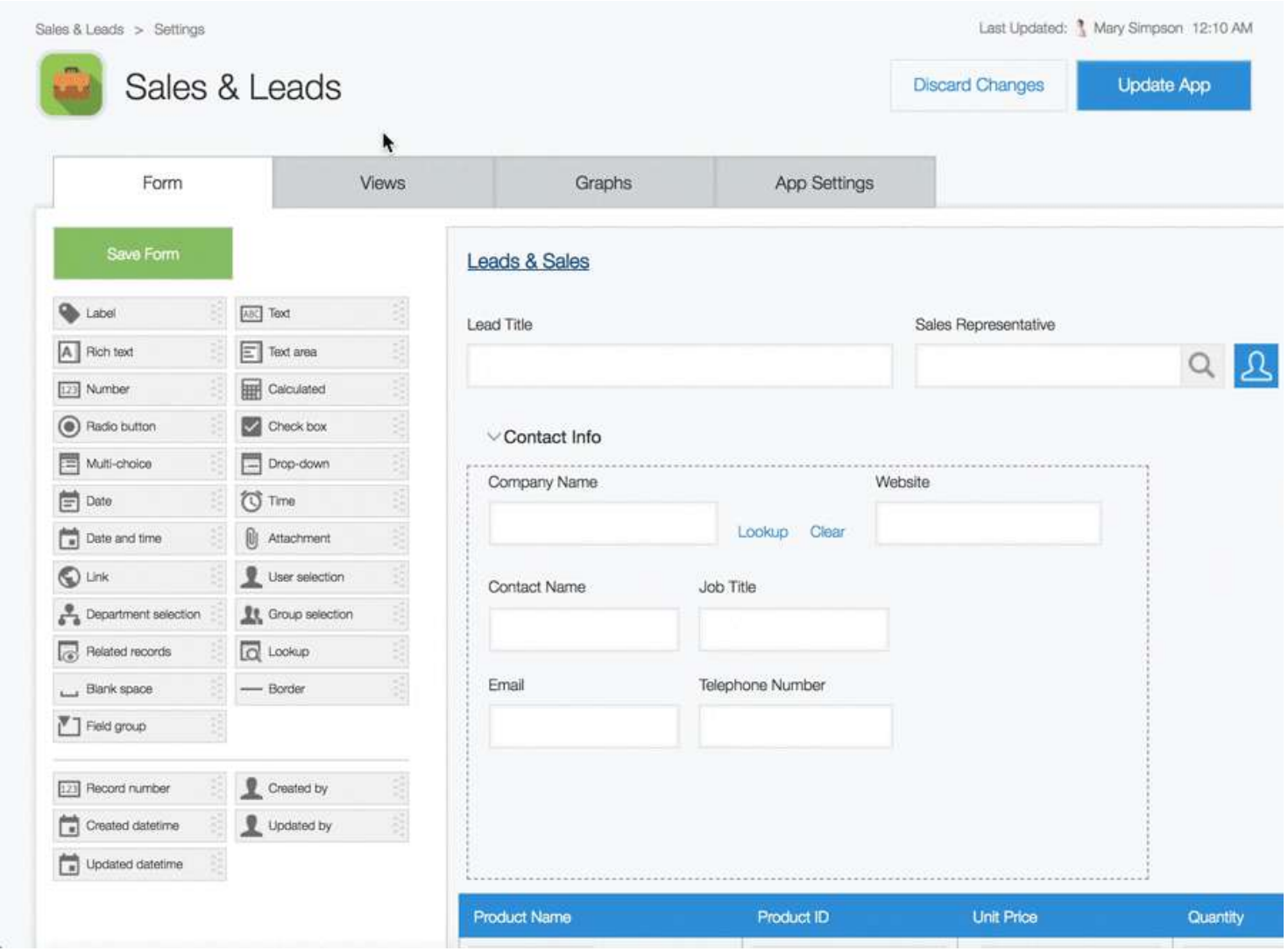
Kintone Apps



The main building block in Kintone is an **App**.

Imagine an **App** as a powerful, online table where data is stored in records.

Kintone Apps



Apps are easy to **create** using a **drag-and-drop** interface with no coding needed.

Apps are extensively **customizable** with client-side **JavaScript**.

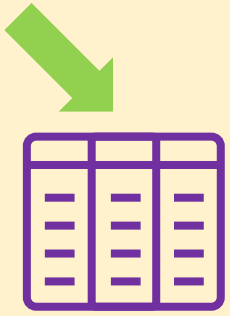
Everyone Contributes!

As a **no-code & low-code platform**, Kintone supports non-coders with visual programming UI while enabling sophisticated customization

Anyone can create Apps that they need without coding

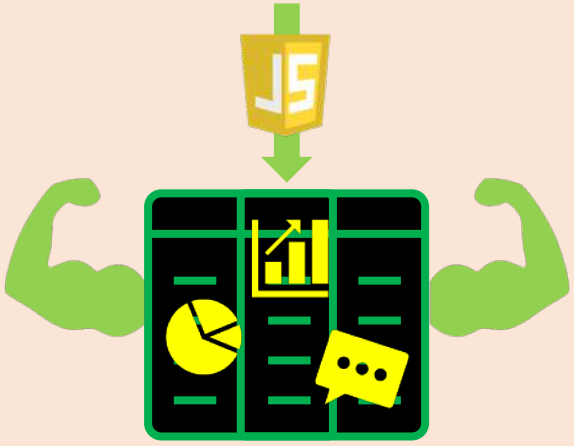
Product Catalog

Knowledge Base



Job Vacancies

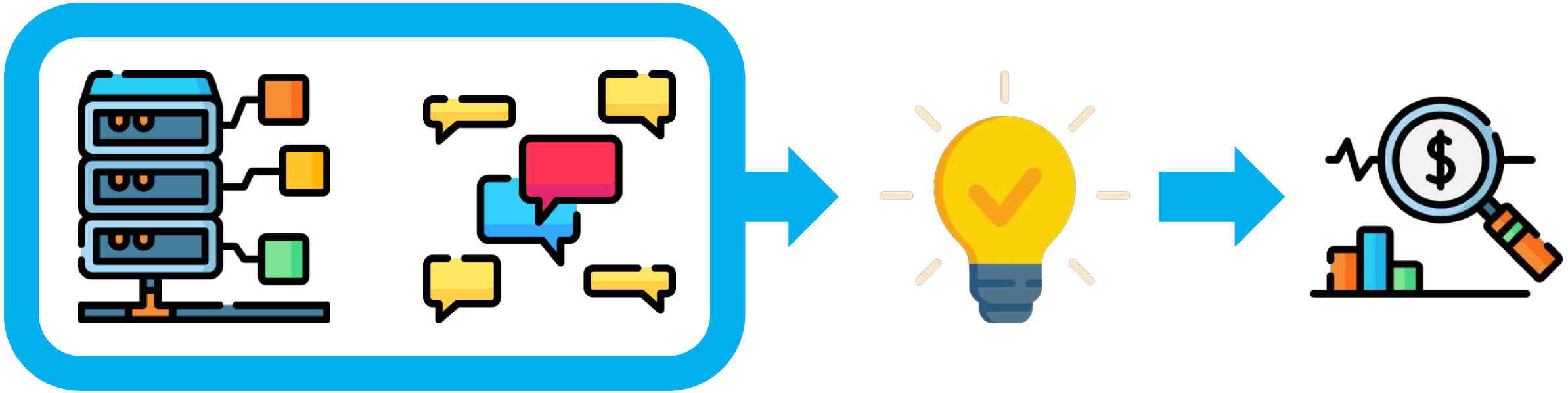
Developers can enhance the Apps with JavaScript



Fulfill the Promise of *Groupware*

Share meaningful insights about the data that become operationalized quickly.

Data + Communication → **Insight** → **Action**



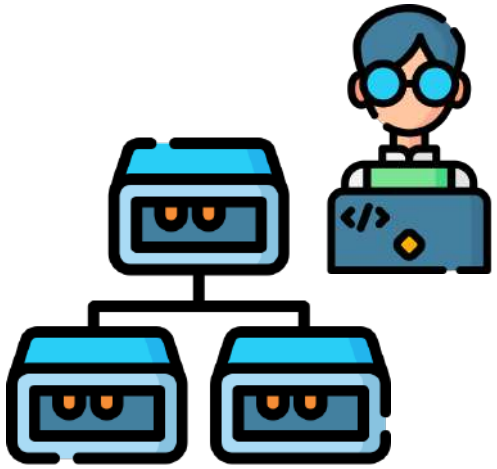
How Developers Contribute

kintone
developer program

How Developers Contribute

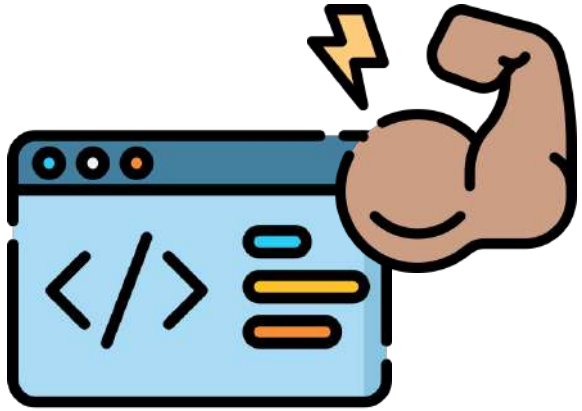
Command Center

- Create a custom look & feel
- Integrate with 3rd party web applications to exchange data



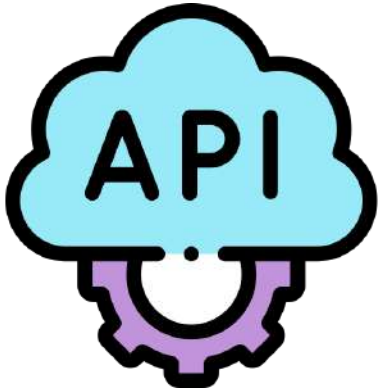
Enhancements

- Develop JavaScript customizations
- Build & share extensions



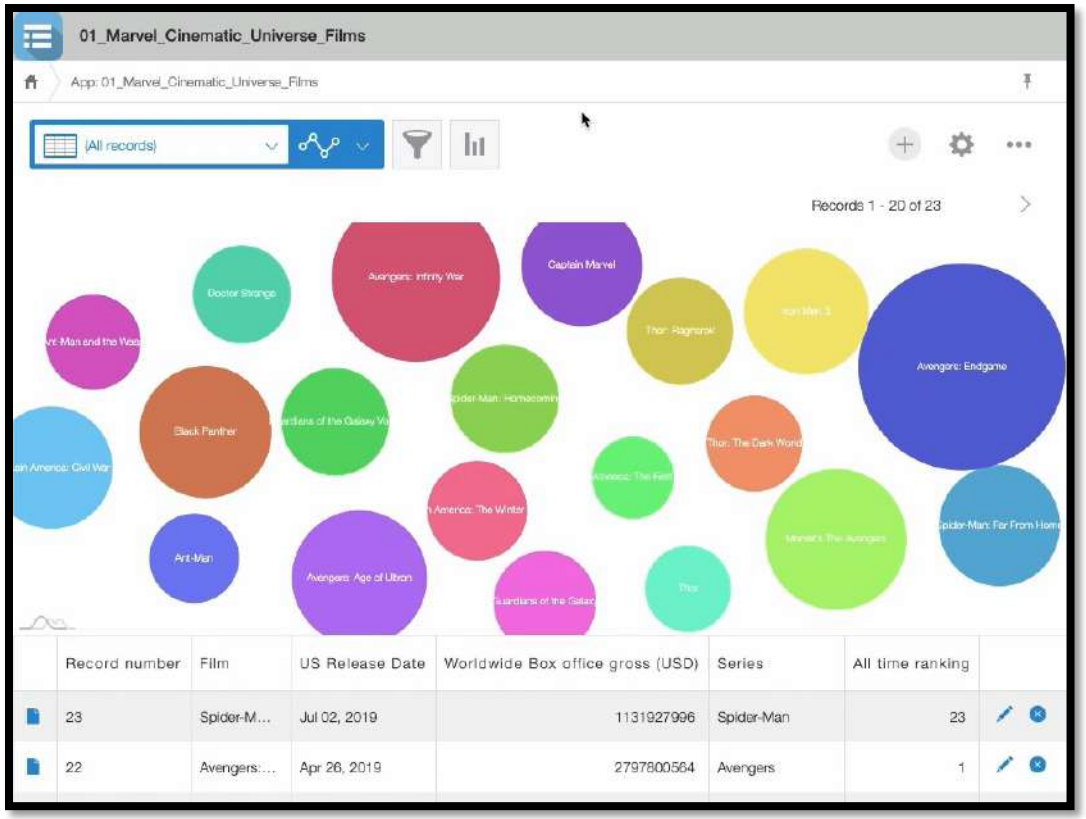
Tools Inside Kintone

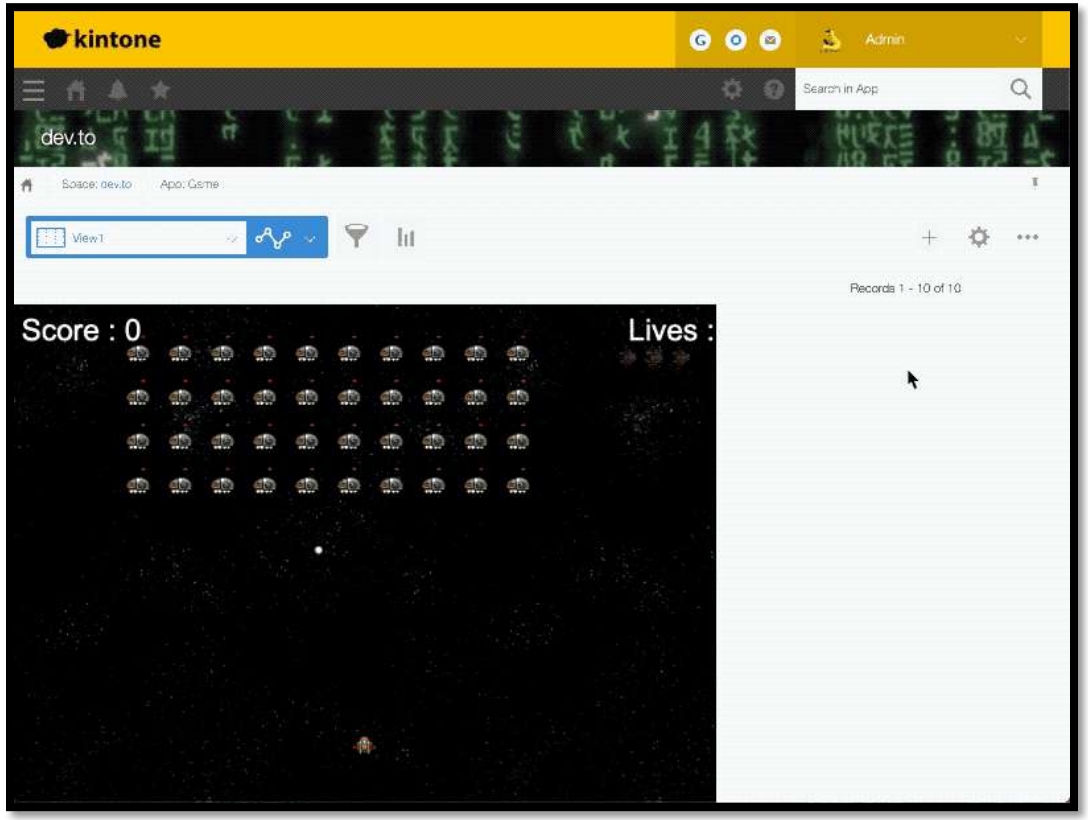
- JavaScript APIs
- REST APIs
- API Tokens
- Webhook
- Plugins
- JavaScript Customizations
- CSS & HTML Customizations
- Precise Permission Controls



Create a Custom Look and Feel

Display data the way you want with HTML, JS, and CSS





Kintone For Self Learning

Keep learning new JavaScript tricks!

Contribute your learnings to tech blogs

Share your projects with your community!

Kintone For Creating Revenue

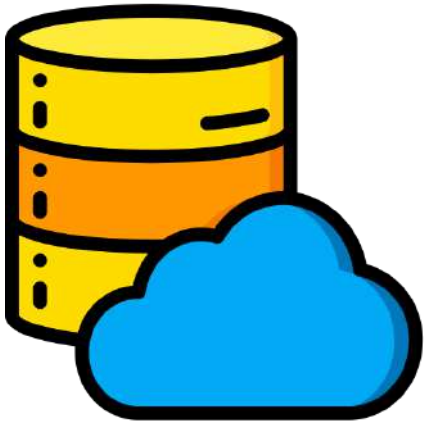
Create & sell Kintone extensions

Consult with firms on achieving business goals

Develop Kintone customizations for customers

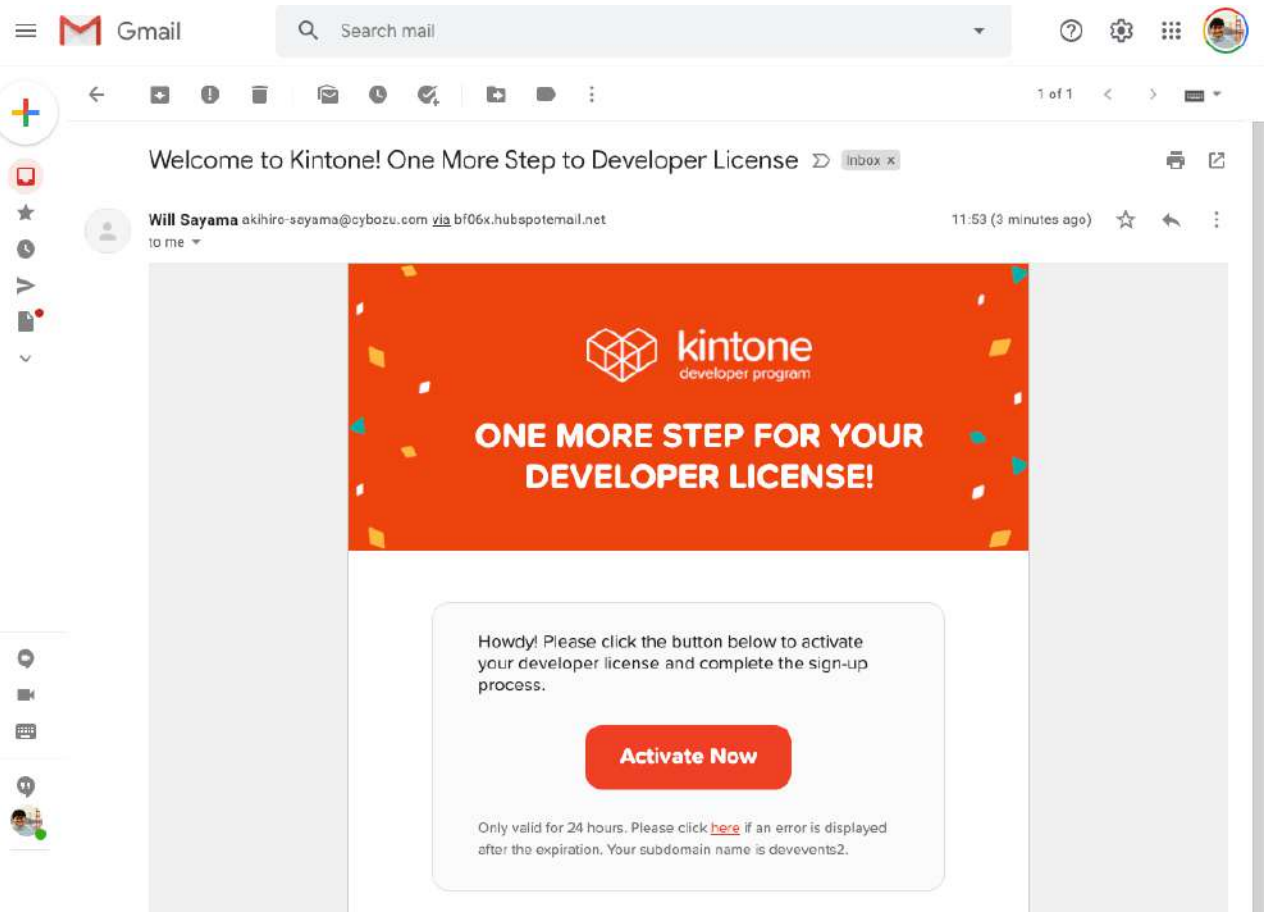
Let's Create a Kintone Database App

Step-By-Step Guide

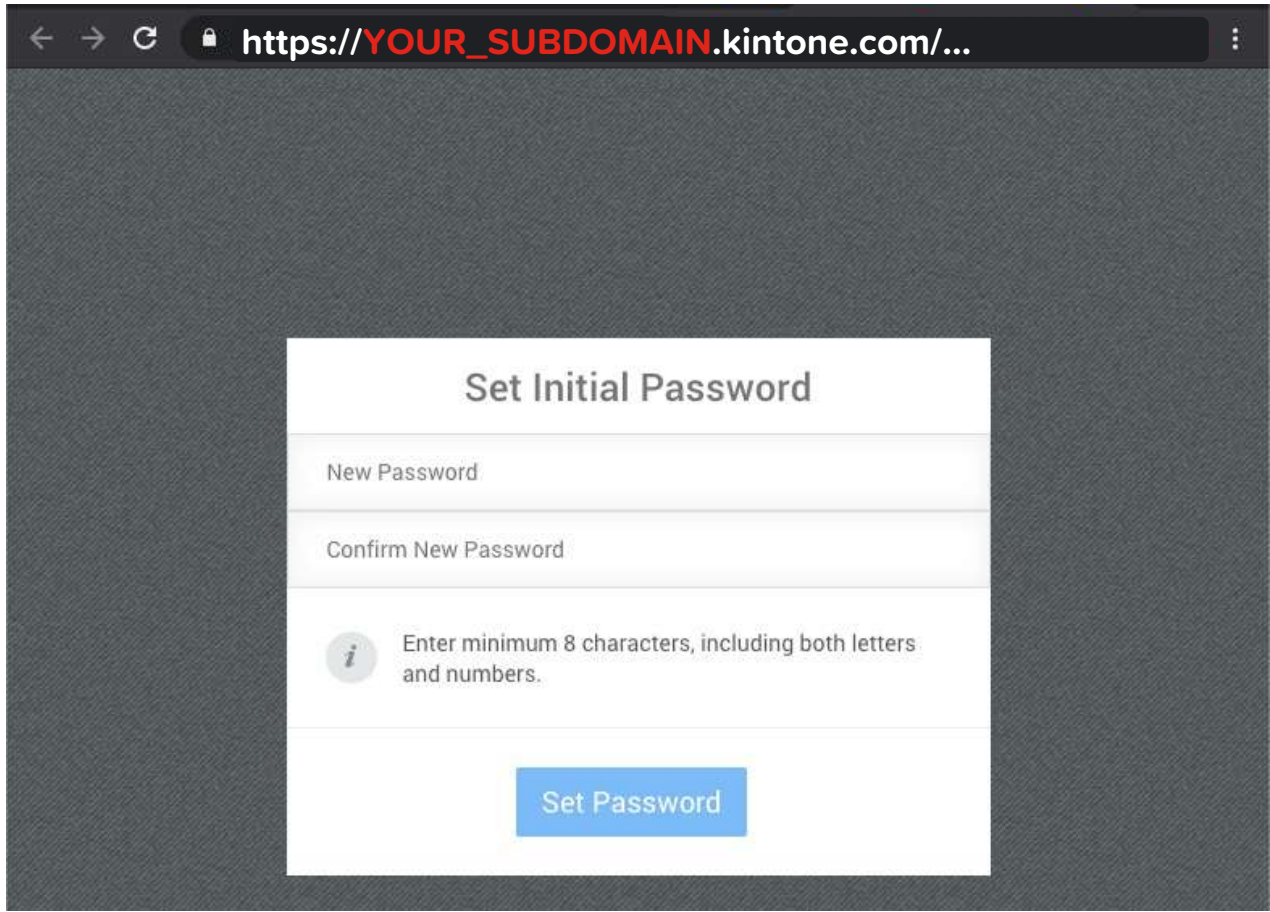


Check Your Email

Welcome to Kintone! One More Step To...



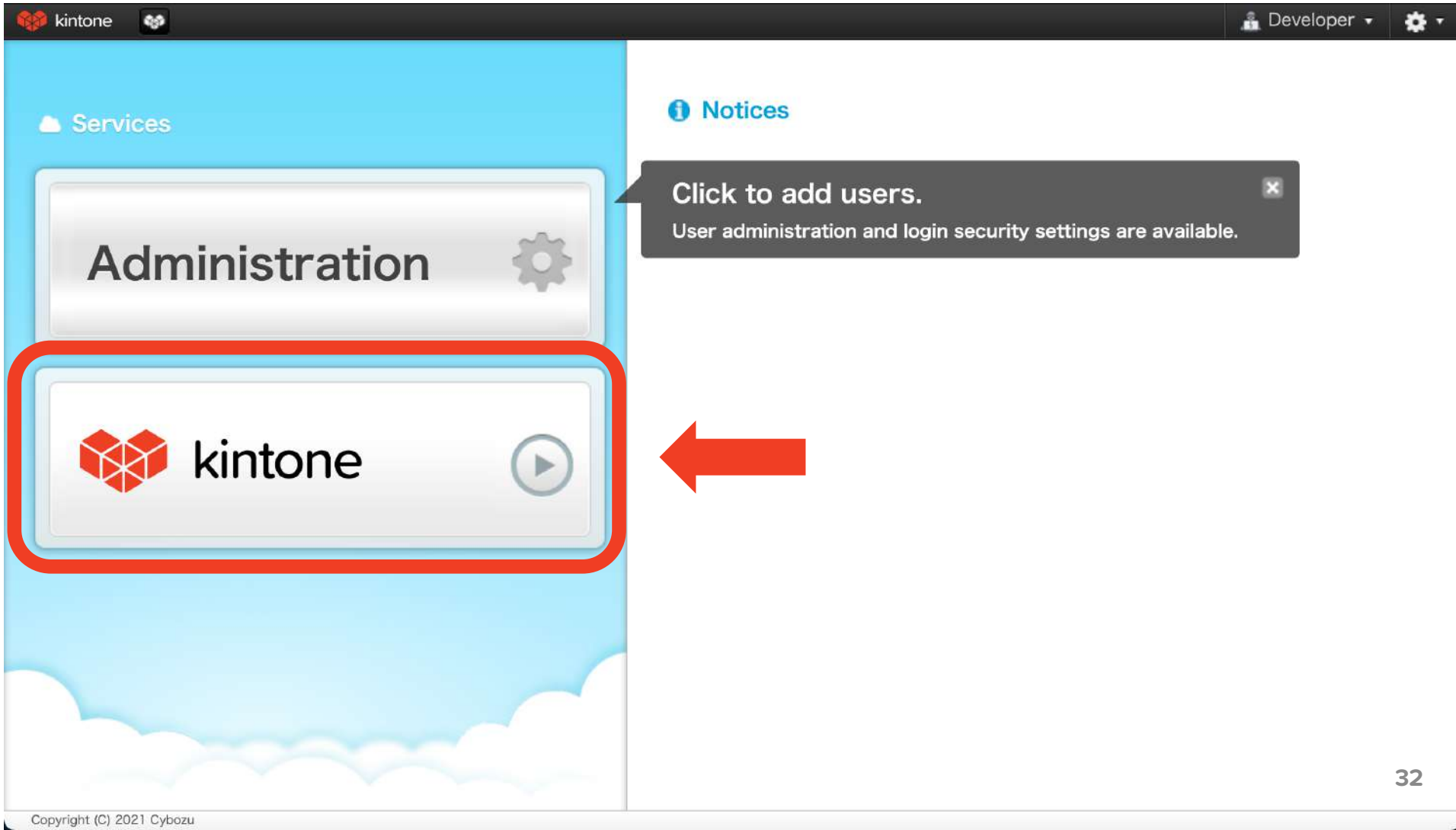
YOUR_SUBDOMAIN.kintone.com



Let's Log into Kintone

Click on Kintone button on the Left side

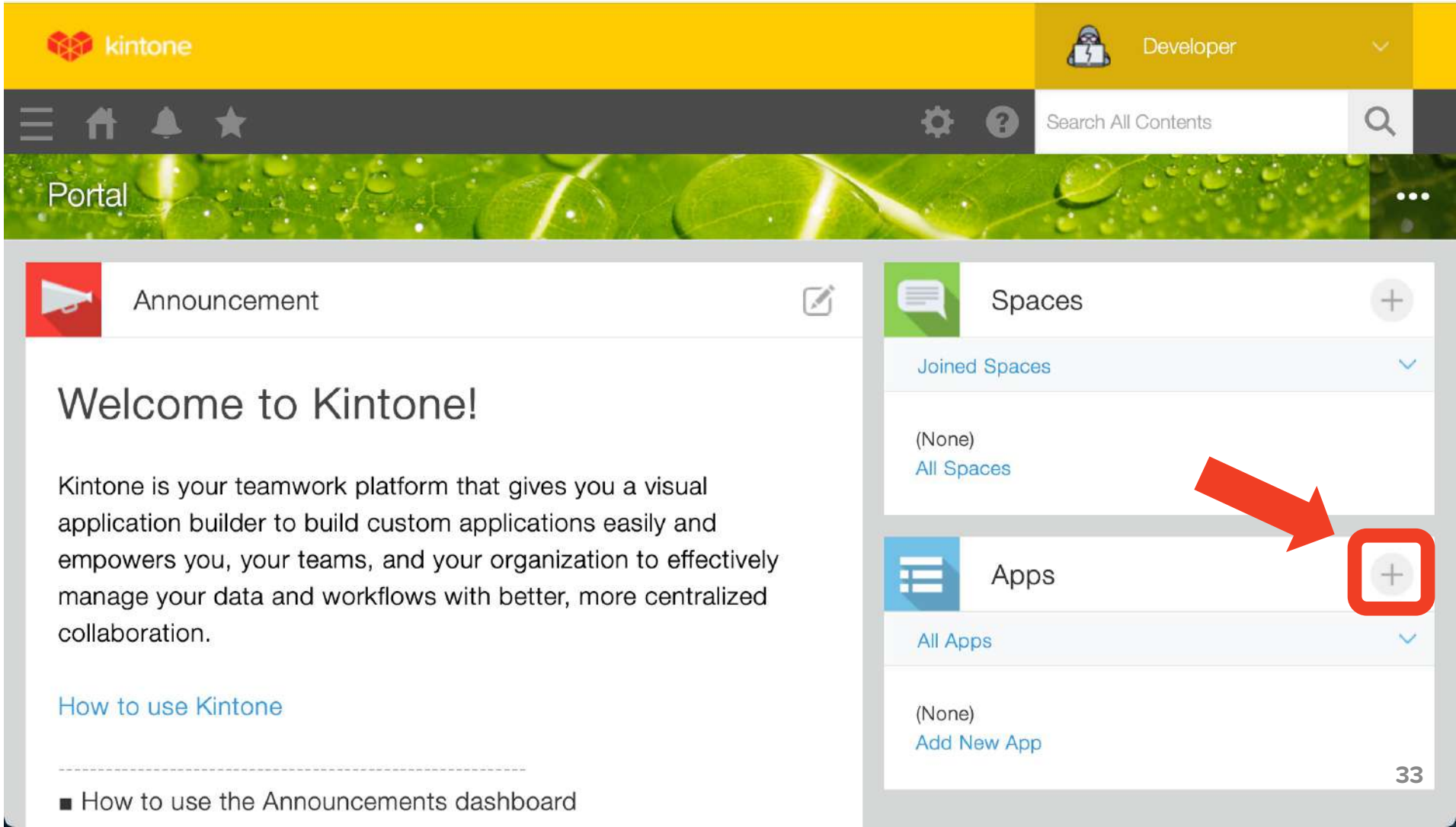
The email has the initial registration link & subdomain



Create a Kintone Database App

From the Portal screen

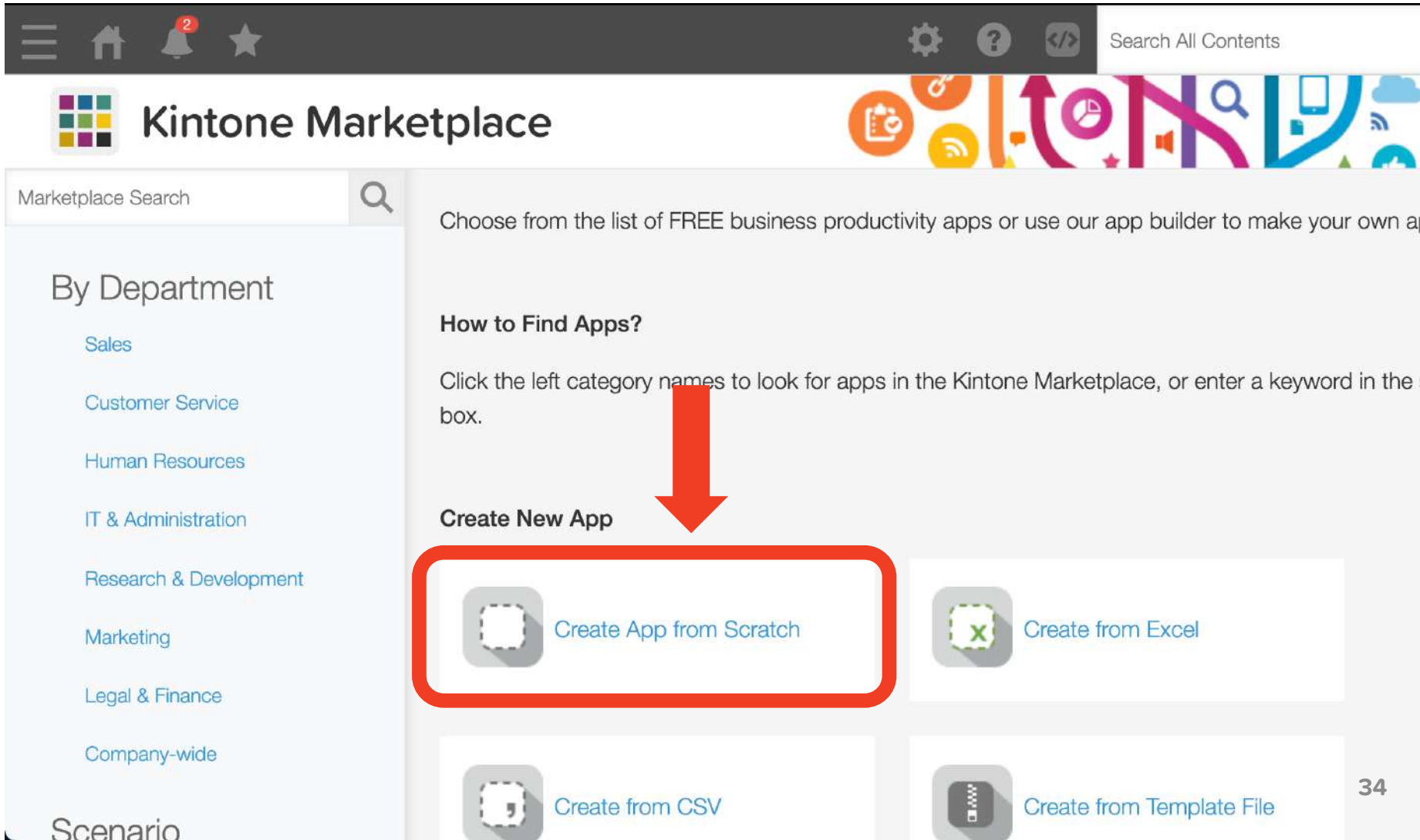
Click the [+] button on the Right side



Create App from Scratch

On Kintone Marketplace...

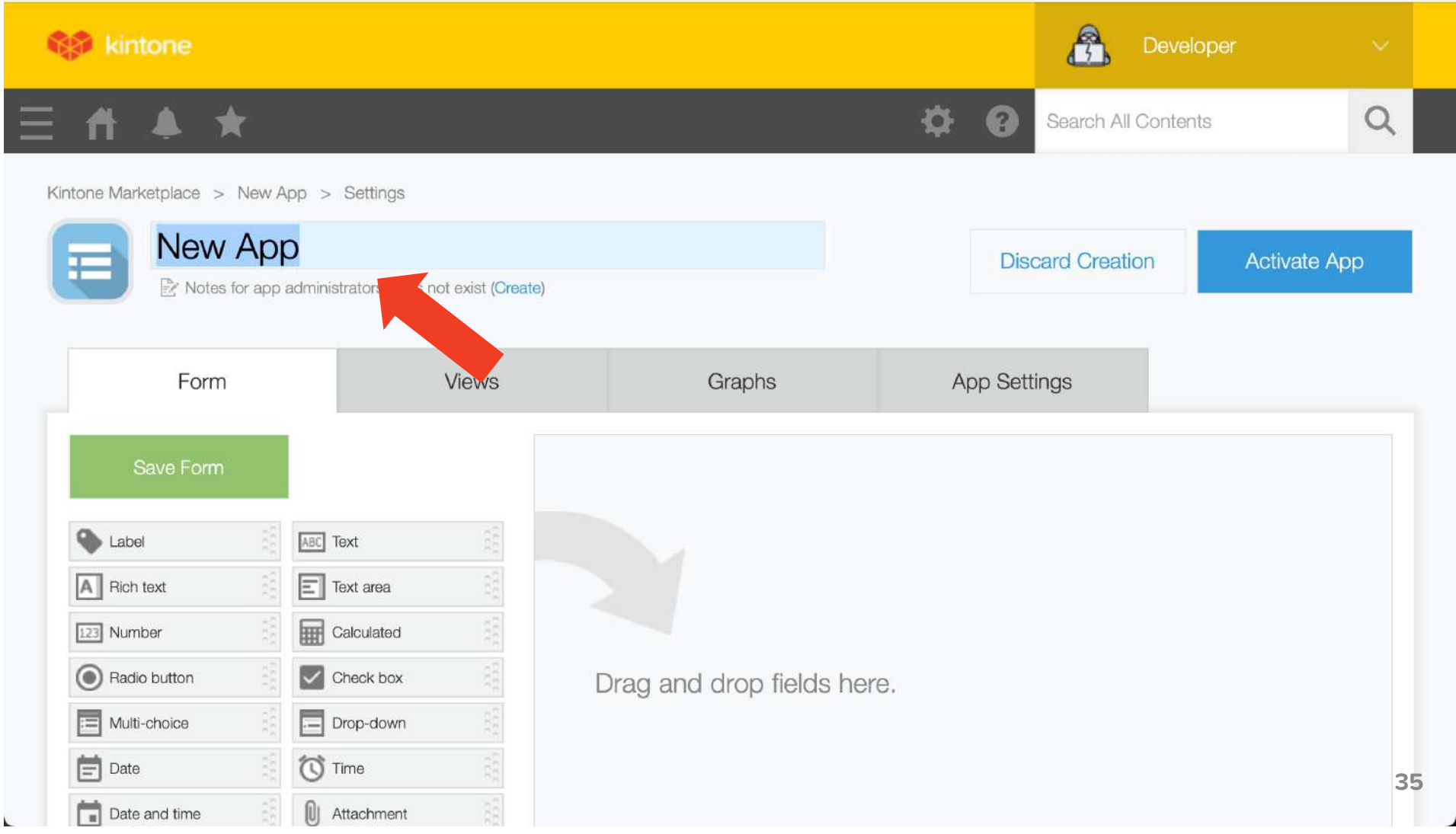
Click on **Create App from Scratch**



Name the App

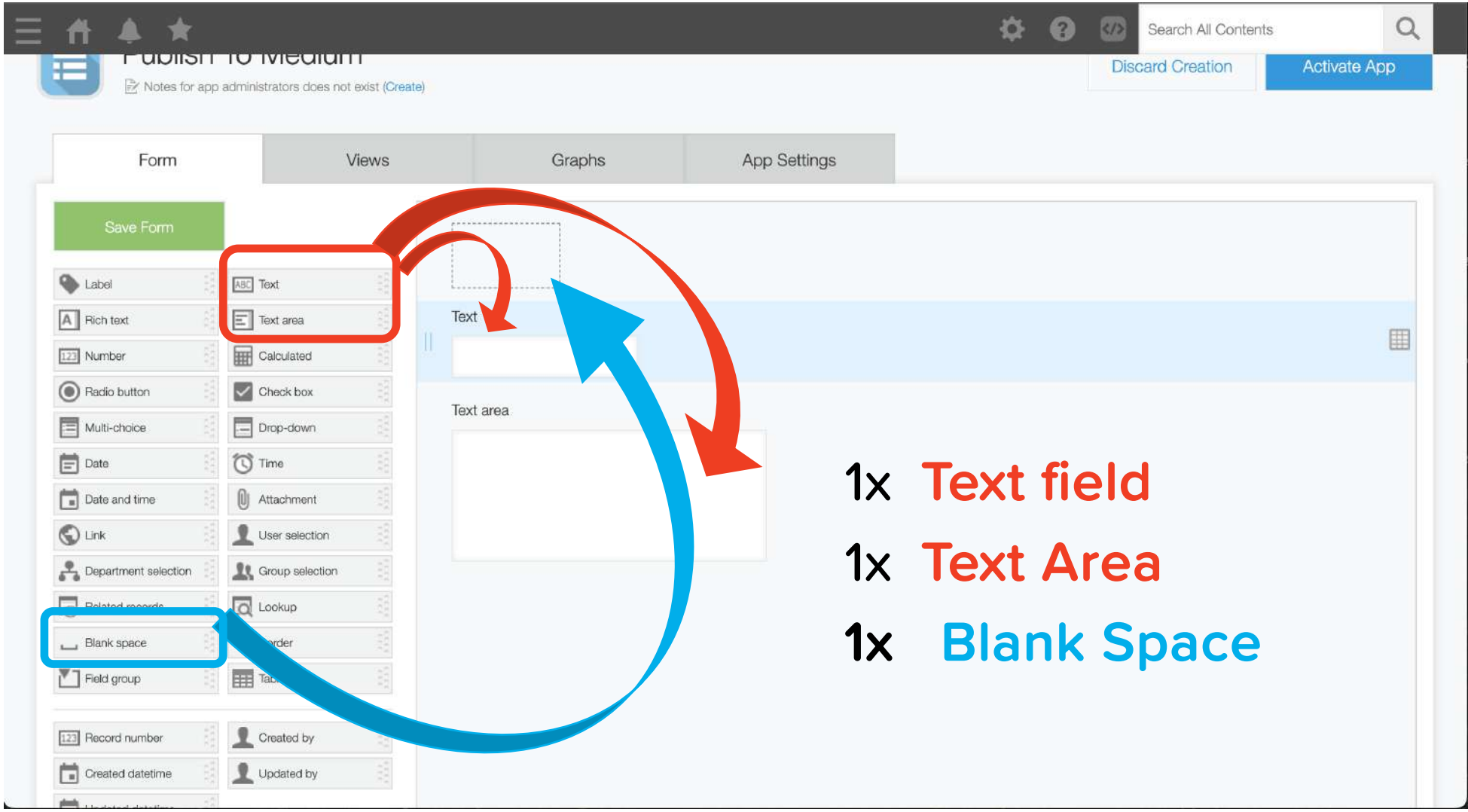
Replace the "New App" with your App's Title

We will input "Publish To Medium"



Building the Publish To Medium App

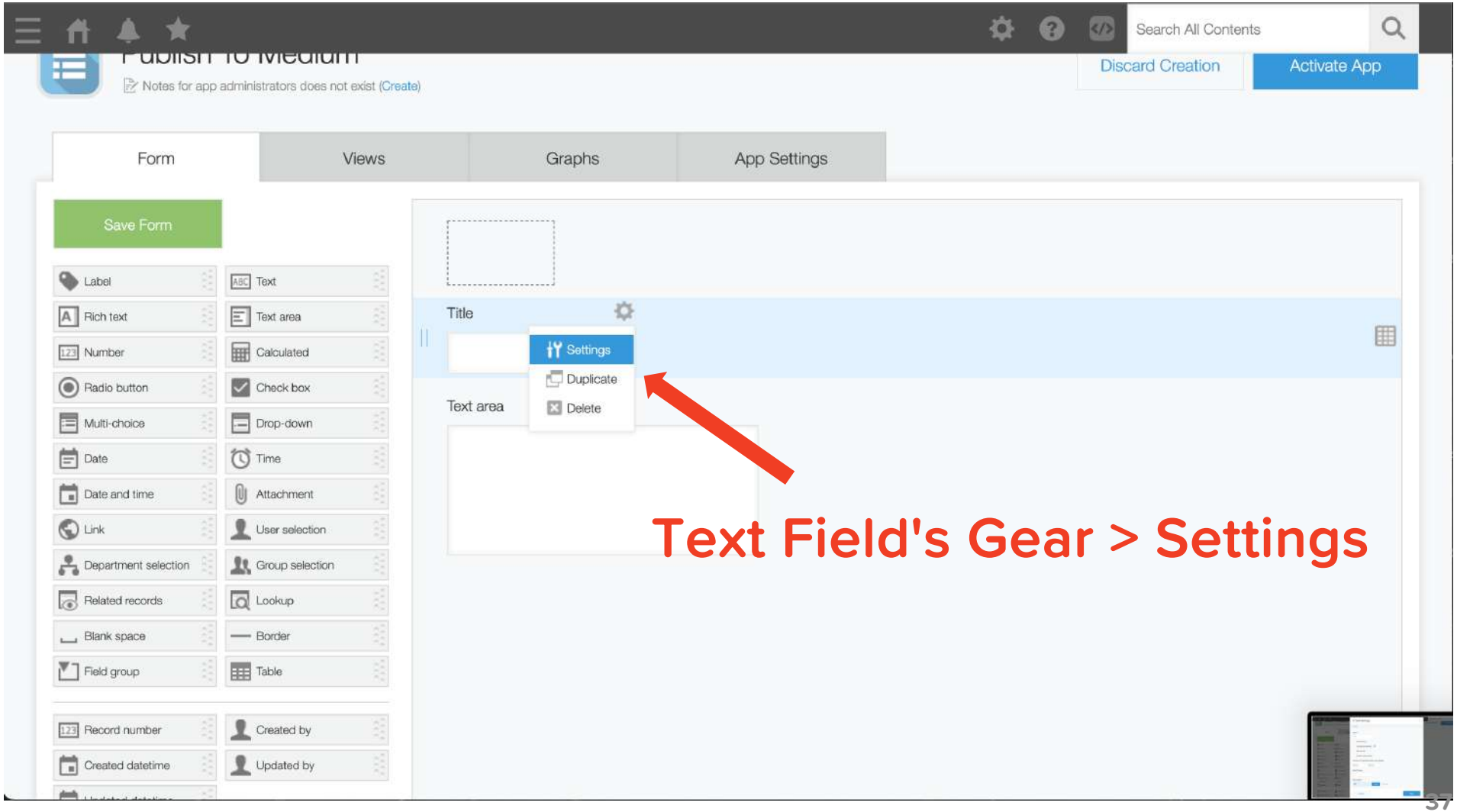
Drag & drop following fields into the middle area



Configure Fields

Click on the **Gear** from the text field's left corner.

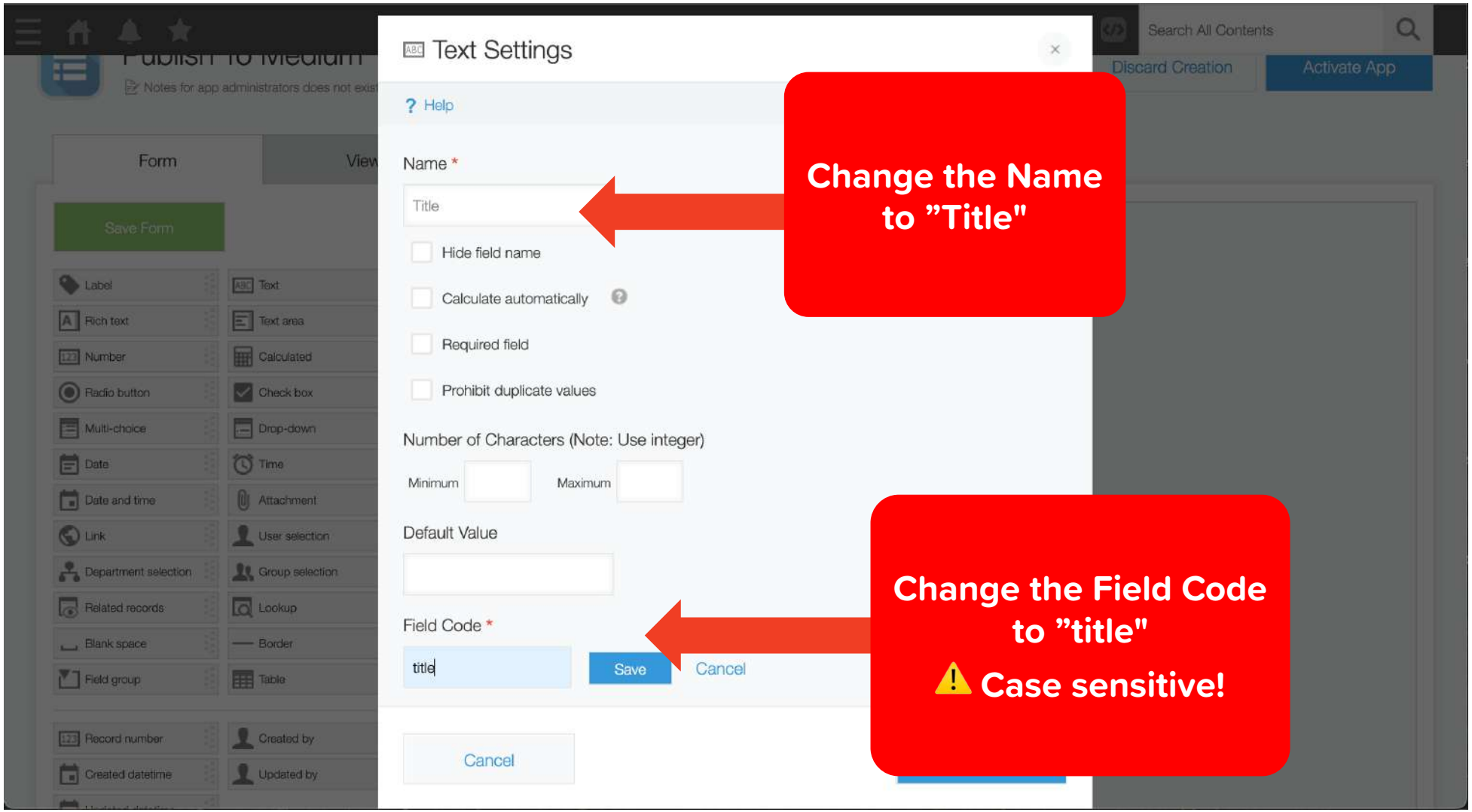
Edit the
Name
&
Field Code



Inside the Text Field Settings

Click on the **Gear** from the text field's left corner.

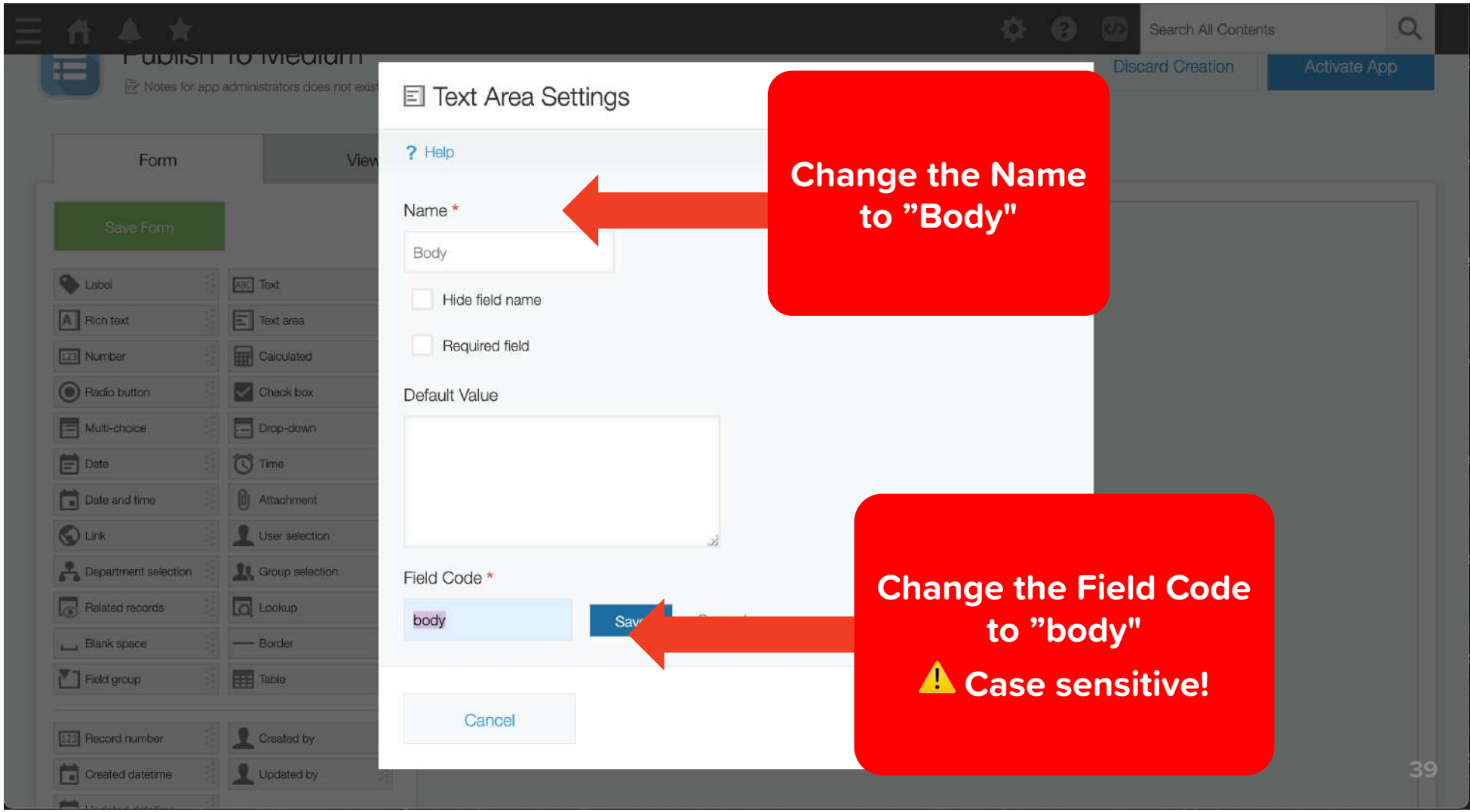
Edit the
Name
&
Field Code



Inside the Text Area Field Settings

Click on the **Gear** from the text area field's left corner.

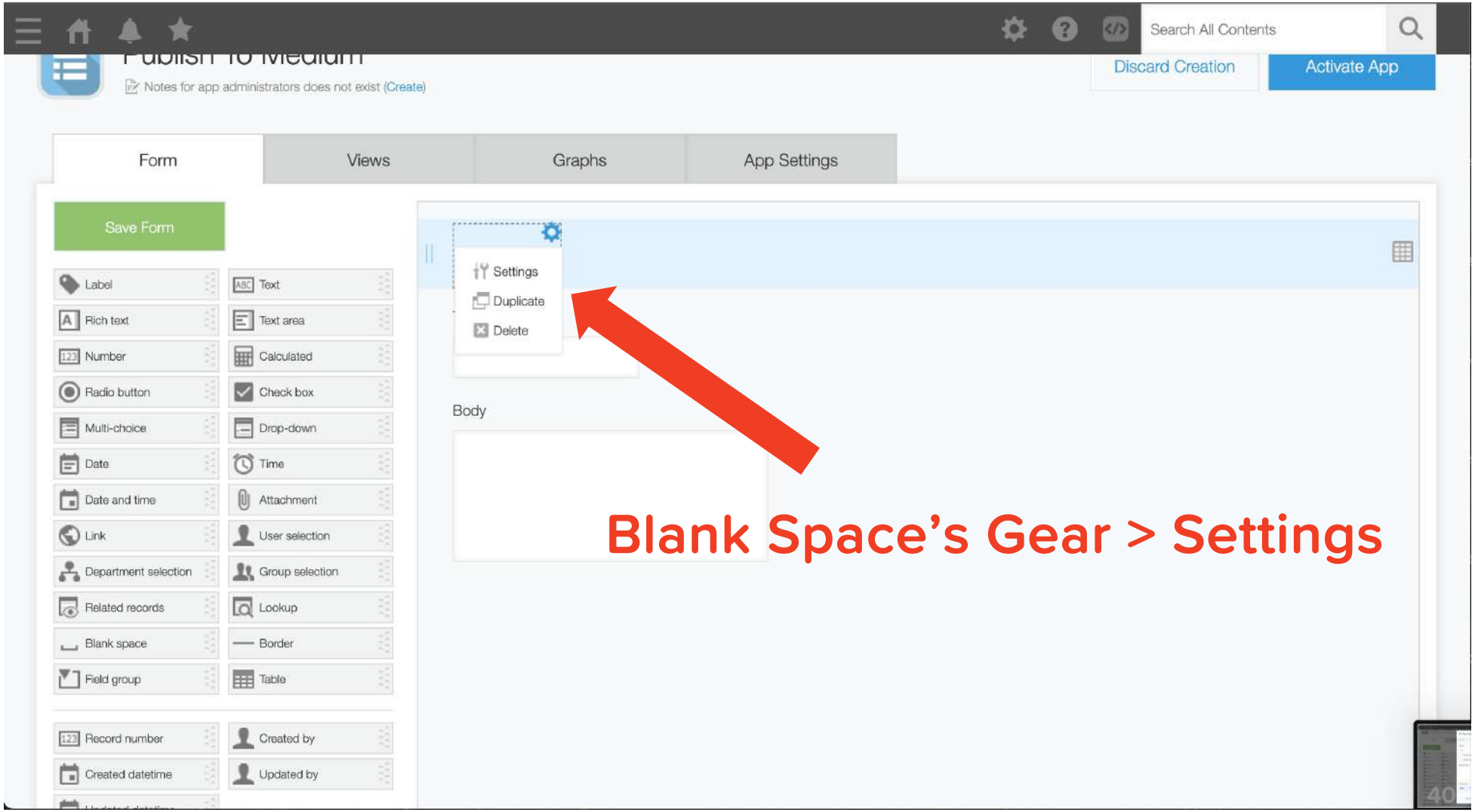
Edit the
Name
&
Field Code



Configure Fields

Click on the **Gear** from the text field's left corner.

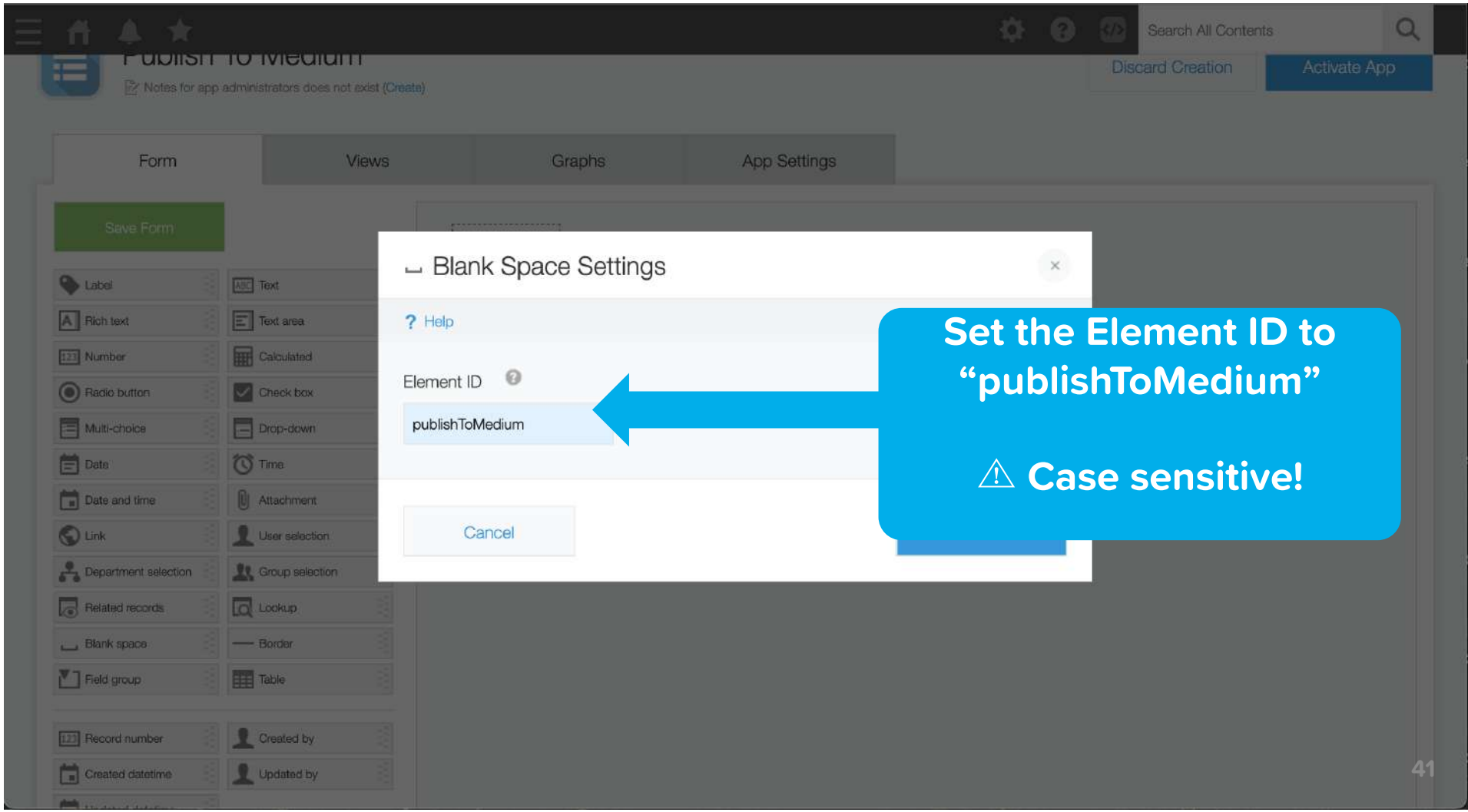
Edit the **Element ID**



Inside the Blank Space Settings

Click on the **Gear** from the text field's left corner.

Edit the
Name
&
Other Options

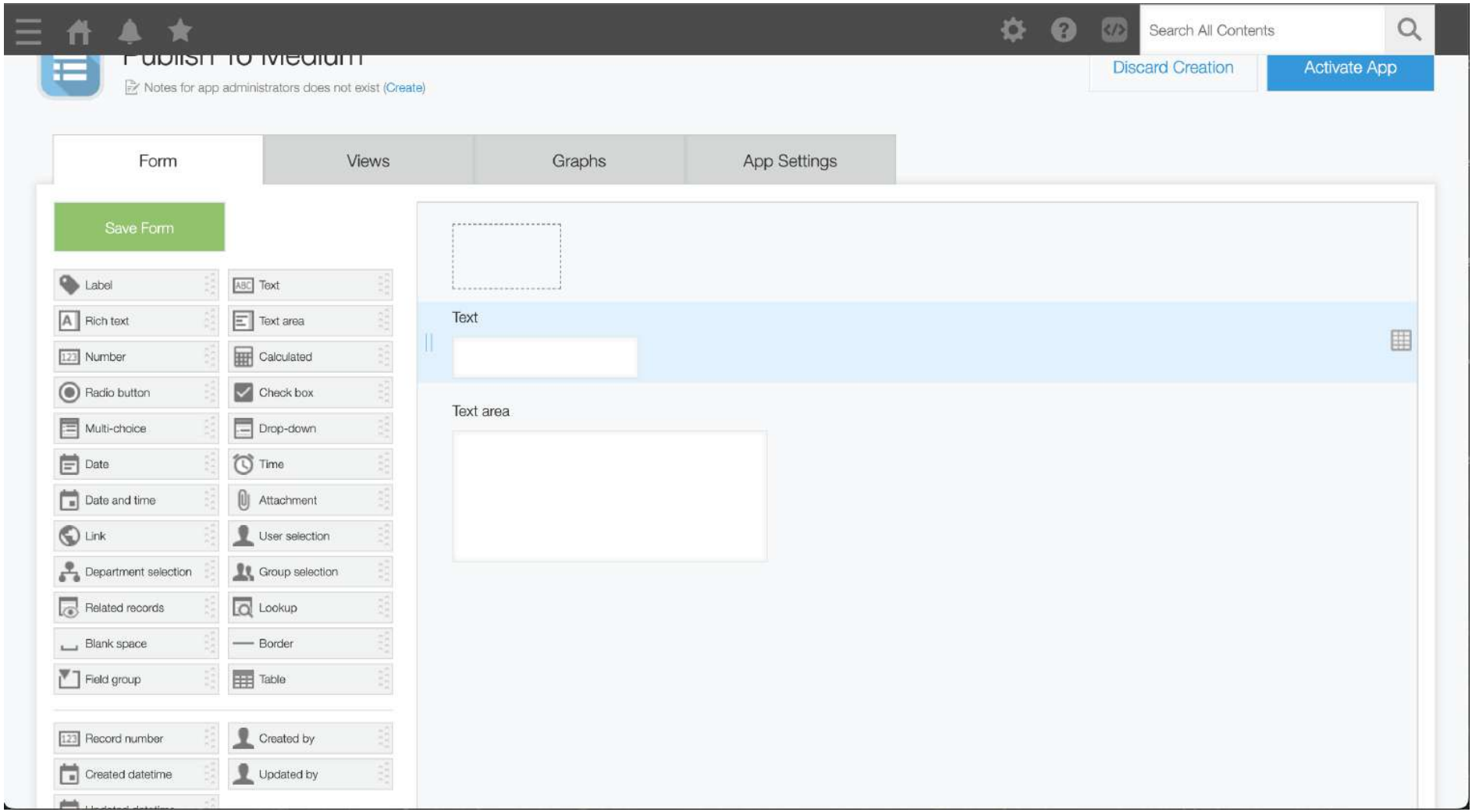


Does Your App Look Like This?

We changed...

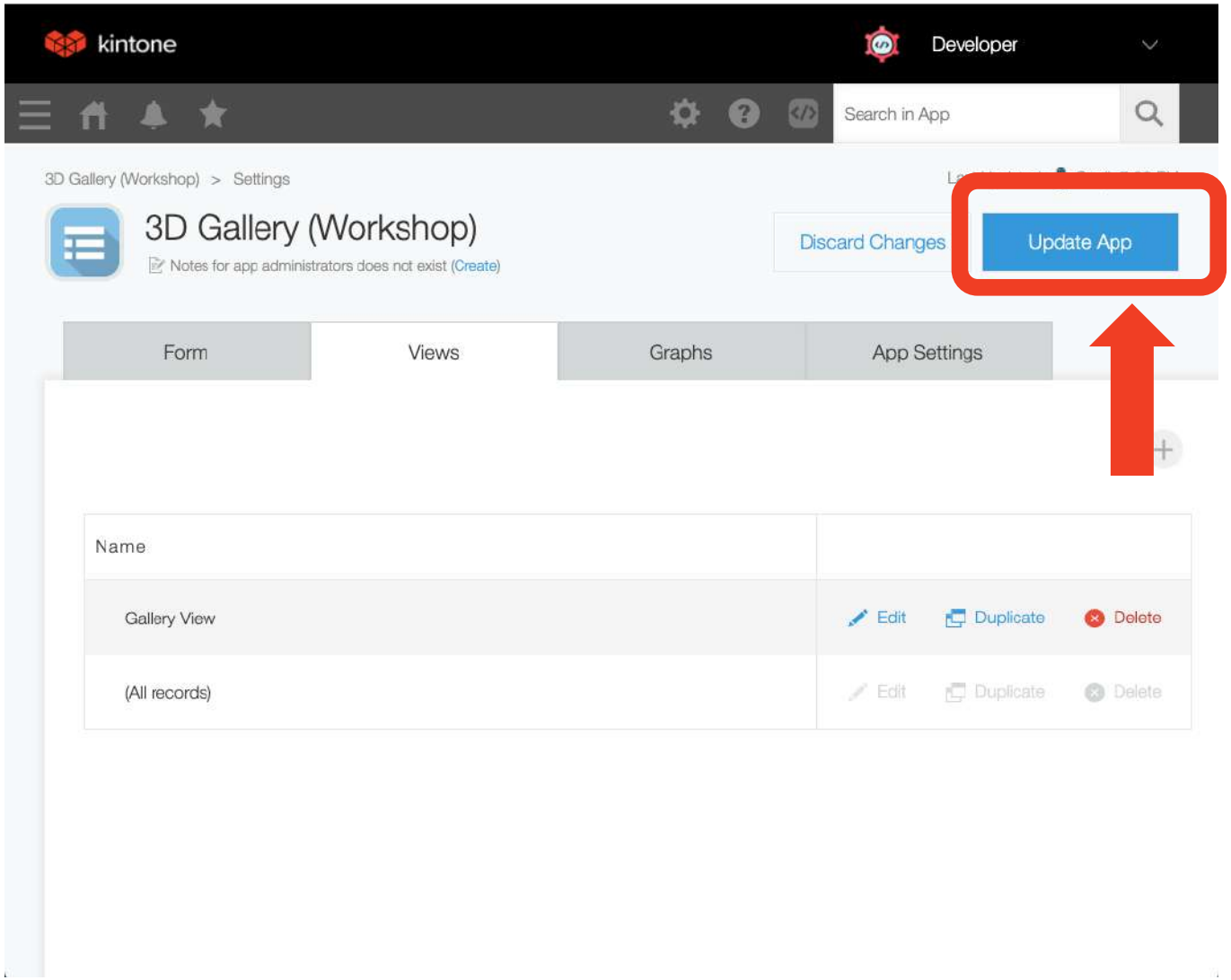
Title
1x Text Field
1x Text Area Field
1x Blank Space

Set the fields'
Names
and **Field Codes**



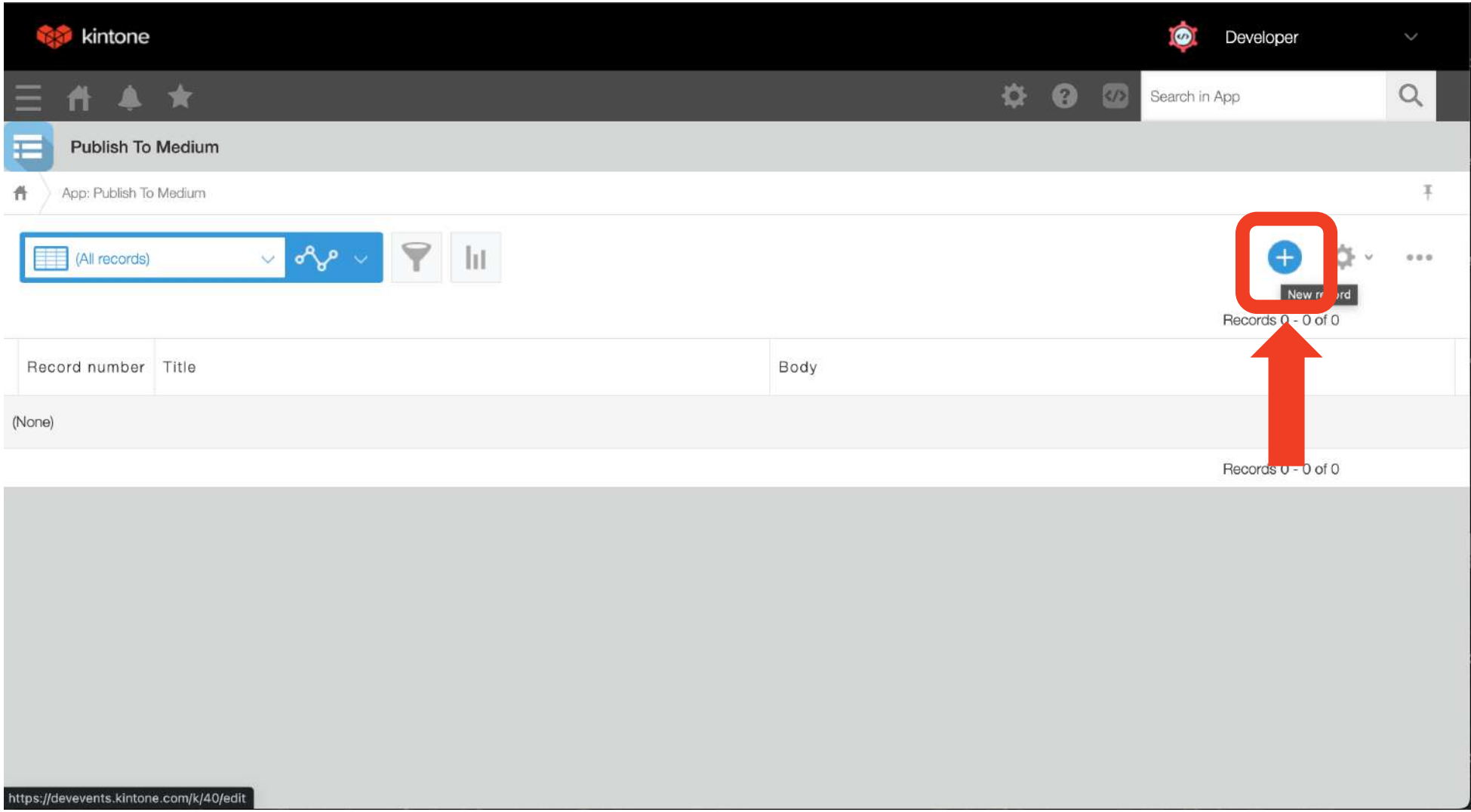
Activate the Kintone Database App

Click on the
Activate App
or
Update App
button to implement the changes!



Create a Record

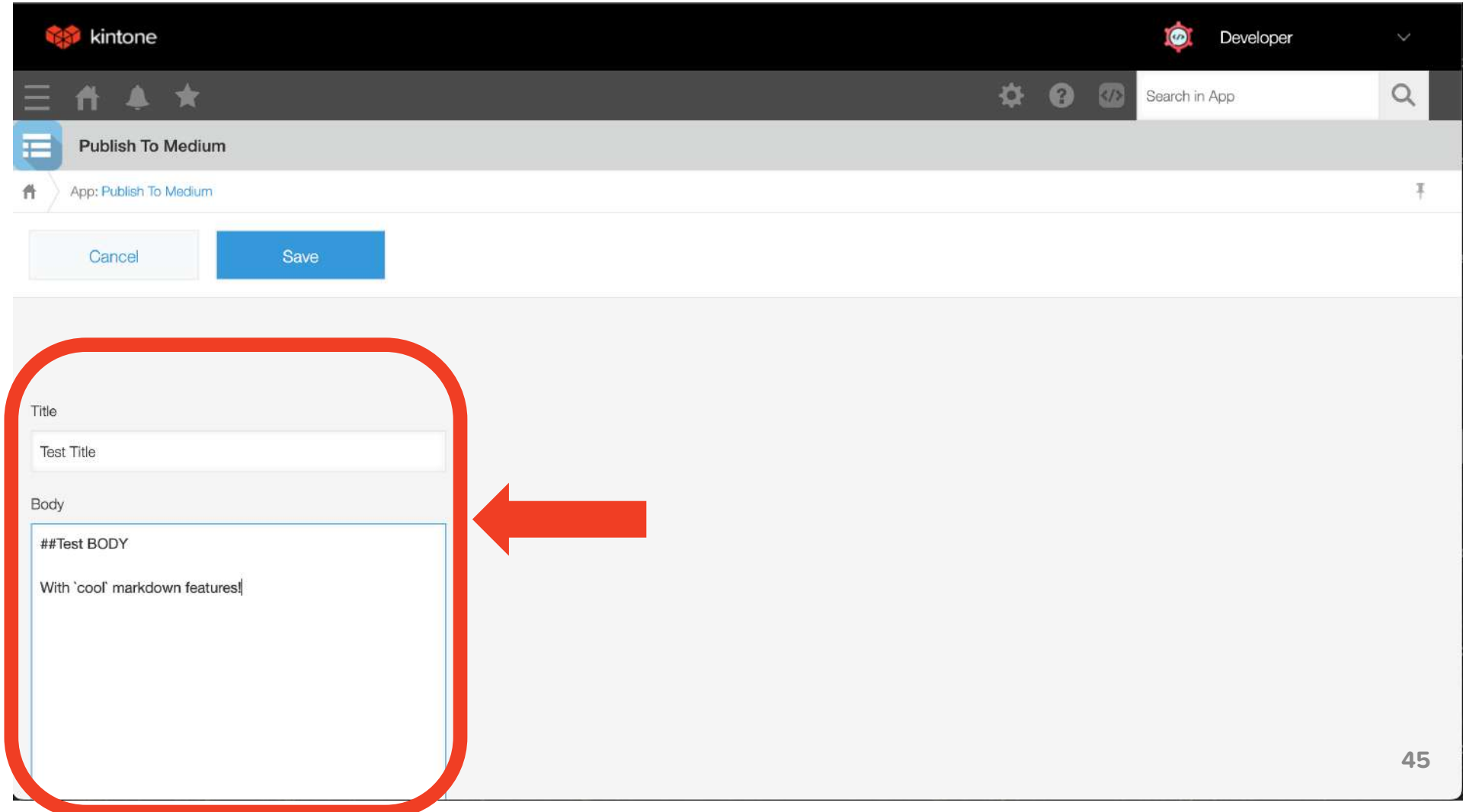
Click the
[+] button
on the
Right side to
create a record



Save a Record

Enter an article title, and some body text using markdown!

Then click the **Save button**



Connect Kintone to the Project

1. Input Kintone Subdomain
2. Input Kintone Login Credentials
3. Update App ID in

   customize-manifest.json

Go inside the .env.example file

- **.env.example** file is used to verify that **.env** file is correctly configured

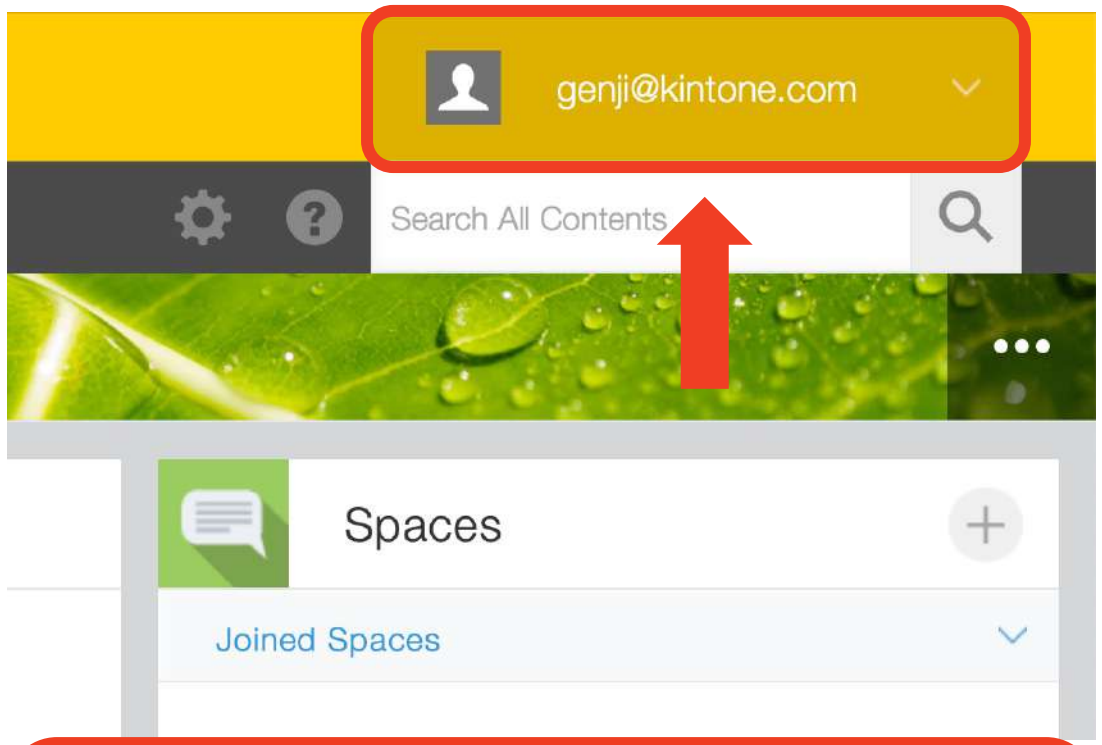
- **Duplicate** this file & name it "**.env**"

```
KINTONE_BASE_URL=
KINTONE_USERNAME=
KINTONE_PASSWORD=
VITE_AUTHOR_ID=
VITE_API_TOKEN=
```

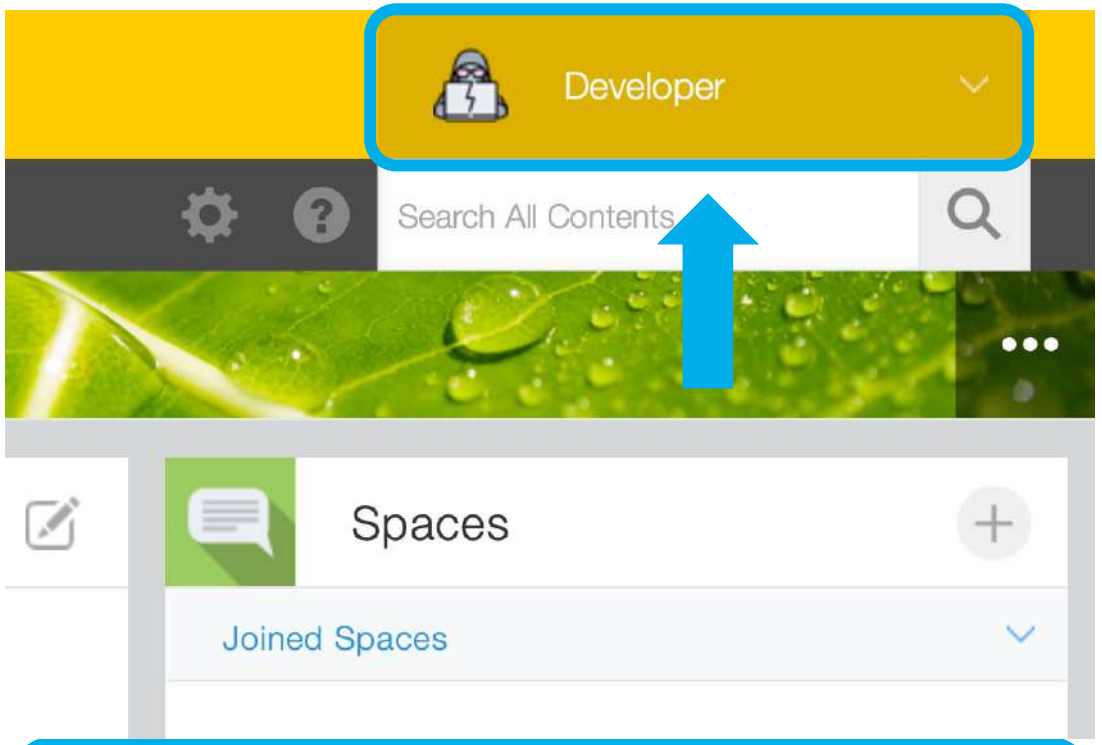
Example .env file

```
KINTONE_BASE_URL="https://example.kintone.com"
KINTONE_USERNAME="example@gmail.com"
KINTONE_PASSWORD="ILoveKintone!"
VITE_AUTHOR_ID="12345abcde67890"
VITE_API_TOKEN="09876edcba54321"
```

Where to get the Username ?



Default: Email address

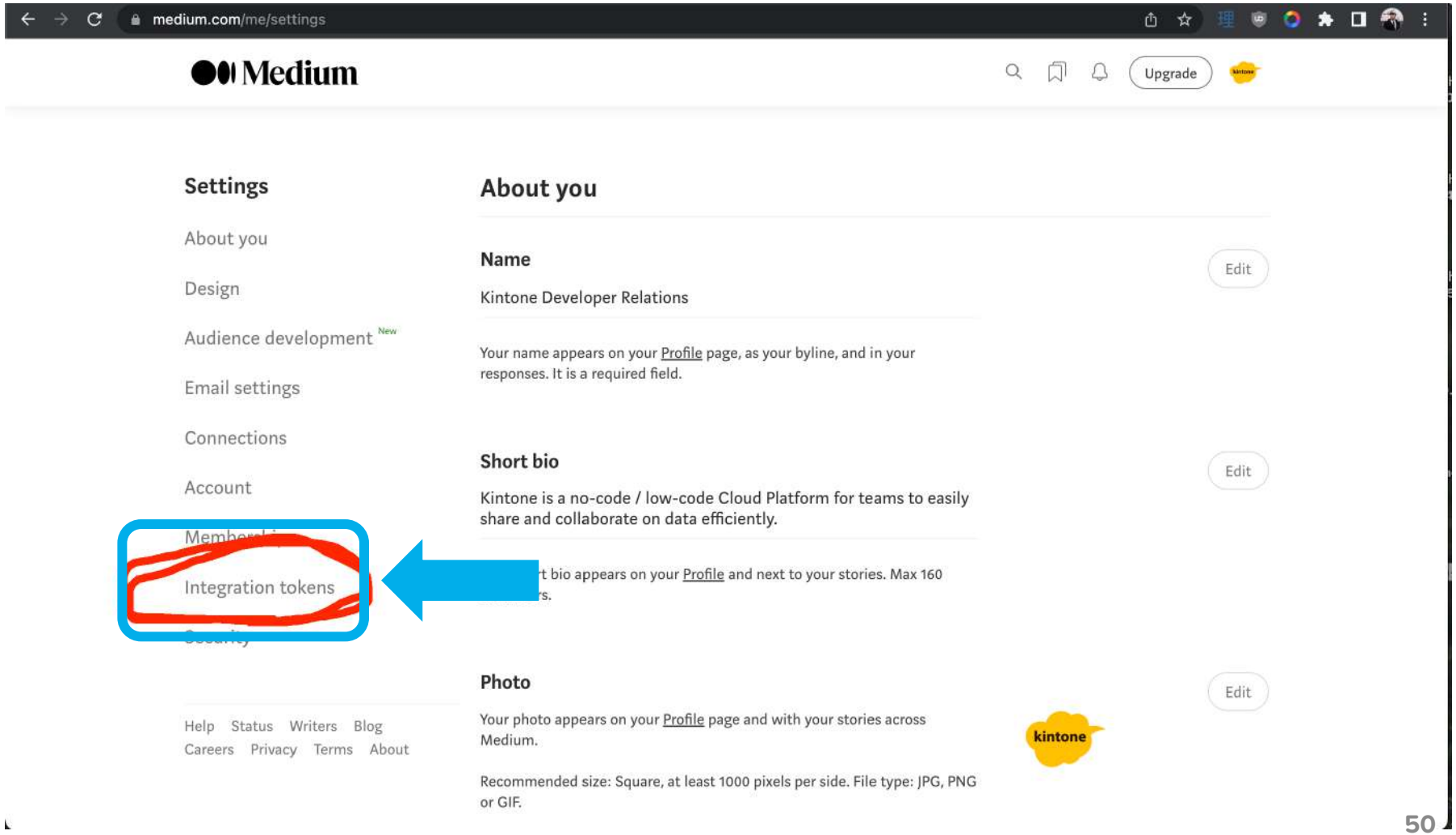


If modified: Display Name

Where to get my API Token?

Navigate to your Medium Account's [Settings Page]

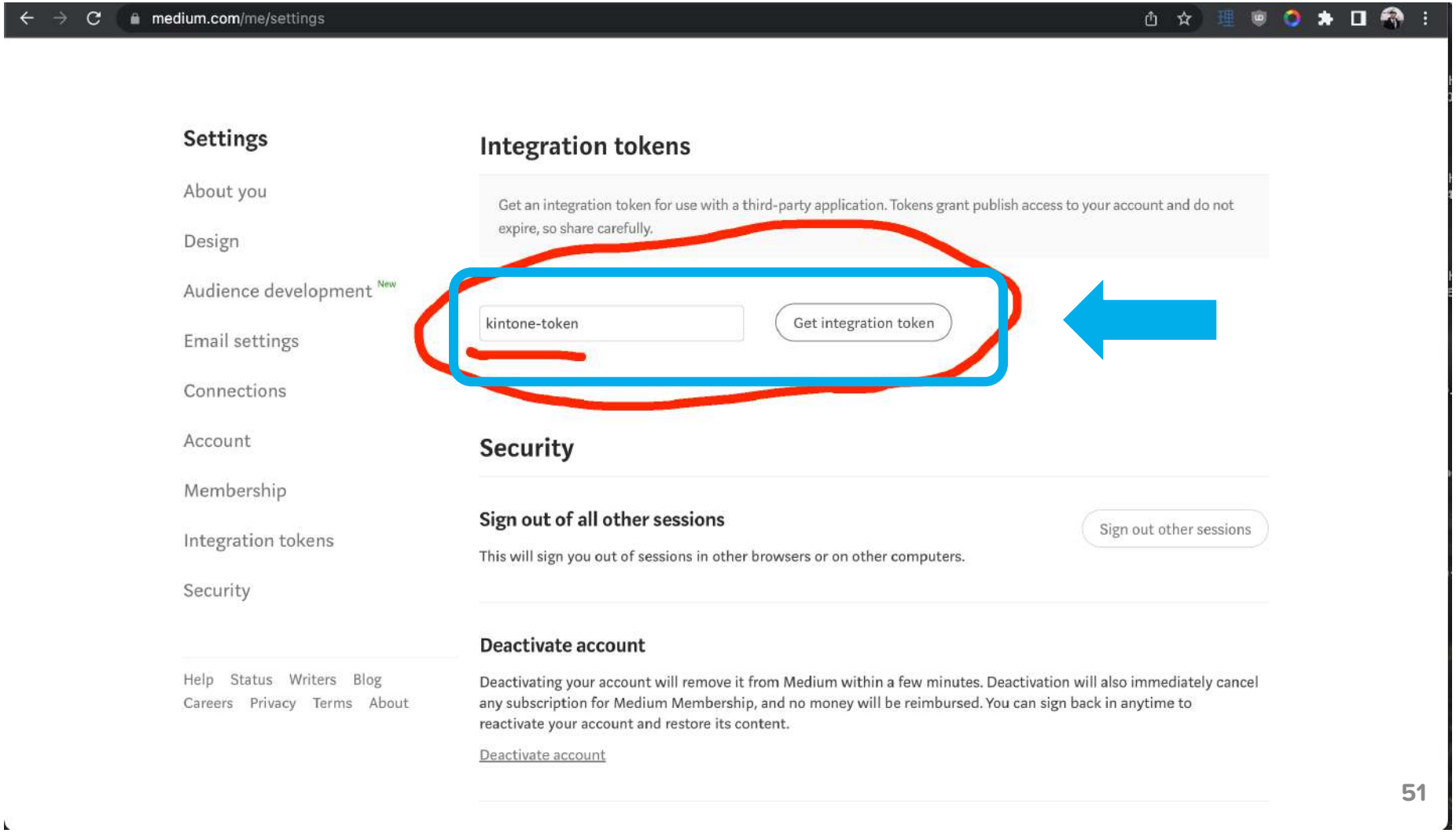
Click on "integration tokens" and create a new token. Copy and paste it into your .env file.



Where to get my API Token?

Navigate to your Medium Account's [Settings Page]

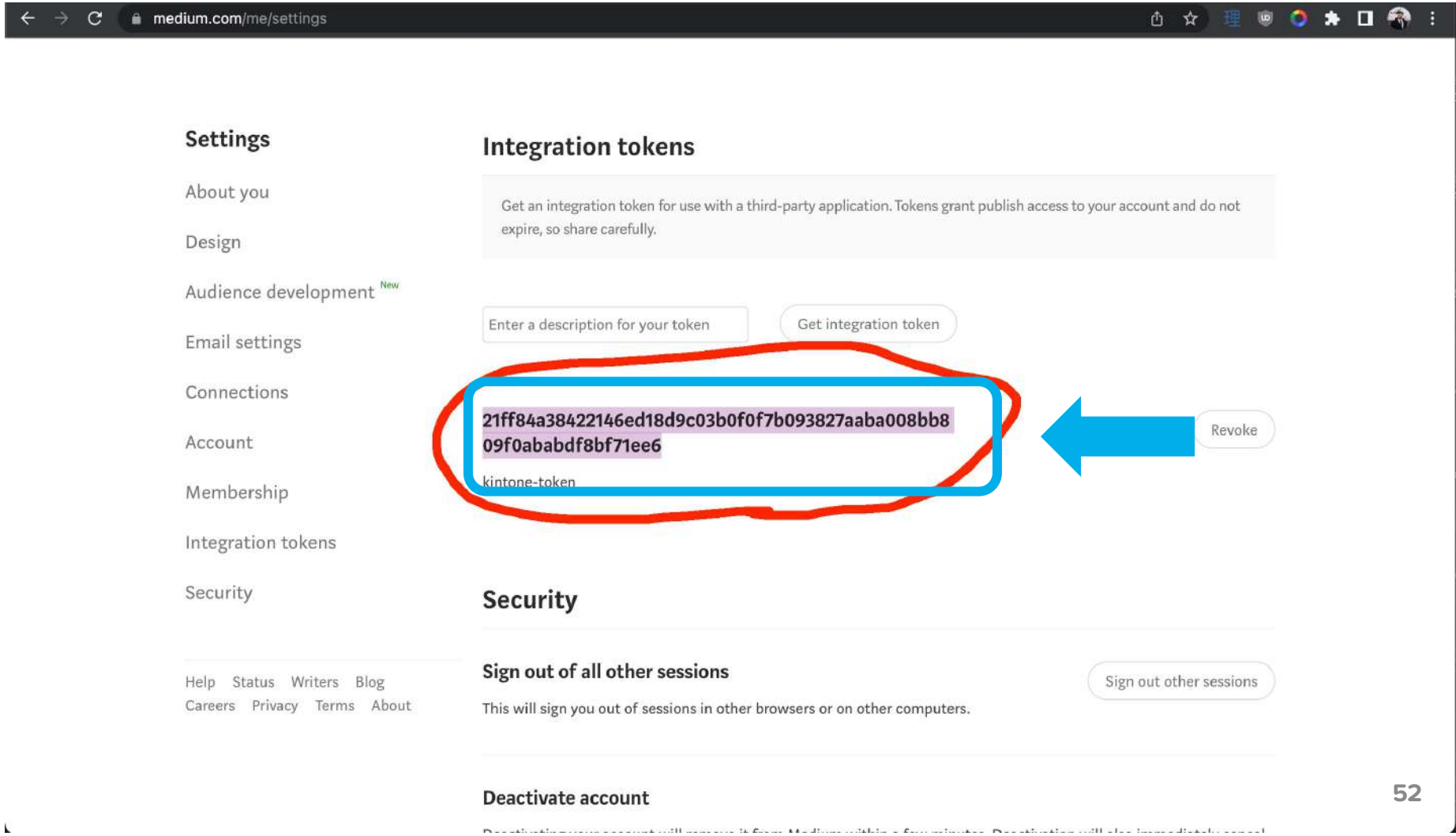
Click on "integration tokens" and create a new token. Copy and paste it into your .env file.



Where to get my API Token?

Navigate to your Medium Account's [Settings Page]

Click on "integration tokens" and create a new token. Copy and paste it into your .env file.



Where to get my Author ID?

Use the following curl command in your terminal, substituting your API Token:

```
curl -H "Authorization: Bearer MY_API_TOKEN" https://api.medium.com/v1/me | json_pp
```

```
curl -H "Authorization: Bearer
2d6755756a12c743b4312f85fad0246a7953c68b78ef19c9efef134ef6dd8a429"
https://api.medium.com/v1/me | json_pp
```

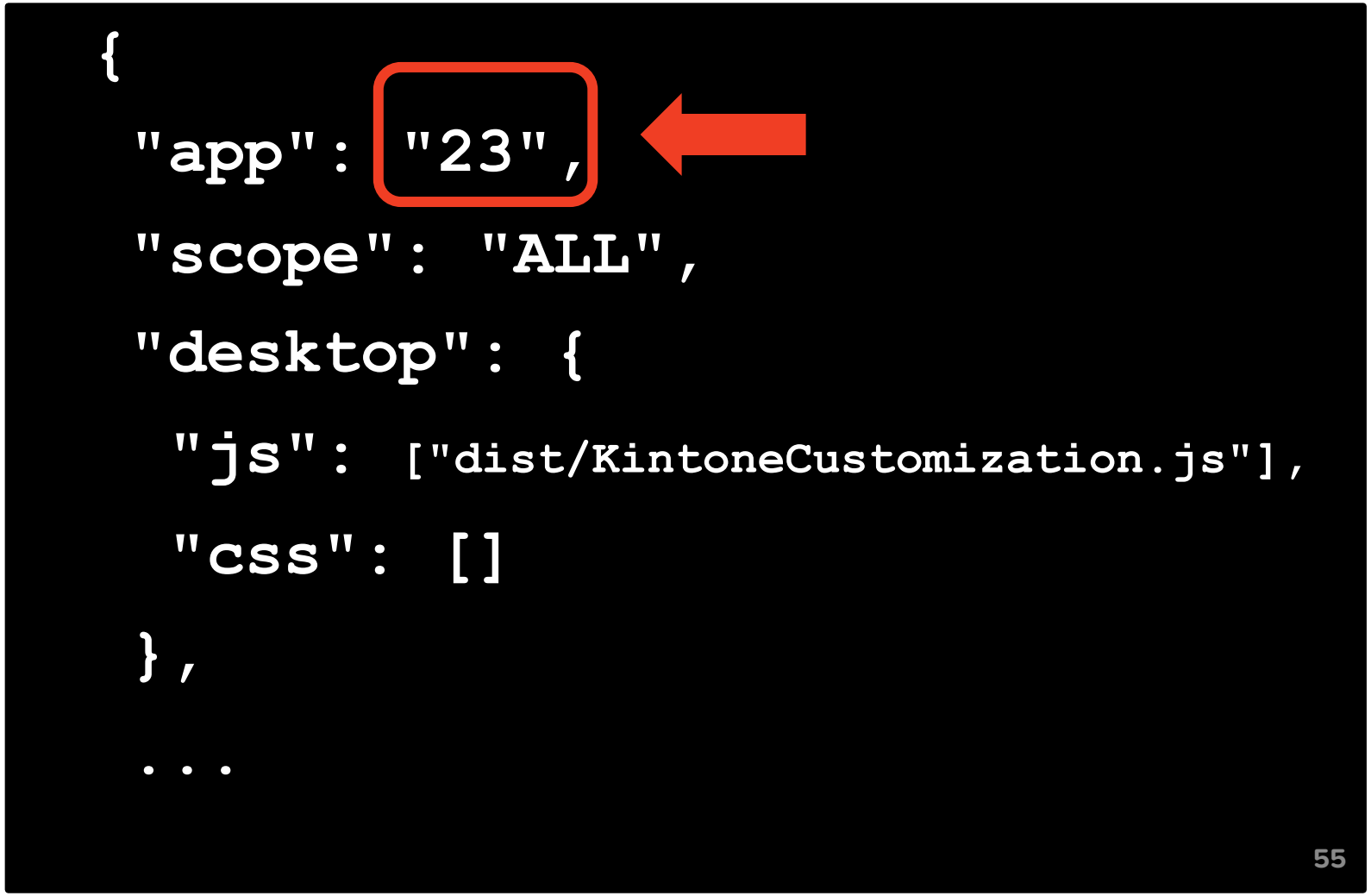
Where to get my Author ID?

This will return
your Author ID:
Copy and paste it
into your .env file


```
{
"data" : {
"id" : "1df66a8dd2779709d3ca3b3526a4a0190972b8fe95afc7412eebdc4d0030f0549",
"imageUrl" : "https://cdn-images-1.medium.com/fit/c/400/400/1*YfWnpcmJZnwmHpO-bSnzNA.png",
"name" : "Kintone Developer Relations",
"url" : "https://medium.com/@kintone_devrel_jp",
"username" : "kintone_devrel_jp"
}
}
```

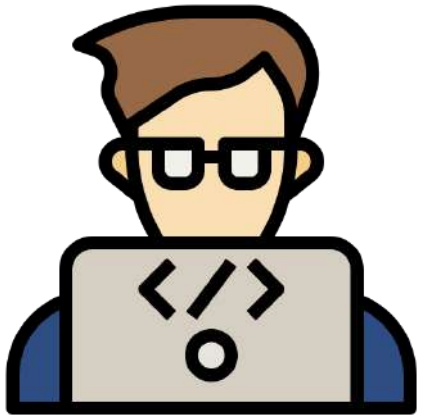
Go inside the customize-manifest.json file

- **customize-manifest.json** file is Kintone Customize Uploader's configuration file
- Replace the **23** with your App's ID
- If it is your first Kintone App, it would be **1**

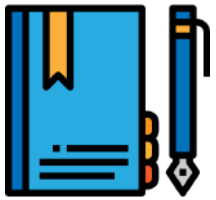


Time to Explore the Code

1. Code Overview
2. Format the data to POST to medium
3. Create a button in our Kintone App
4. POST to medium API when the button is clicked



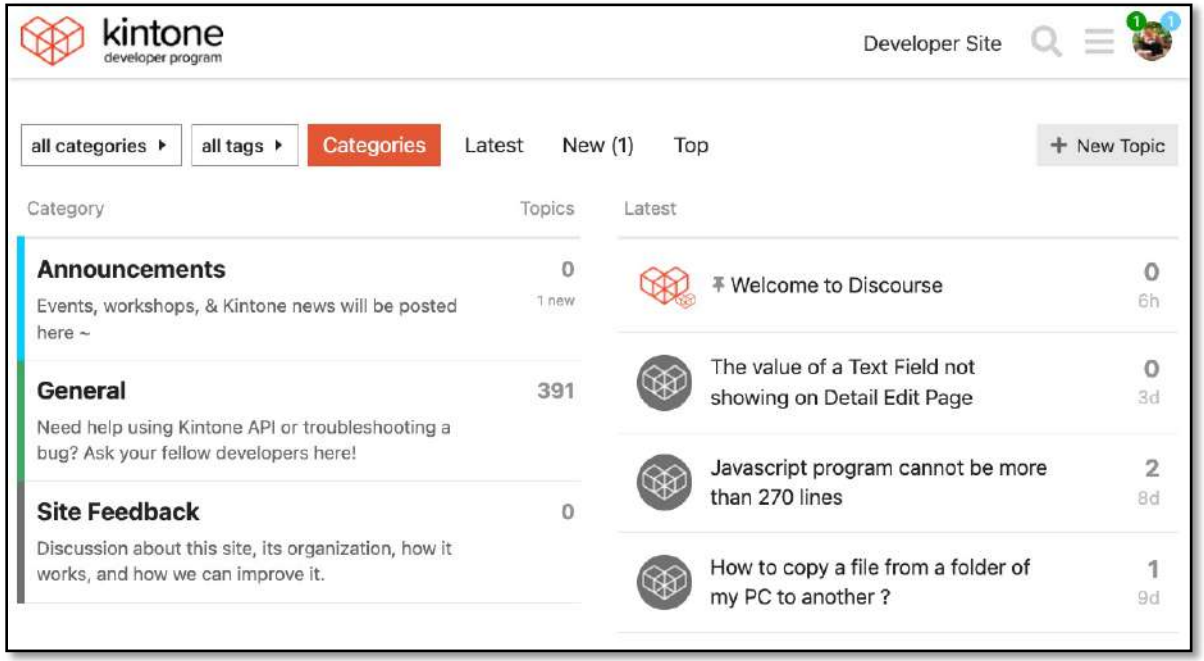
Next Steps



- **Challenges - Next Step for You**
- Tags: The tags field of our API POST body are hard coded right now. Try to add a Multi-choice field to your kintone app, and pull the tags for an article from there.
- Refactor the app to a reactive, stateful framework: Right now, our app has no “state”. By using a custom view, a reactive framework like React expanding the app will become much easier.
- Show a spinner while the API call is in progress
- Notify the user when the upload fails, and why. Hint: Right now our kintone.proxy function in /src/requests/post_api.ts is simply logging success or error codes to the console.
- The Medium API supports image uploading as well. Write a new API call that uploads an image, gets the URL of that image, and then inserts it into the markdown of your post before publishing.
- Story successfully published? Try to disable the publish button based on the status of the record! Hint: You don’t need any code, just use Kintone’s settings!

Where Can I Get Help?

If you're stuck, share your code on the Kintone Developer Community forum or on Stack Overflow!



stackoverflow

Any Questions?

developer.kintone.io

Thank You!

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For every friend you invite & joins the workshop, you will receive an additional entry in the Amazon Gift Card raffle!

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our YouTube Channel!

Our past workshops are posted as well:
Charts: Bubble Cloud, Word Cloud
Introductions: REST API, JS Promise, React x Kintone

bit.ly/KDP_Video

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