



Recording will  
be on YouTube

# Welcome to the **React x Web Database Workshop!**

Download  
Code & Slide

[bit.ly/REACT\\_GET](https://bit.ly/REACT_GET)

git clone the  
GitHub Repo



Sign up for  
the following

#1 Developer Account  
[bit.ly/KDP\\_signup](https://bit.ly/KDP_signup)

#2 Kintone Subdomain  
[bit.ly/K\\_DevLic](https://bit.ly/K_DevLic)



Asking Questions  
& Raising Hands

Post questions in  
the chat anytime!

Include your code  
& error messages.



\$25 Gift Card  
Raffle at the End

**Get Started**

First, let's download the [ahandsel/React\\_Workshop\\_by\\_Kintone Repo](https://github.com/ahandsel/React_Workshop_by_Kintone) the folder.

```
cd Downloads
```

```
git clone https://github.com/ahandsel/React_Workshop_by_Kintone
```

```
cd React_Workshop_by_Kintone
```

Run these commands  
from your terminal

```
ls
```

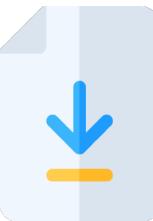
```
README.md
```

```
backend
```

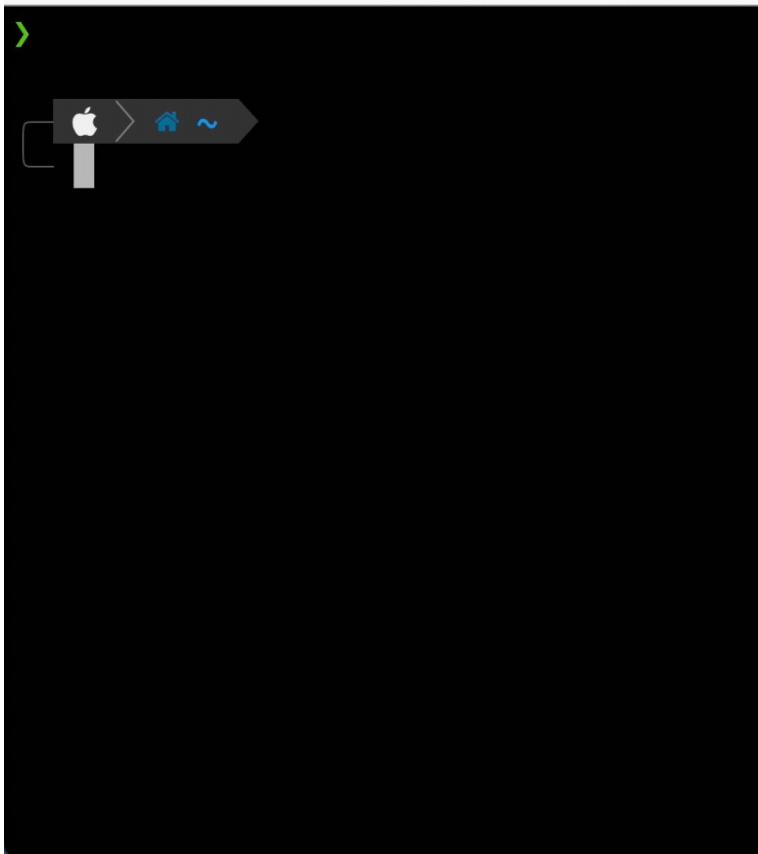
```
frontend
```

We will use this repo as  
the starting point

Inside there should be two folders ( frontend & backend ) and a README file.



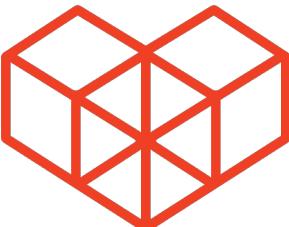
# Download the Code & npm install



```
cd Downloads  
git clone https://github.com/  
ahandsel/React_Workshop_by_Kintone  
  
cd React_Workshop_by_Kintone  
  
cd frontend  
  
npm install
```



# #1 - Sign Up for Developer Account



[bit.ly/KDP\\_signup](https://bit.ly/KDP_signup)

⚠ Do NOT use Safari ⚠

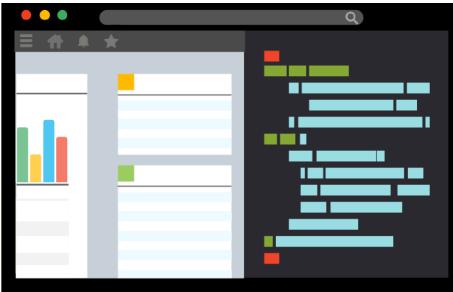
⚡ Accept Cookies First ⚡

✓ Chrome & Firefox works ✓

The screenshot shows a sign-up form for the Kintone Developer Program. At the top, there's a header with the Kintone logo and a search bar. Below the header, a banner features a giraffe and the text "Welcome to the source of innovation". The main form area has a heading "Sign up to Kintone Developer Program" followed by a descriptive text: "Please fill out this form, and we'll send you a welcome email so you can verify your email address and sign in." There are two input fields: "Your full name \*" and "Your email \*". Below these is a reCAPTCHA field with the text "I'm not a robot" and a checkbox. A large blue "Sign up" button is at the bottom, and a "Cancel" link is in the bottom right corner.



# #2 - Create a Kintone Subdomain



[bit.ly/K\\_DevLic](https://bit.ly/K_DevLic)

⚠ No Special Characters ⚠

⚡ Name your Subdomain with only ⚡  
lowercase [a-z], numbers [0-9],  
& hyphens [-]

✓ e.g. weekend-hacker, coffee4life ✓

**Terms of Service for the Developer License**

The account holder of this developer program who applies for the license (hereinafter referred to as "User") must comply with all of the provisions and the following conditions set out by Kintone Corporation (hereinafter referred to as "Kintone"), who will provide a Kintone developer license to the User.

[Kintone Developer License Terms of Service](#)

**Developer License Application Form**

First Name\*

Last Name\*

Email\*

Company Name\*

Create your Kintone Developer License subdomain (lowercase, numbers and hyphens only)\*  
*For example: mydomain, coffee-lovers*

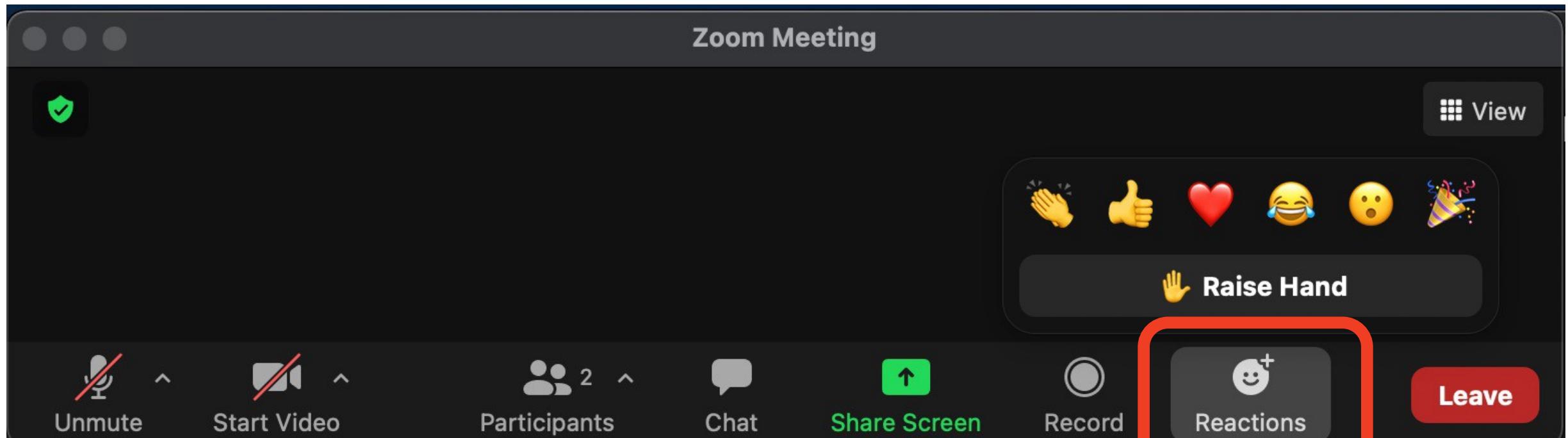
I agree with the [Kintone Developer License Terms of Service\\*](#)

protected by reCAPTCHA Privacy - Terms

[Sign Up](#)



# Let's Practice using Zoom's Reactions



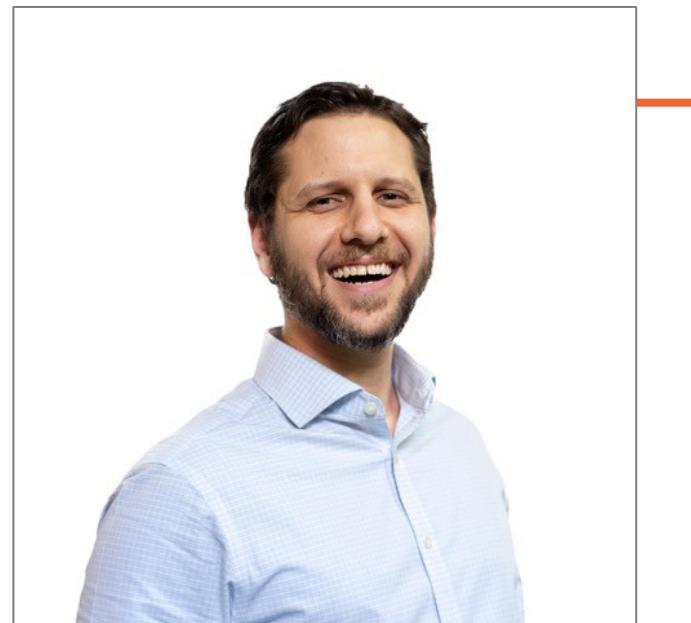
This helps us out who to look out for throughout this workshop.



# Hello From Kintone

**Nim**

Technical Evangelist



**Will**

Developer Advocate

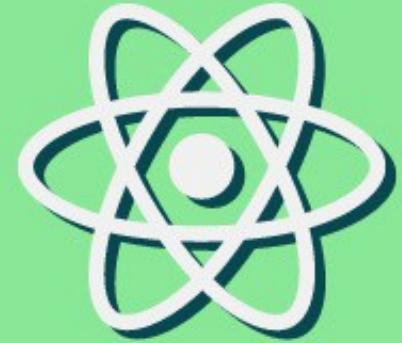


**Genji**

Developer Advocate



# React & REST API Workshop



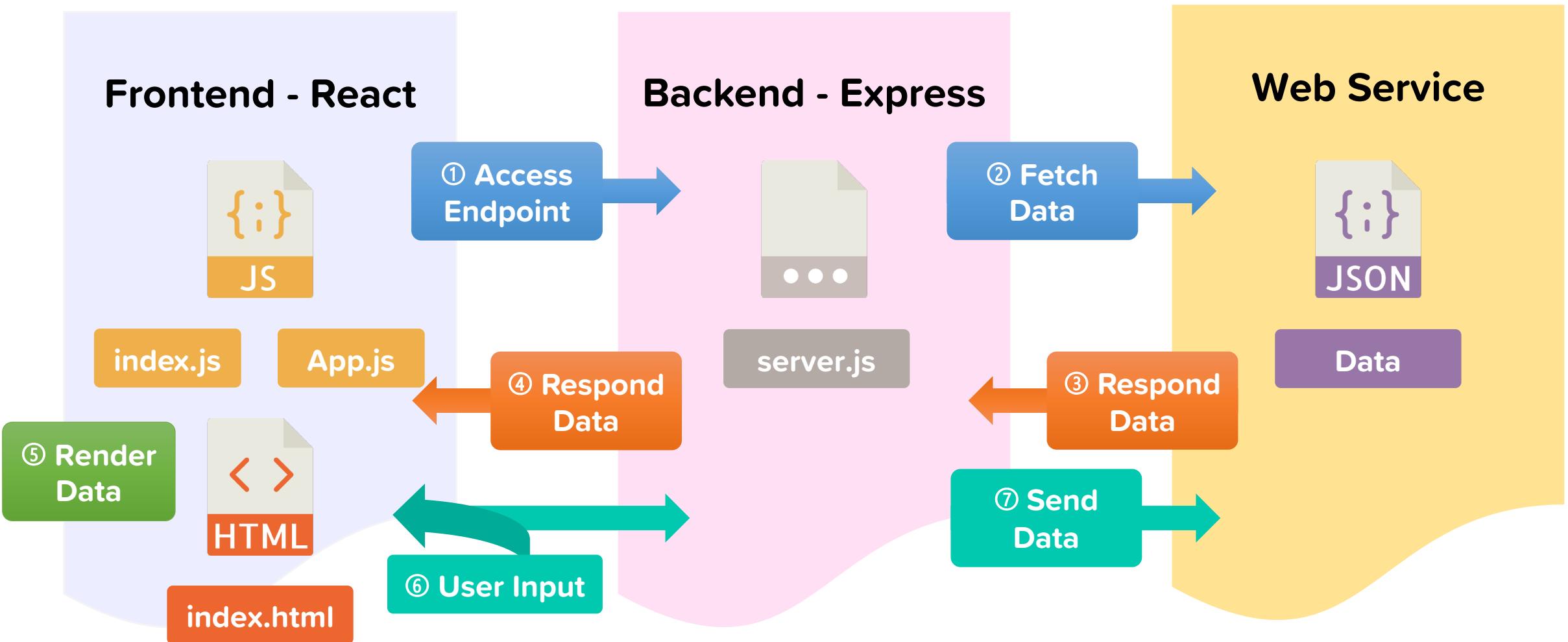
**GET & POST Data to  
a Web Database!**

FREE ONLINE WORKSHOP





# What We Will Make Today



# What We Will Make Today

React App Manga DB - Goal - Records +

devevents.kintone.com/k/28/ kintone Genji Guest Search in App

Manga DB - Goal App: Manga DB - Goal

List View Records 1 - 8 of 8

Title	Alternative Title	Author	Genre	
Undead Unluck	Undead Unluck	Yoshifumi Tozuka	Action	/ X
Golden Kamuy	Golden Kamuy	Satoru Noda	Action Comedy	/ X
Hachiwan Diver	81 diver	Yokusaru Shibata	Action Comedy Sports	/ X
Kimetsu no Yaiba	Demon Slayer	Koyoharu Gotouge	Action	/ X
Batuque	Batuque	Toshio Sako	Action	/ X
Usogui	The Lie Eater	Toshio Sako	Action Gambling	/ X
Gunnm	Battle Angel Alita	Yukito Kishiro	Action Cyberpunk	/ X
Ouran High School Host ...		Bisco Hatori		/ X

Records 1 - 8 of 8

# Download the Repo

```
cd Downloads  
  
git clone https://github.com/  
ahandsel/React_Workshop_by_Kintone  
  
cd React_Workshop_by_Kintone  
  
ls  
  
Code .
```



# Check Node.js & npm version

## Check the versions

Check the versions in  
*React\_Workshop\_by\_Kintone*

```
$ node -v  
$ npm -v
```

Required for React:

Node ≥ 10.16 & npm ≥ 5.6

## If missing, install

New to Node.js?  
Check out README's [Guide on Installing Node.js & npm](#) section

There is a companion video:



[youtu.be/4Kw-i\\_rX3tY](https://youtu.be/4Kw-i_rX3tY)

# Open a Terminal Per Folder

Both Terminals

```
> cd ~/Downloads  
> cd React_Workshop_by_Kintone
```

Terminal 1 – frontend

```
> cd frontend  
  
npm install  
  
npm start
```

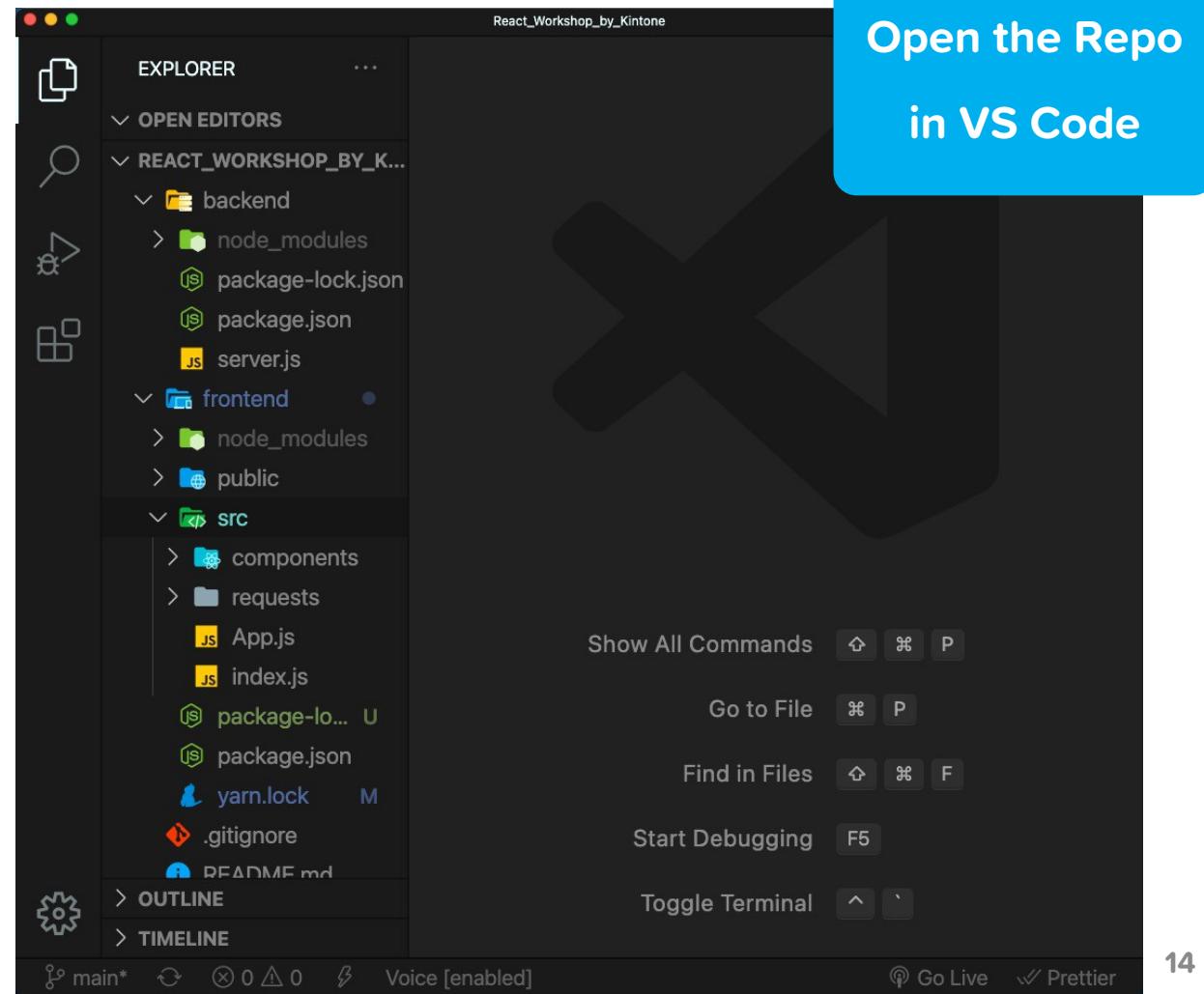
Terminal 2 - backend

```
> cd backend  
  
npm install  
  
npm start
```

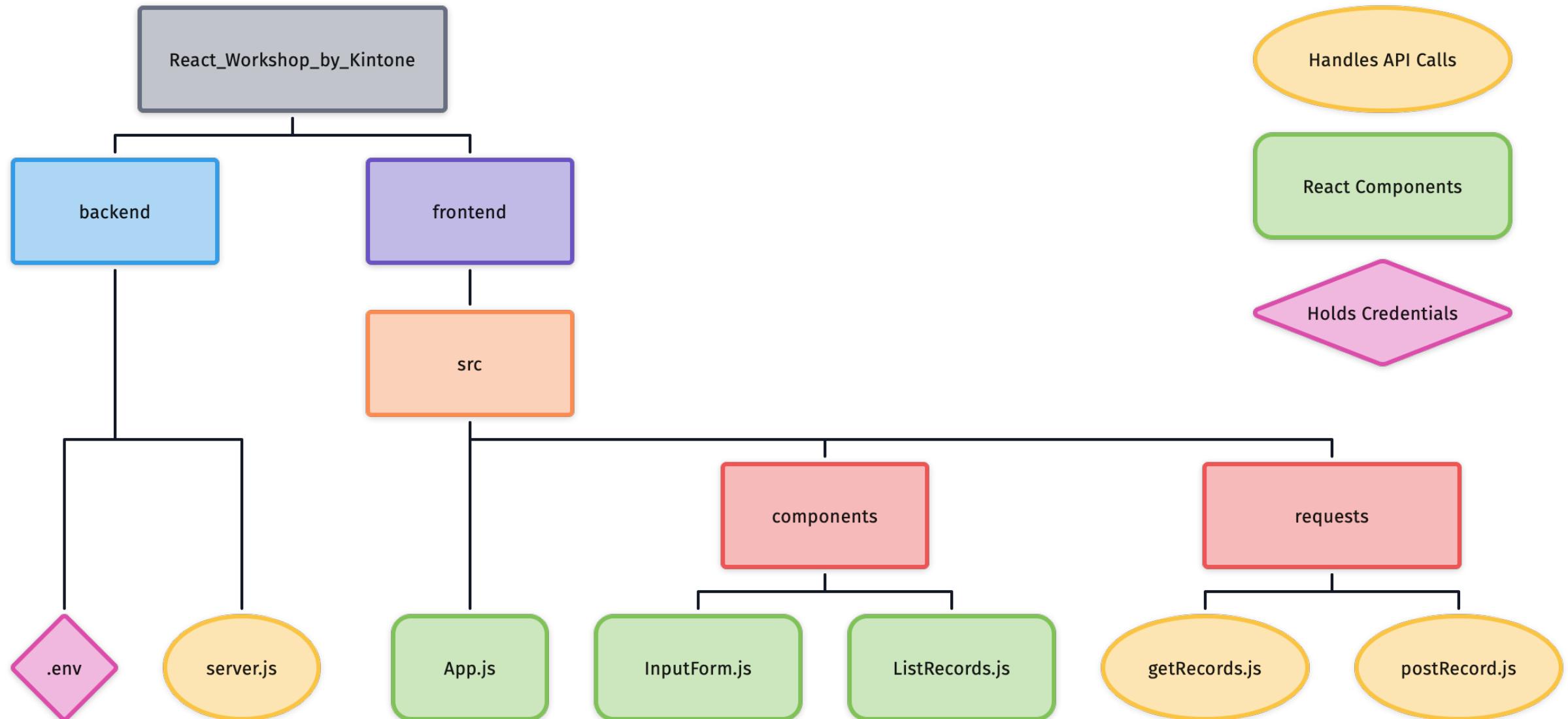
# Overview of the Repo

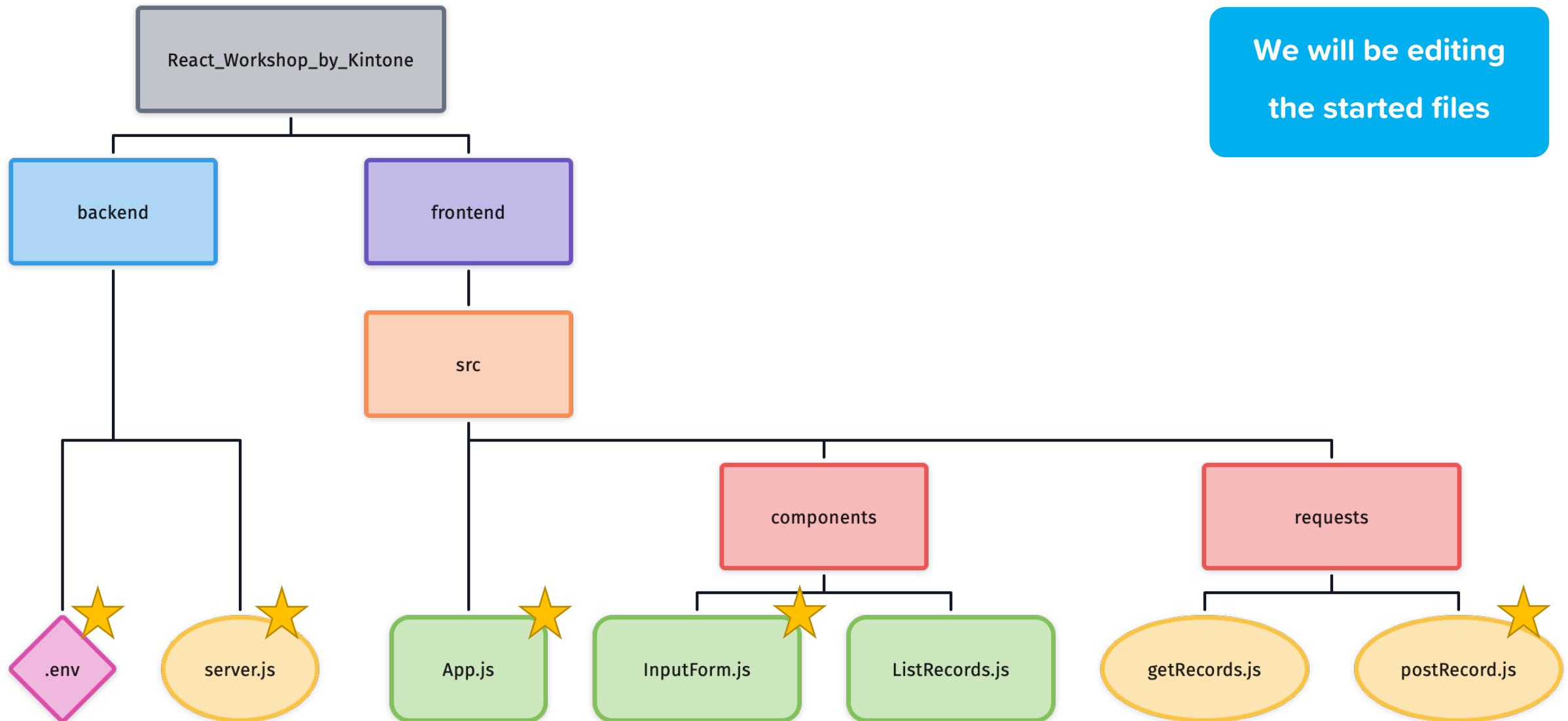
```
React_Workshop_by_Kintone/
└── backend/
    ├── .env.example
    └── server.js
└── frontend/
    ├── public/
    │   └── index.html
    └── src/
        ├── App.js
        ├── index.js
        └── components/
            ├── InputForm.js
            └── ListRecords.js
        └── requests/
            ├── getRecords.js
            └── postRecord.js
```

Files We Will  
Look Inside

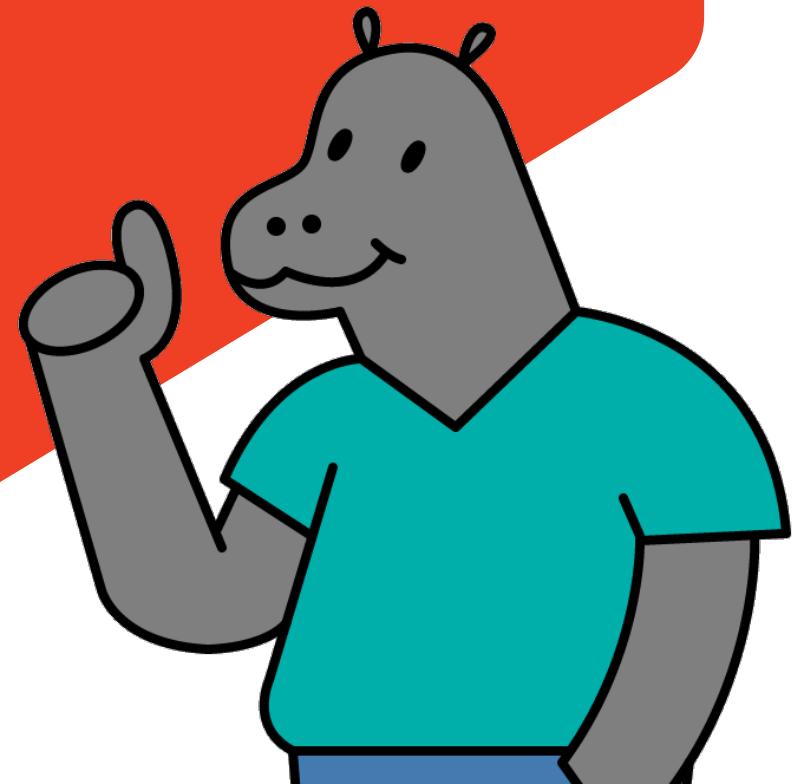


Open the Repo  
in VS Code



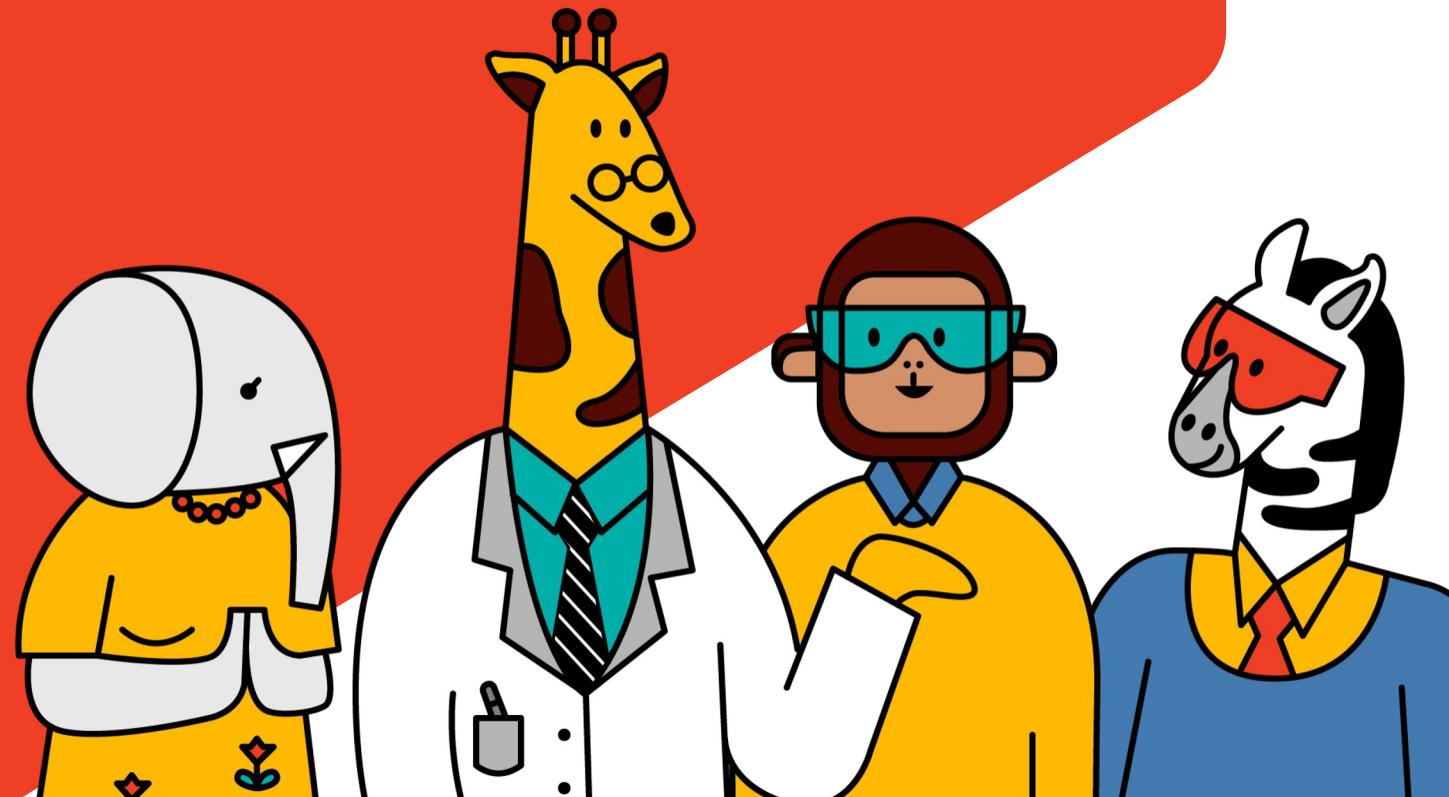


# Quick check-in with Zoom polling



# What is Kintone?

Built for teamwork,  
designed by you



# What is Kintone?

The screenshot displays the Kintone interface with several sections:

- Customer Database:** Shows a grid with three items: Admin:Green, Admin:Green, and Admin:Green.
- Sales Leads:** Shows a grid with three items: Admin:Green, Admin:Green, and Admin:Green.
- Contact Log:** Shows a grid with three items: Admin:Green, Admin:Green, and Admin:Green.
- Threads:** A list of threads including "Deal Flow" (Apr 3 11:24 AM), "Sales Division" (Apr 1 11:49 PM), and "Monthly Reports" (Apr 1 11:45 PM).
- Apps:** A list of applications including Vendor Database, Item Database, Product List, Invoices, Seminar Survey, Attendee Lists, Event Calendar, Activity Log, Sales Leads, and Customer Database.
- People:** A list of members including Hiroko ..., Mary Si..., John S..., Rudy Red, Polly Pink, Bill Blue, Glen Gr..., Paul Gray, Mark Pe..., and Dannie ....

**Dashboard:** Features two charts:

- A bar chart titled "[Of] Sales Leads: Monthly Expected Sales (per priority)" showing sales for Middle, High, and Low priorities from April 2019 to March 2020.
- A pie chart titled "Total(Amount)" showing the distribution of total amount by creator type: Form Creator (\$630, 4.5%), Viewer (\$1440, 10.3%), T/C (\$1950, 14.0%), Int Creator (\$4202, 30.1%), and kintone (\$5718, 41.5%).

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

# Where Kintone is Special!



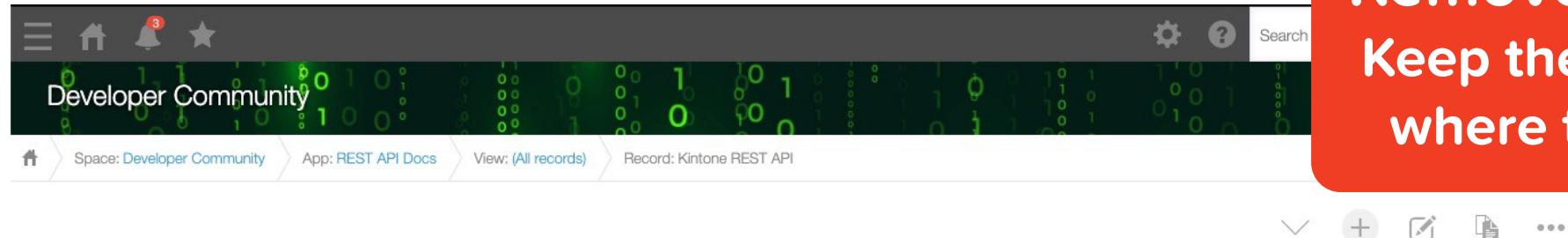
# Missing - Unified Communication

## 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

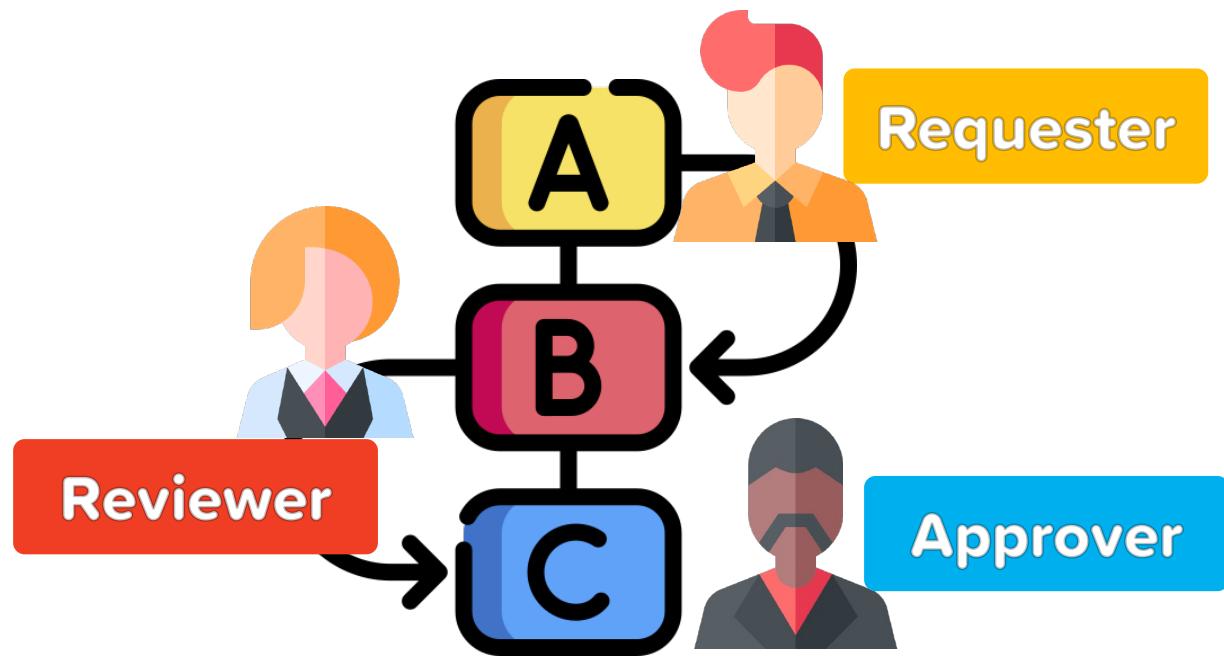
A screenshot of the 'REST API Docs' section of the Kintone developer community. It shows a form for creating a new API entry. The fields include: 'EN Section' (set to 'API Info'), 'EN API Group' (set to 'Kintone REST API'), 'EN Method' (set to 'GET'), 'EN API Name' (set to 'Get API Schema'), 'EN URL (Endpoint)' (set to '/k/v1/apis/\*.json'), and 'EN Article Link' (set to 'https://developer.kintone.io/hc/en-us/articles/115006107628'). Below this, a 'Fix History' table is shown, which has one row with a date of 'Aug 27, 2020' and a user 'Clare - Support'. To the right of the table, there are two screenshots of a 'Get API Schema' page, labeled 'Before' and 'After', showing the changes made to the API schema. A 'Fix Details' section below the screenshots lists: 'Fixed the GET API List API link' and 'Added apis.{key}.link'.

A screenshot of a communication thread in the Kintone developer community. The thread starts with a message from '3: Clare - Support' (@Sharon - Developer @Genji) at 1:29 AM on Aug 27, 2020, saying 'Done!'. Below it, '2: Sharon - Developer @Genji' replies at 1:28 AM, saying 'Oh, shoot, thanks for catching my mistake!'. '3: Clare - Support' then asks 'Please fix the Fixed the GET API List API link'. Finally, '1: Genji' replies at 1:27 AM, asking 'Please take a look at this document.' There are like and reply buttons for each message.

Where  
Communication  
Lives

# Workflow

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



Developer Community

Space: Developer Community App: KDP Event View: Summary Record: No Server Data Visualization: Build a W

Assign Reporter Change Assignee

Next Status:  
Writing Report

Select Assignee:

- Genji
- Sharon - Developer
- John - Manager
- Clare - Support

Cancel Confirm

Write your comment here.

Community

Project

Support

Event Image

No Server Data Visualization JS Build a Word Cloud!

1: Genji @Sharon - Developer They together such a great w

Like Reply

# Kintone Apps

The screenshot shows the Kintone Shared To Do app interface. At the top, there's a navigation bar with icons for home, search, and settings, along with a 'Search in App' field. Below the header, the title 'Shared To Do' is displayed, followed by a breadcrumb trail 'App: Shared To Do'. A descriptive text block states: 'To Do App with Process Management feature. All tasks assigned to you can be viewed under "Assigned to me" section on the portal page. Always be organized and on time by setting up reminders and visualizing team's progress through snazzy graphs.' The main area features a table with the following data:

To Do	Priority	Due date	Status	Details	Attachment
Define requirements	Medium	Apr 05, 2019	In progress	Please start defining the requirements for our ne...	/ X
Research vendors	Medium	Apr 08, 2019	Complete	Find at least 3 vendors and summarize their pro...	/ X
Send invoice to customer	High	Apr 11, 2019	Assigned		/ X
Define scope	Low	Apr 12, 2019	Assigned	XYZ Project would be a long project divided into...	/ X
Map out schedule	Low	Apr 19, 2019	Assigned		/ X

At the bottom of the table, it says 'Records 1 - 5 of 5'. The interface also includes a toolbar with buttons for 'My To Do', a graph icon, a filter icon, and a list icon.

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

Sales & Leads > Settings

Last Updated: Mary Simpson 12:10 AM

Sales & Leads

Form Views Graphs App Settings

Save Form

Leads & Sales

Lead Title Sales Representative

Contact Info

Company Name Website

Contact Name Job Title

Email Telephone Number

Product Name Product ID Unit Price Quantity

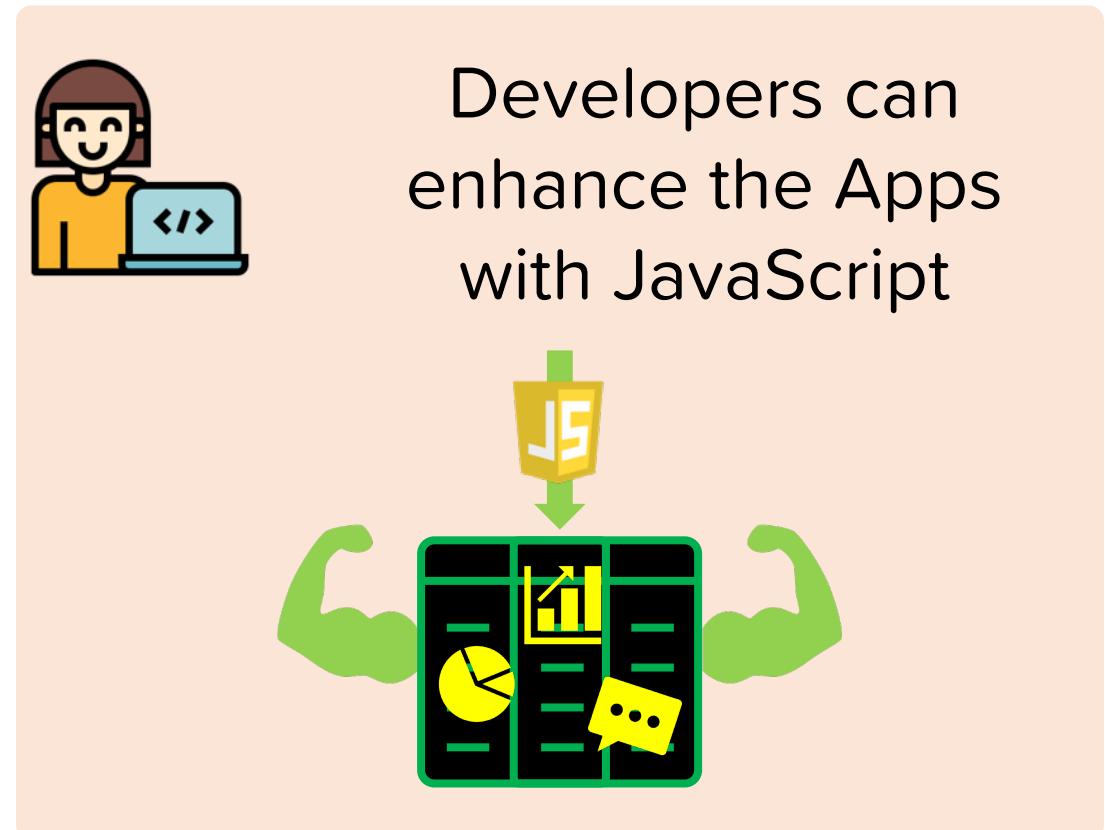
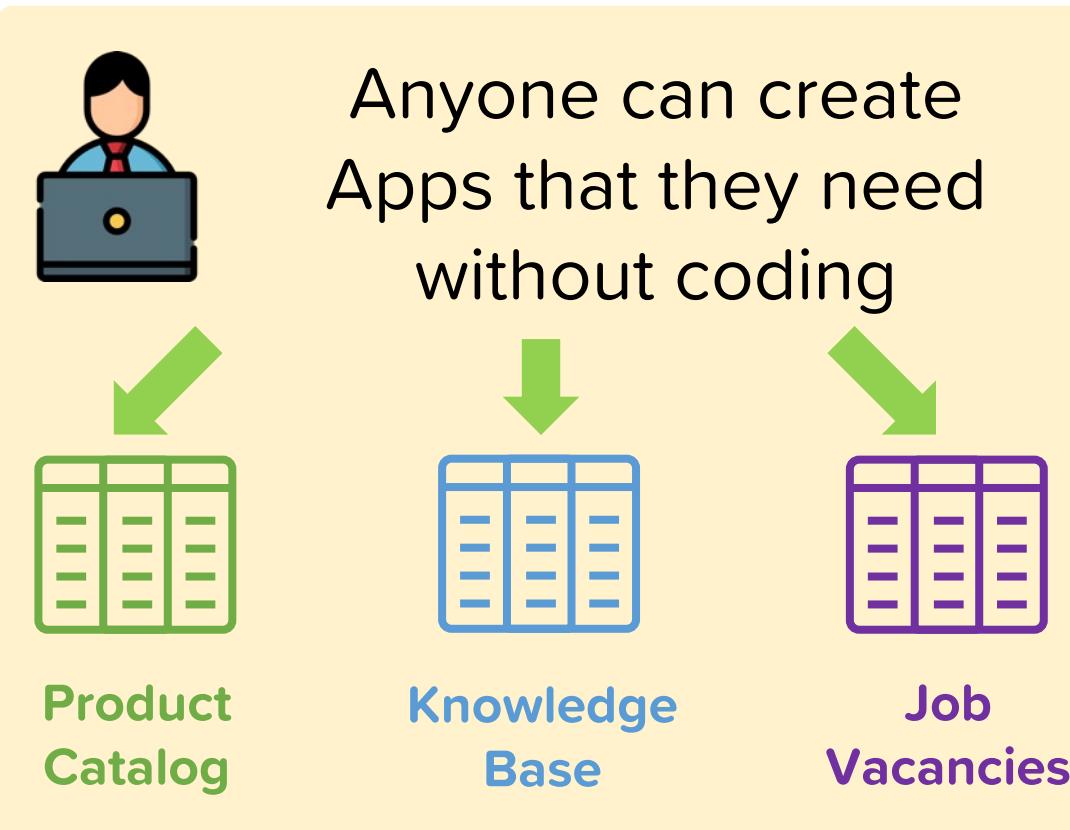
The screenshot shows the Kintone app builder interface for a 'Sales & Leads' application. At the top, there's a navigation bar with 'Sales & Leads > Settings'. Below it, a toolbar has buttons for 'Discard Changes' and 'Update App'. The main area is titled 'Leads & Sales' and contains a form with fields for 'Lead Title' and 'Sales Representative'. Under 'Contact Info', there are fields for 'Company Name' and 'Website', with a 'Lookup' button. Below that, there are fields for 'Contact Name' and 'Job Title'. At the bottom, there are fields for 'Email' and 'Telephone Number'. A footer row includes columns for 'Product Name', 'Product ID', 'Unit Price', and 'Quantity'.

**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!

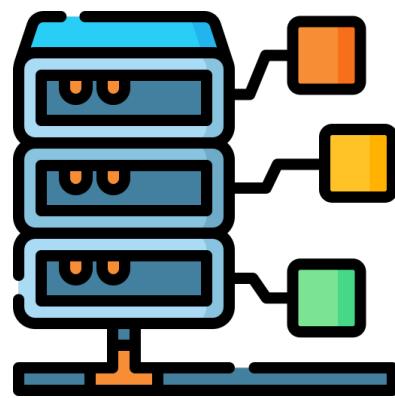
As a **no-code & low-code platform**, Kintone supports non-coders with visual programming UI while enabling sophisticated customization



# Fulfill the Promise of *Groupware*

Share meaningful insights about the data that become operationalized quickly.

**Data + Communication**



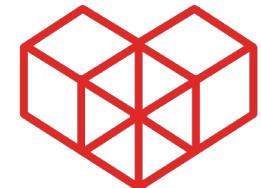
**Insight**



**Action**



# How Developers Contribute

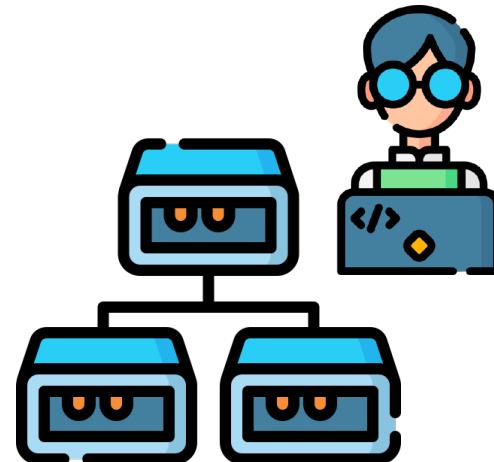


**kintone**  
developer program

# How Developers Contribute

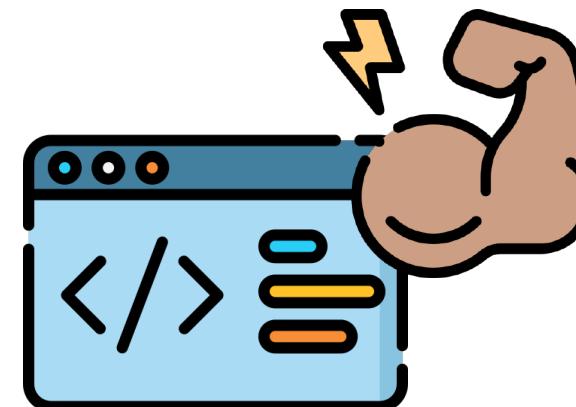
## Command Center

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



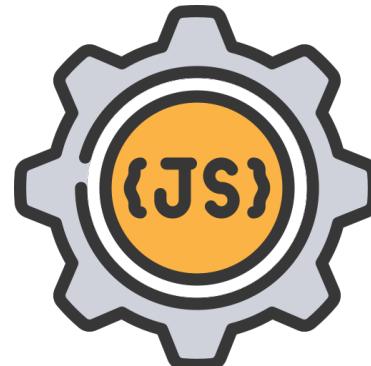
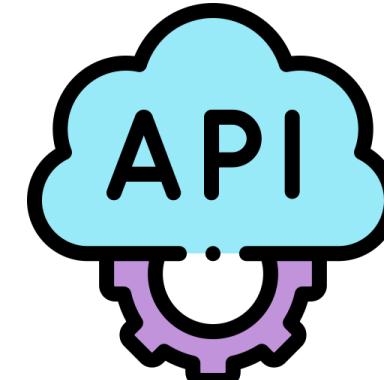
## Enhancements

- Develop JavaScript customizations
- Build & share extensions



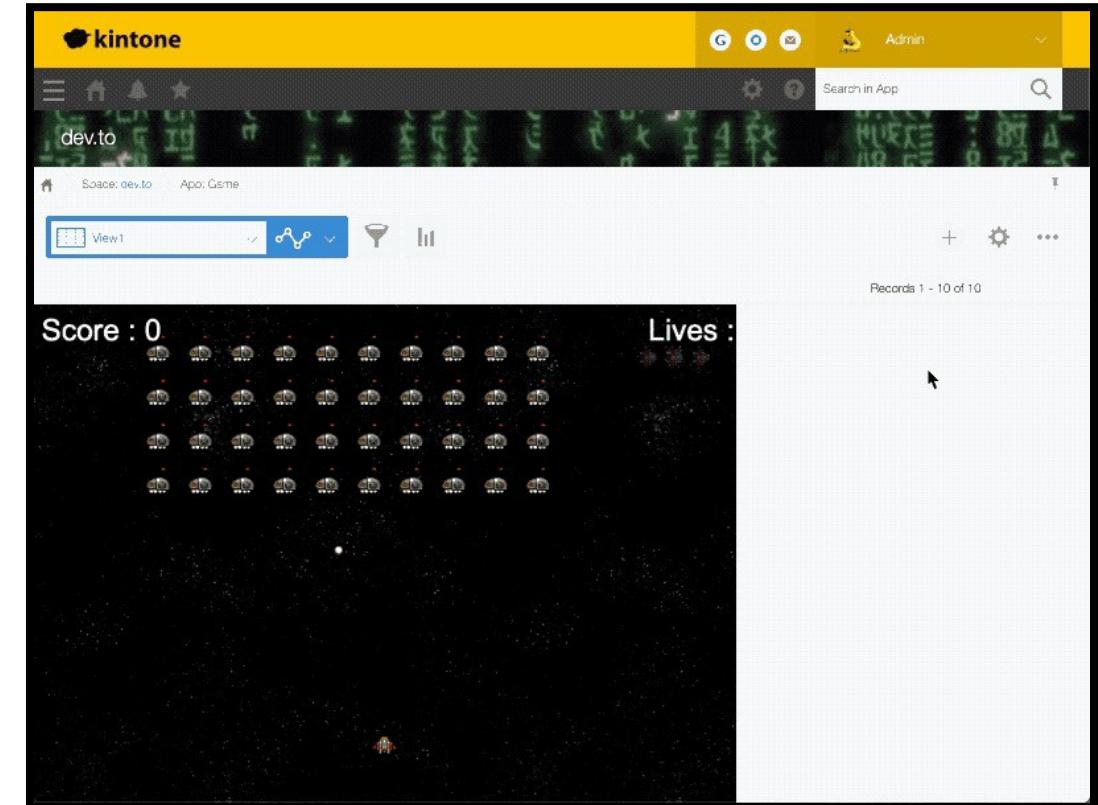
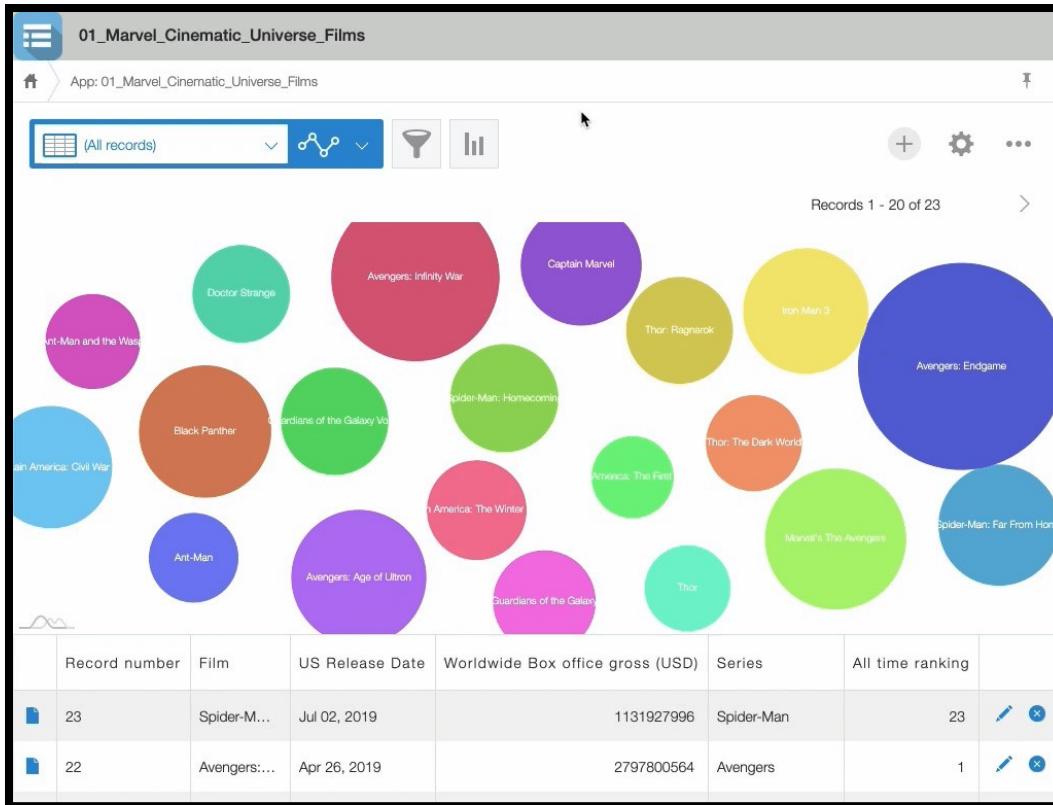
# Tools Inside Kintone

- 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!

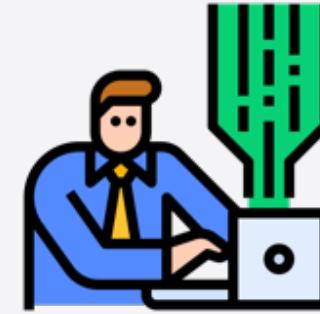
# Kintone For Creating Revenue



Create & sell  
Kintone  
extensions



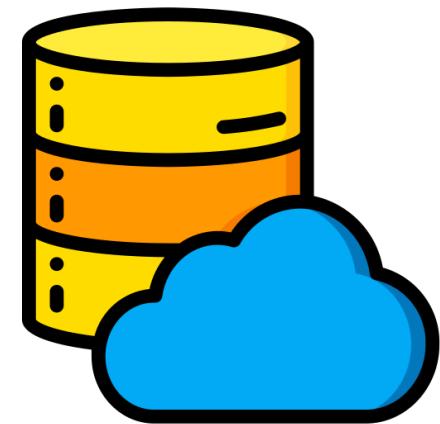
Consult with firms  
on achieving  
business goals



Develop Kintone  
customizations for  
customers

# Let's Create a Kintone Database App

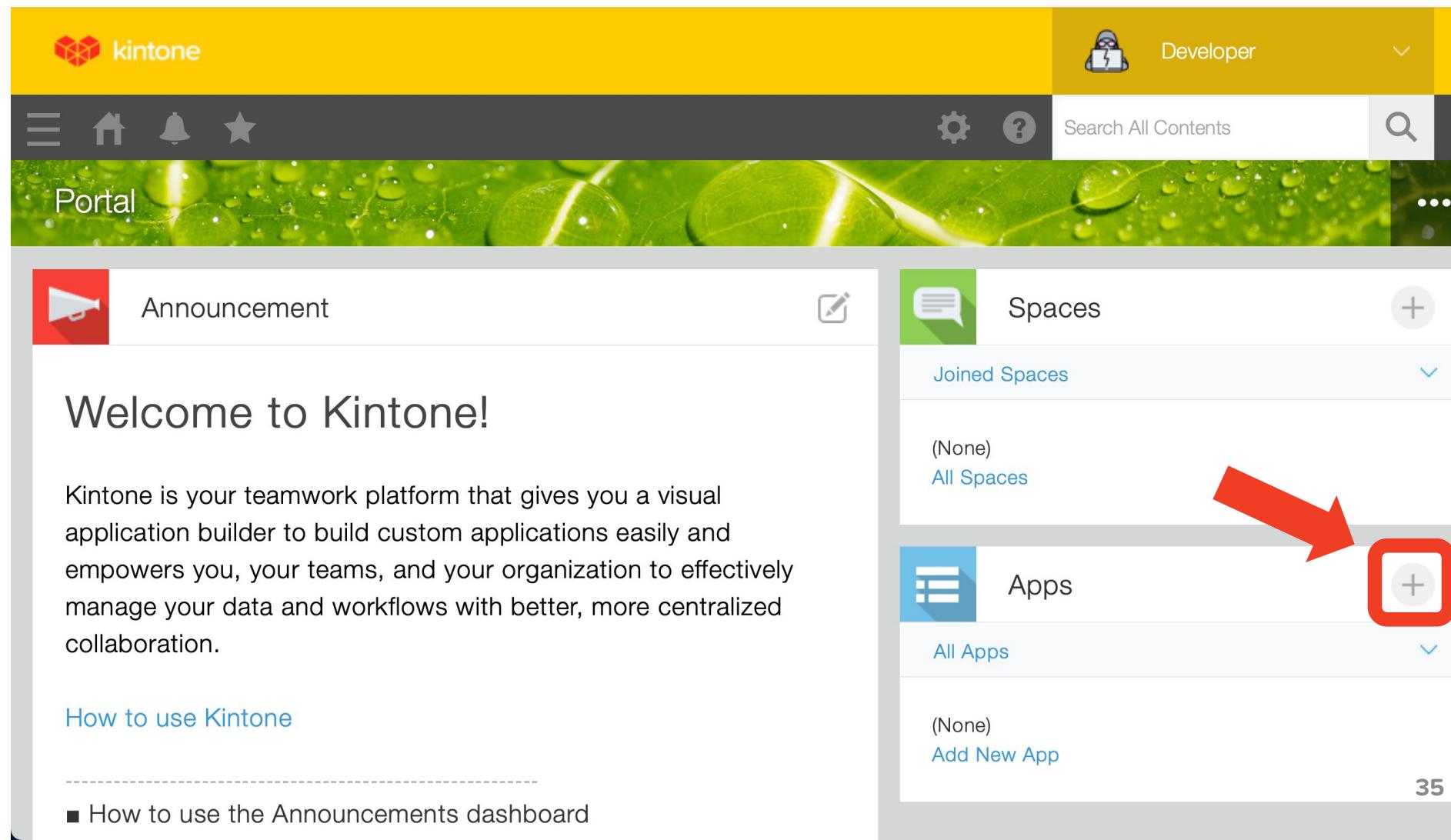
Step-By-Step Guide



# Create a Kintone Database App

From the Portal screen

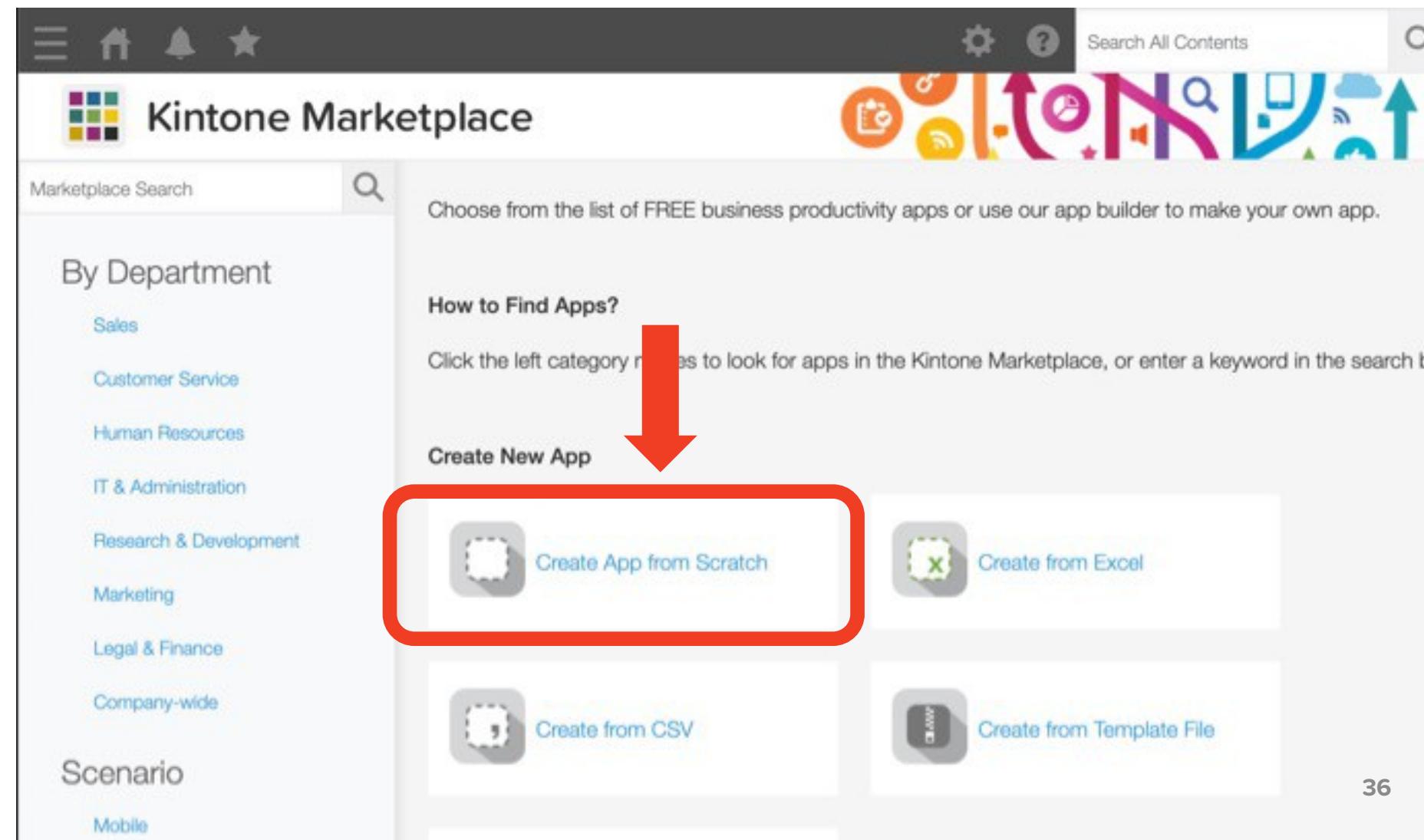
Click the **[+]** button on the Right side



# 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  
"Manga DB"

The screenshot shows the kintone 'New App' creation interface. At the top, there is a yellow header bar with the kintone logo and a 'Developer' icon. Below the header is a dark navigation bar with icons for Home, Bell, and Star. On the right side of the navigation bar are settings, help, and search icons. The main area has a breadcrumb path: Kintone Marketplace > New App > Settings. A large blue button labeled 'New App' is prominently displayed. Below it, a note says 'Notes for app administrators' does not exist ([Create](#))'. There are four tabs at the top of the main content area: 'Form' (green), 'Views' (selected, grey), 'Graphs', and 'App Settings'. Under the 'Views' tab, there is a green 'Save Form' button. To its right is a large area with a grey arrow pointing downwards and the text 'Drag and drop fields here.' Below this area is a grid of field types: Label, Text, Rich text, Text area, Number, Calculated, Radio button, Check box, Multi-choice, Drop-down, Date, Time, and Date and time. Each field type has a small icon and a delete icon.

Kintone Marketplace > New App > Settings

New App

Notes for app administrators does not exist ([Create](#))

Form Views Graphs App Settings

Save Form

Label Text

Rich text Text area

Number Calculated

Radio button Check box

Multi-choice Drop-down

Date Time

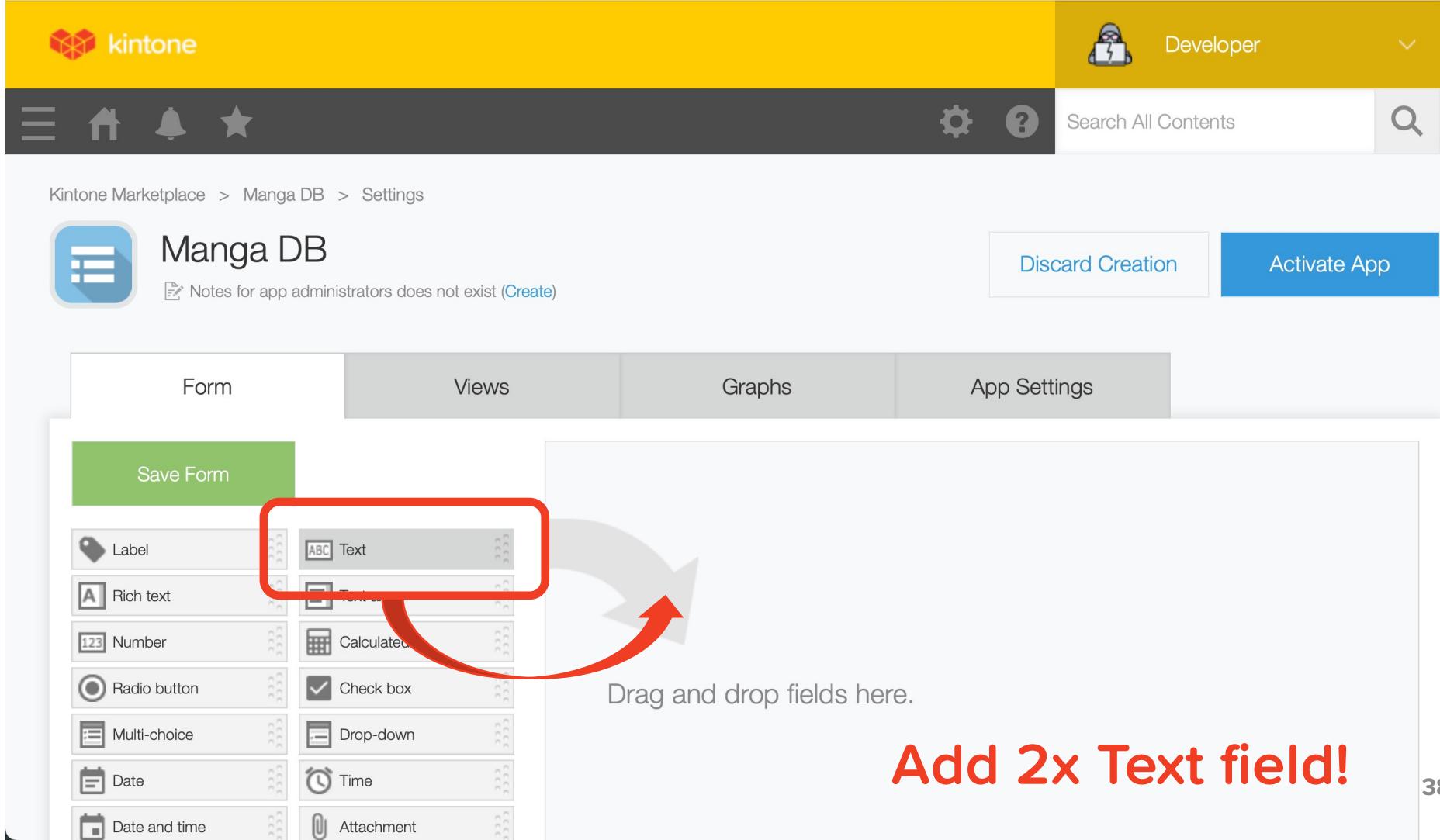
Date and time Attachment

Discard Creation Activate App

Drag and drop fields here.

# Building the Manga Database App

Drag & drop 2x  
**Text fields** into  
the middle area.



Kintone Marketplace > Manga DB > Settings

Manga DB

Notes for app administrators does not exist ([Create](#))

Form Views Graphs App Settings

Save Form

Drag and drop fields here.

Add 2x Text field!

Developer

Discard Creation Activate App

Label Text

Rich text

Number

Radio button

Multi-choice

Date

Date and time

Calculated

Check box

Drop-down

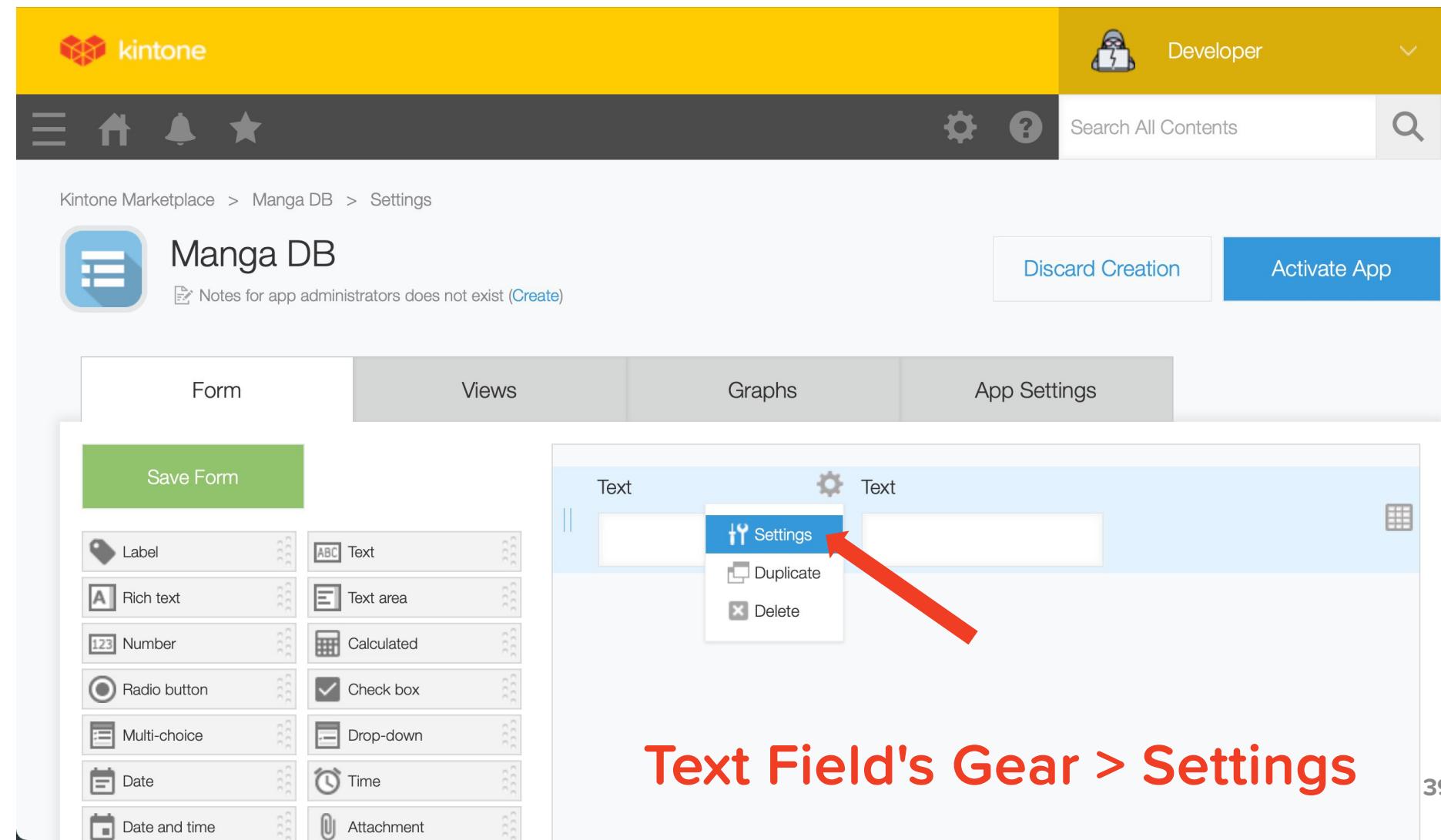
Time

Attachment

# Configure Fields

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

Edit the **Name** & **Field Code**



Text Field's Gear > Settings

# Inside the Text Settings

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

Edit the **Name** & **Field Code**

The diagram illustrates the 'Text Settings' configuration screen. It shows two states: the initial state on the left and the modified state on the right. A red box highlights the 'Field Code' field, which is being changed from 'title' to 'author'. A blue box highlights the 'Name' field, which is being changed from 'Title' to 'Author'. Red arrows point from the text labels to the corresponding fields, and blue arrows point from the text labels to the modified values in the right-hand panel.

**Initial State (Left):**

- Name: Title
- Field Code: title

**Modified State (Right):**

- Name: Author
- Field Code: author

**Annotations:**

- Change the Name to "Author"** (Blue box, pointing to the Name field)
- Change the Name to "Title"** (Red box, pointing to the Name field)
- Change the Field Code to "author"** (Blue box, pointing to the Field Code field)
- Change the Field Code to "title"** (Red box, pointing to the Field Code field)

# Does Your App Look Like This?

We changed...

Title

Added 2x Text fields

Edited the **Name** and **Field Code** of both Text fields

The screenshot shows the kintone app creation interface. At the top, there's a yellow header bar with the kintone logo and a developer icon. Below it is a dark navigation bar with icons for home, notifications, and favorites. On the right of the navigation bar are settings, help, and search buttons. A search bar says "Search All Contents". The main content area shows the "Manga DB" app settings. It has tabs for "Form", "Views", "Graphs", and "App Settings", with "App Settings" currently selected. A green "Save Form" button is visible. To the right, there are input fields for "Title" and "Author". On the left, there's a list of field types: Label, Text, Rich text, Text area, Number, Calculated, Radio button, Check box, Multi-choice, Drop-down, Date, Time, and Date and time. Each item has a small icon and a delete icon to its right.

# Generate a Token

Within the App

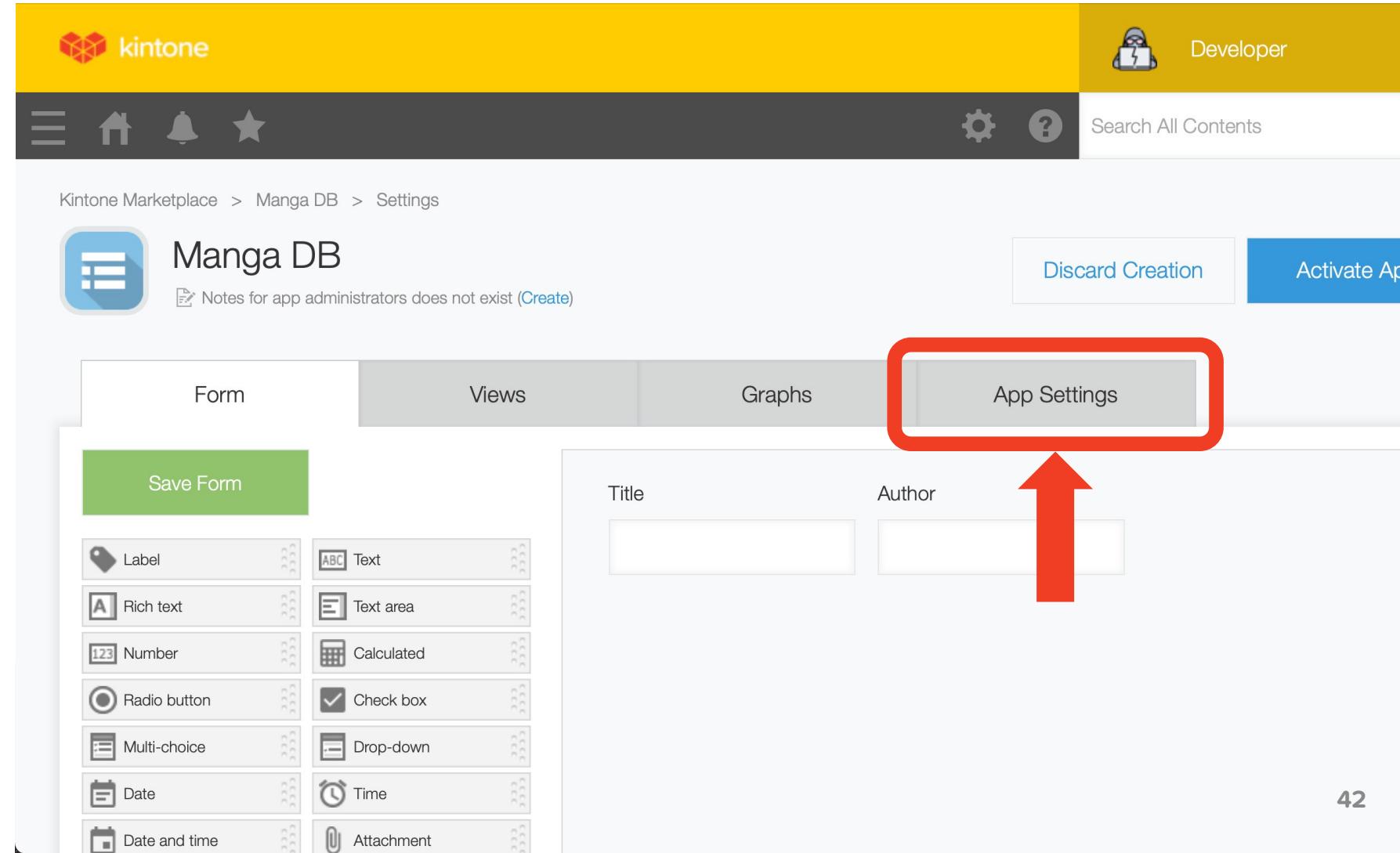
→ App Settings tab

→ Customization and  
Integration

→ API Token

→ Generate button

→ Permissions settings



# Generate a Token

Within the App

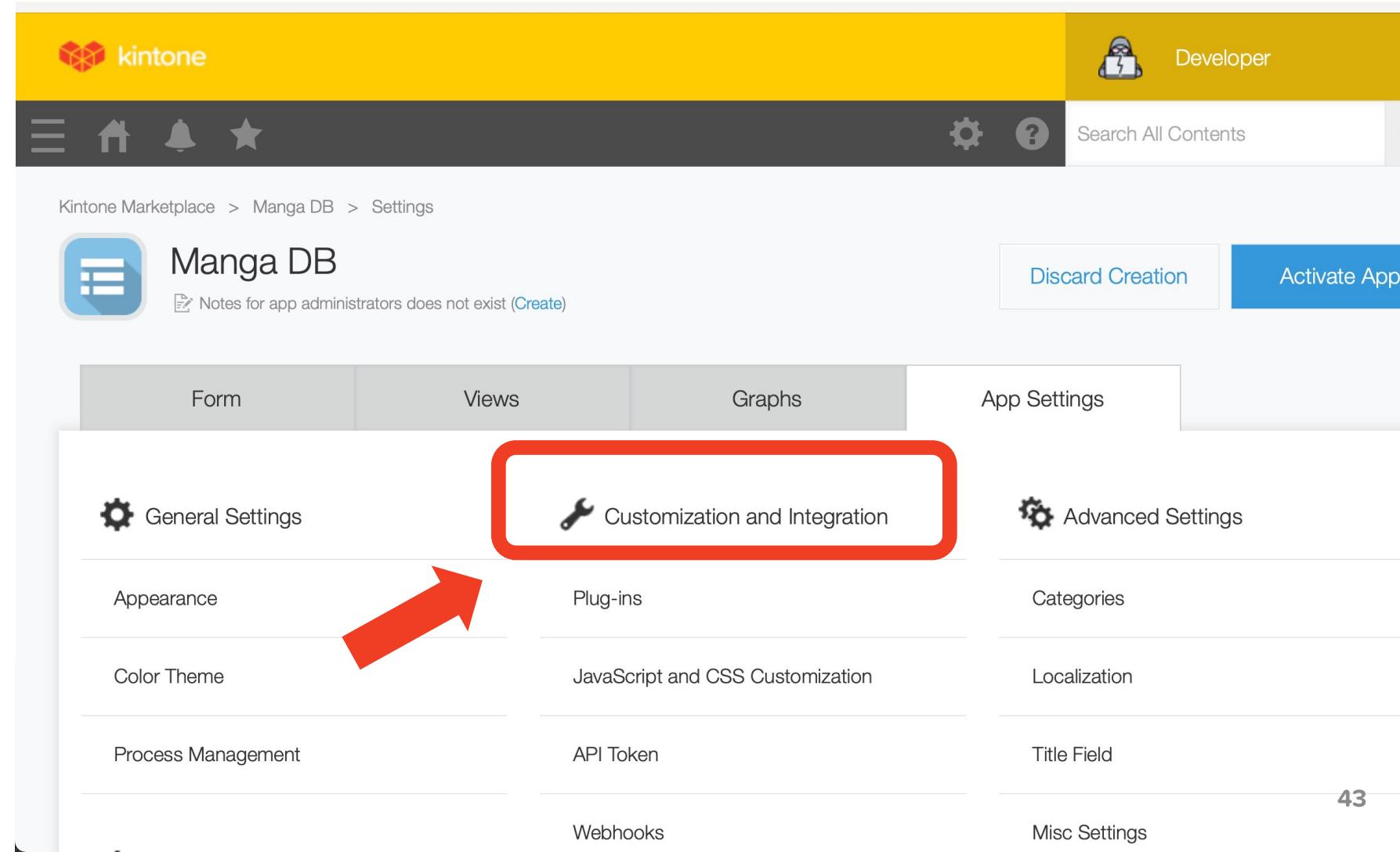
→ App Settings tab

→ Customization  
and Integration

→ API Token

→ Generate button

→ Permissions settings



# Generate a Token

Within the App

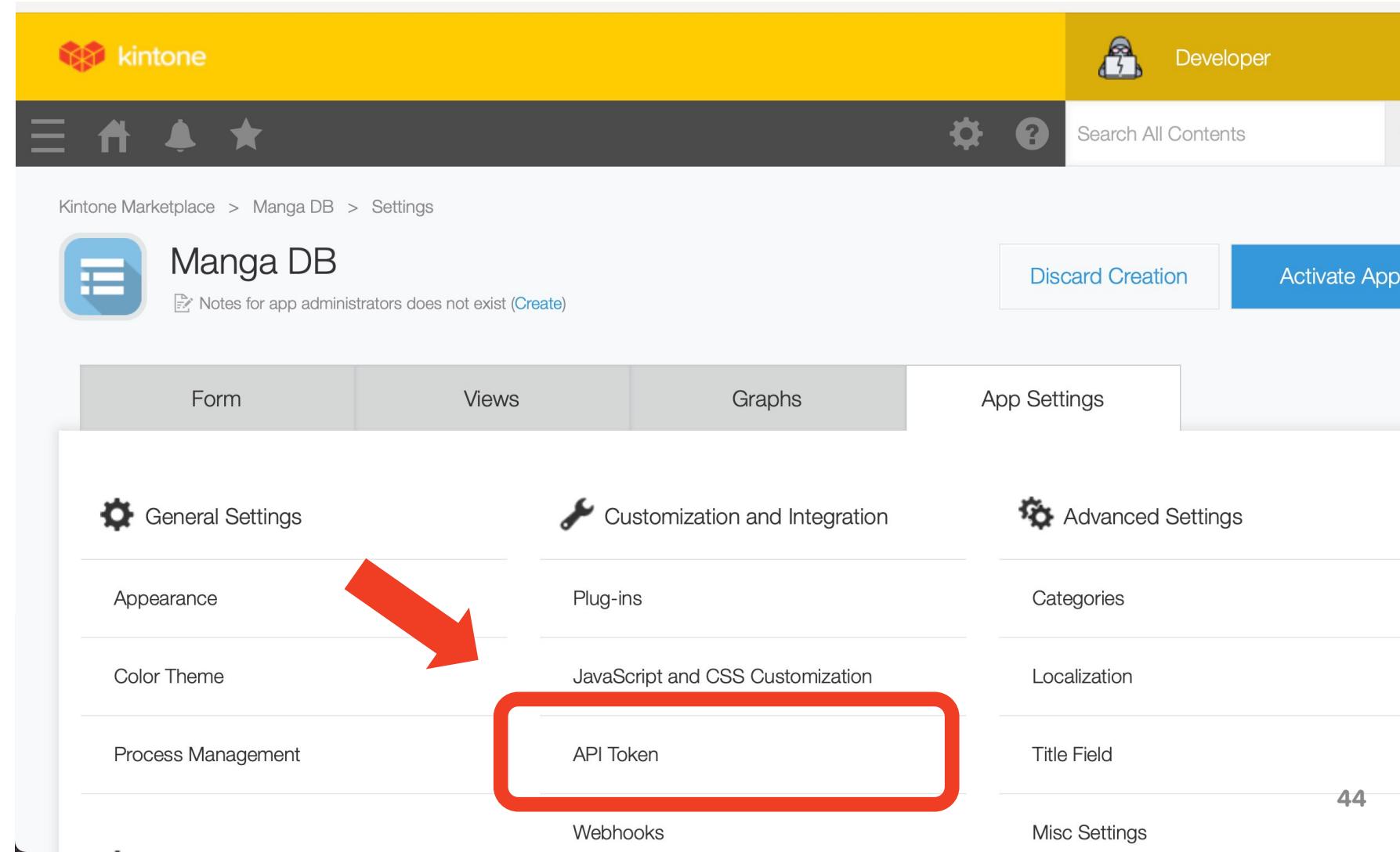
→ App Settings tab

→ Customization and  
Integration

→ API Token

→ Generate button

→ Permissions settings



# Generate a Token

Within the App

→ App Settings tab

→ Customization and

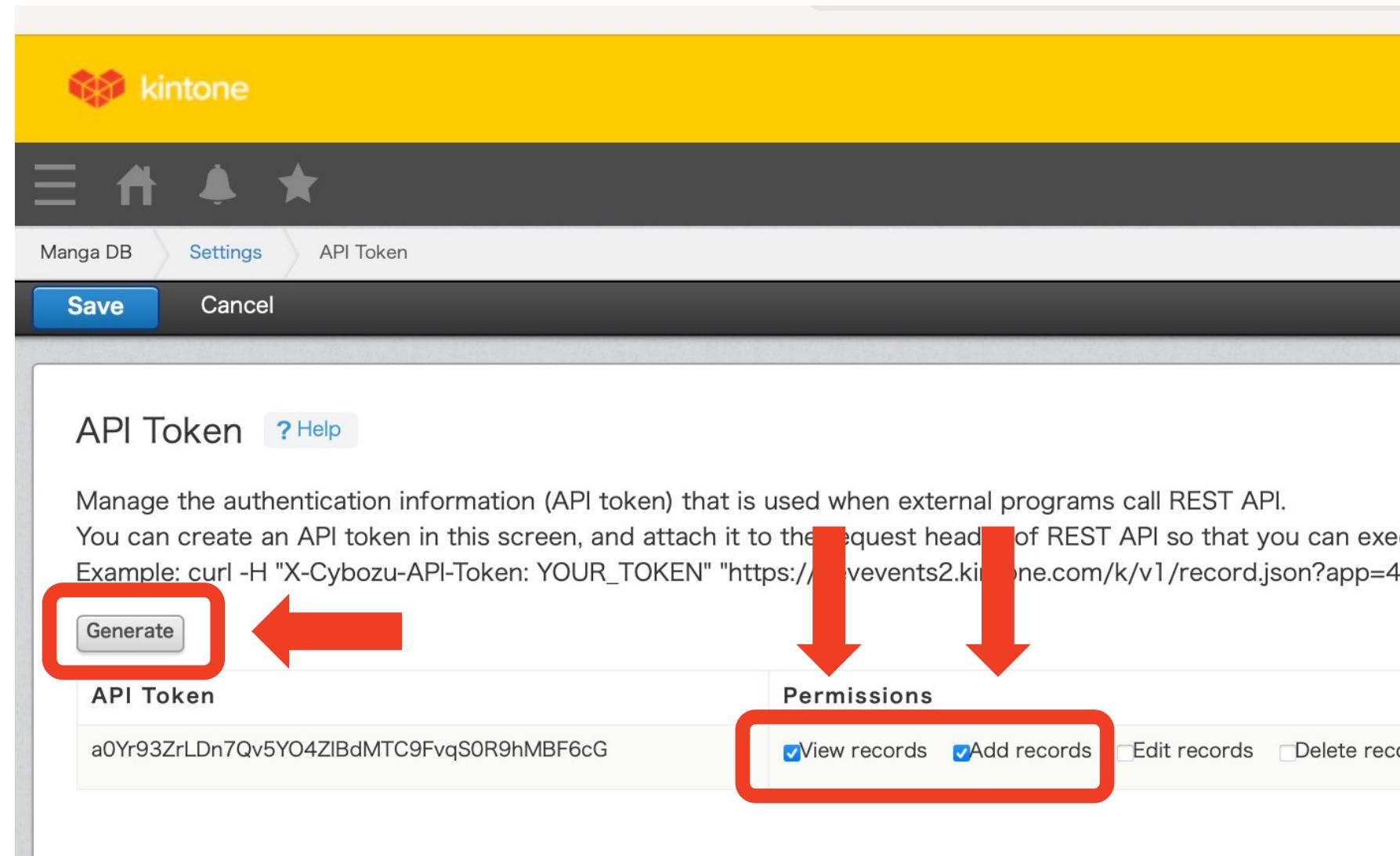
Integration

→ API Token

**→ Generate button**

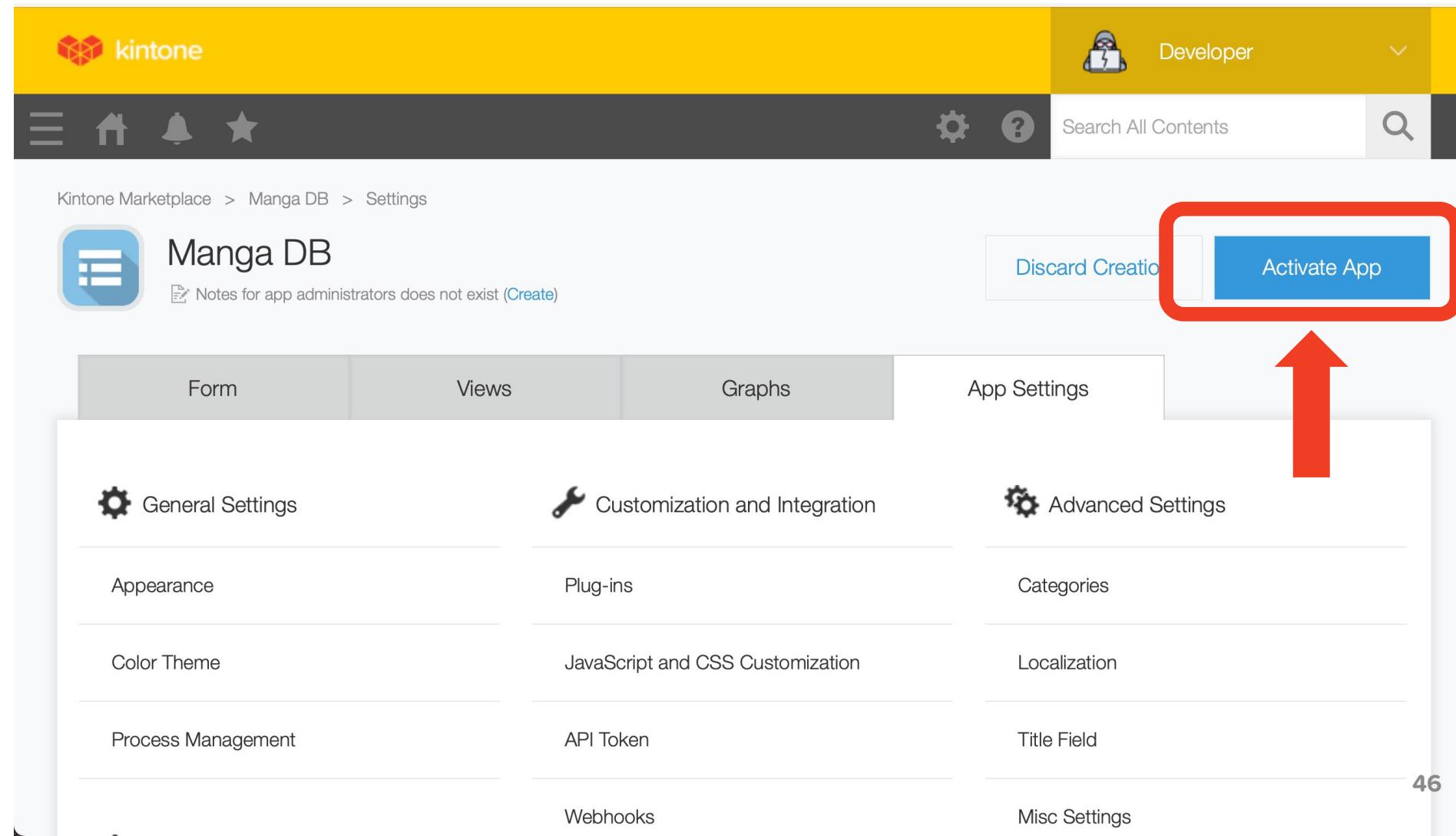
**→ Permissions**

**settings**



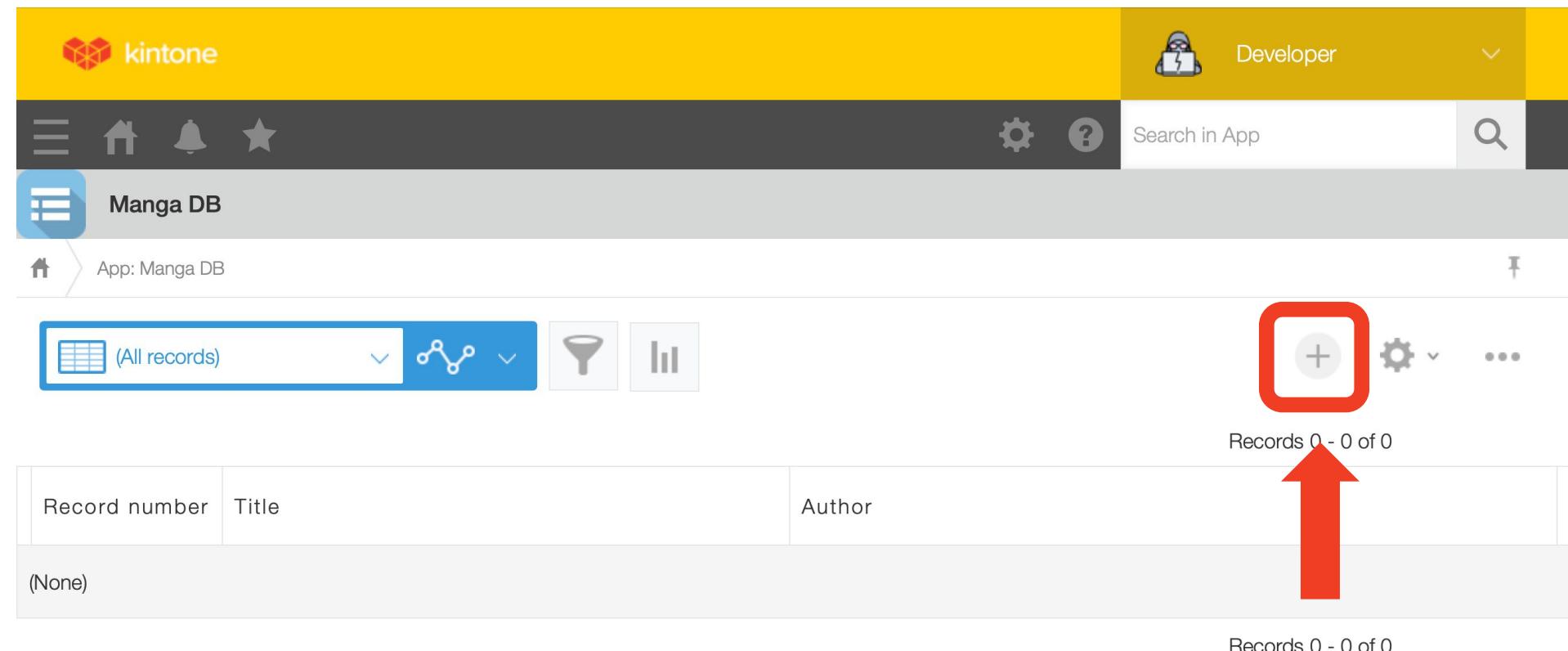
# Activate the Kintone Database App

Click on the **Activate App** button to implement the changes!



# Create a Record

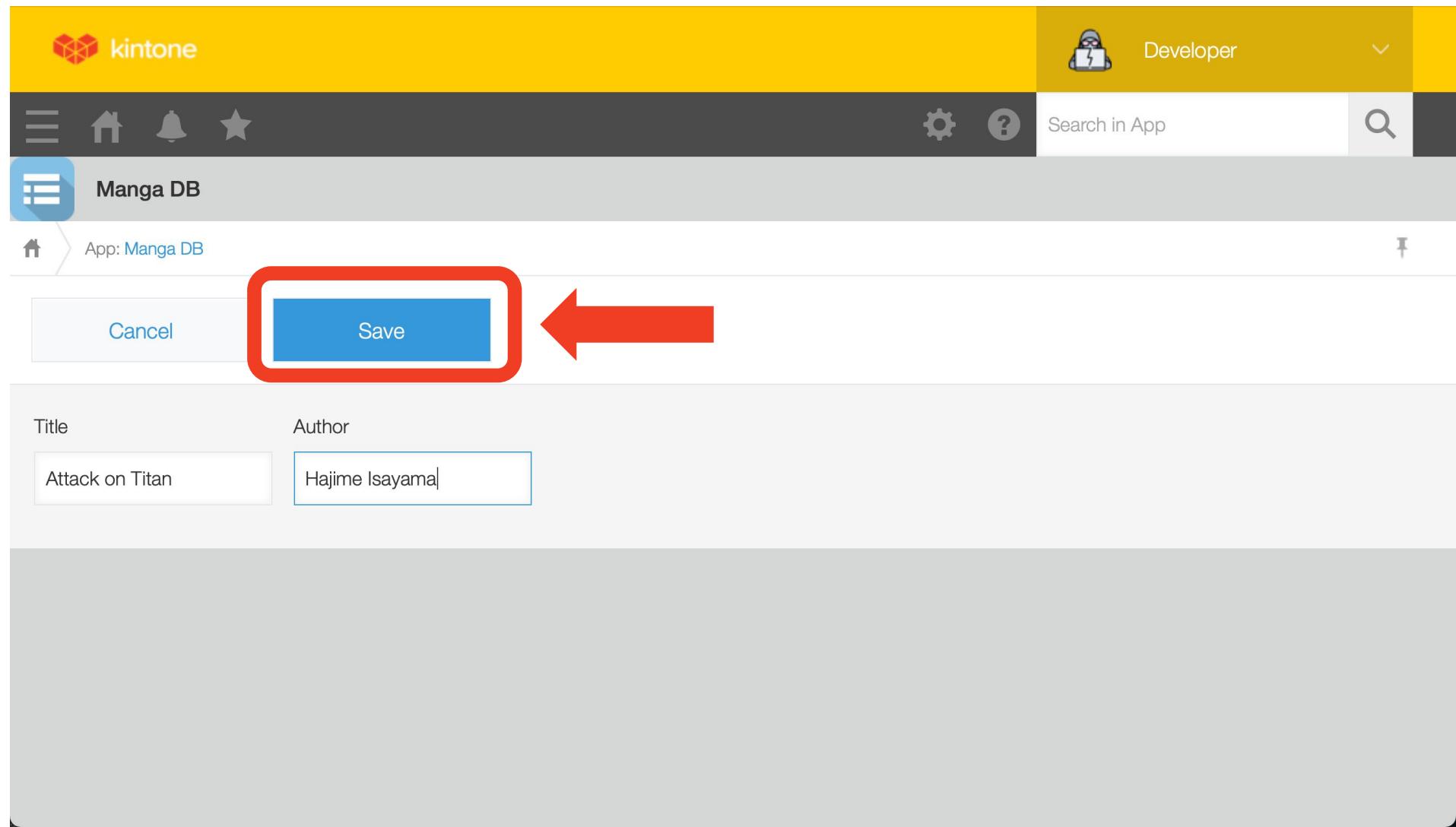
Click the  
[+] button  
on the  
Right side to  
create a record



# Save a Record

Input a Title and Author

Then click the **Save button**



# View a Record

You created  
your first record!

Click on the  
blue **Manga DB**  
link to view all  
the records

The screenshot shows the kintone application interface. At the top, there's a yellow header bar with the kintone logo. Below it is a dark grey navigation bar with icons for home, notifications, and favorites. A red arrow points to the blue 'Manga DB' link in the navigation bar. The main content area has a light gray background. At the top left of the content area, there's a breadcrumb navigation: a house icon followed by 'App: Manga DB' and 'Record: Attack on Titan'. The main data is presented in a table with two rows: 'Title' (Attack on Titan) and 'Author' (Hajime Isayama). To the right of the table is a comment section with a blue speech bubble icon, a placeholder 'Write your comment here.', and a message stating 'No comments are available.' At the bottom right of the content area is a small '...' button. Along the bottom edge of the screen are several action icons: a plus sign, a pencil, a document, a gear, and three dots.

# View All Records

You can now  
view your  
Record #1!

Create two  
more records

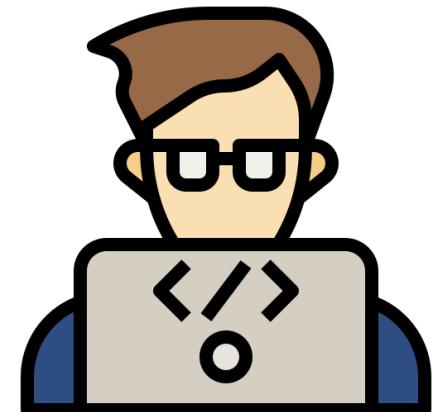
We will use  
them on our  
React App!

The screenshot shows the kintone application interface. At the top, there's a yellow header bar with the kintone logo and a 'Developer' icon. Below it is a dark grey navigation bar with icons for three, home, notifications, and stars. A search bar says 'Search in App'. The main title 'Manga DB' is displayed above the record list. On the left, there's a sidebar with a house icon and the text 'App: Manga DB'. The main area shows a table with one record. The table has columns for 'Record number', 'Title', and 'Author'. The first record has a blue file icon in the 'Record number' column, the value '1' in the 'Title' column, and 'Hajime Isayama' in the 'Author' column. There are also edit and delete icons for this record. At the bottom right of the table, it says 'Records 1 - 1 of 1'. Above the table, there are several filter and search tools: a grid icon labeled '(All records)', a line chart icon, a funnel icon, and a bar chart icon.

Record number	Title	Author
1	Attack on Titan	Hajime Isayama

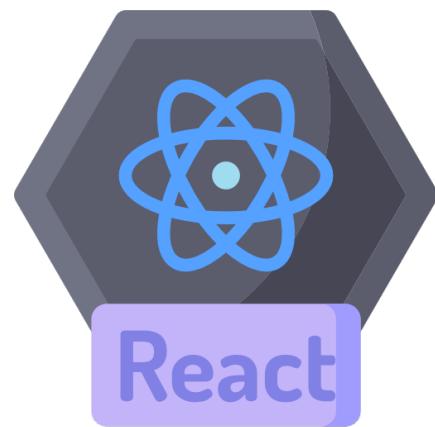
# Time to Explore the Code

1. Connect Your Kintone Subdomain
2. frontend & backend - npm start
3. Follow the Existing Behavior
4. Learn How React Works Here



# Props in React

What Are For?



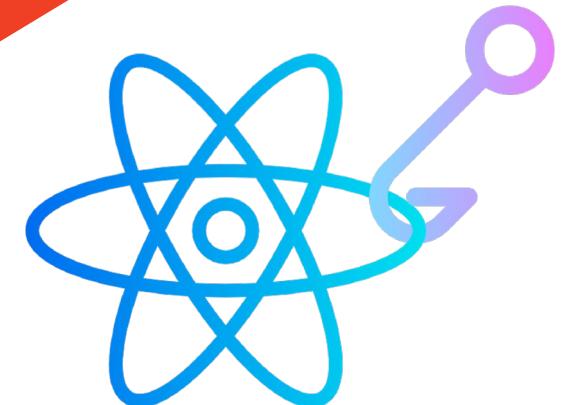
# What are Props?

- React is all about reusable UI components
- Often these components need to interact with each other
- This is where props comes in!
- Props allow components to exchange data with each other
- "Props" is a keyword in React
- Stands for "properties"
- Passed from Parent to Child components (uni-directional)
- Props are read-only

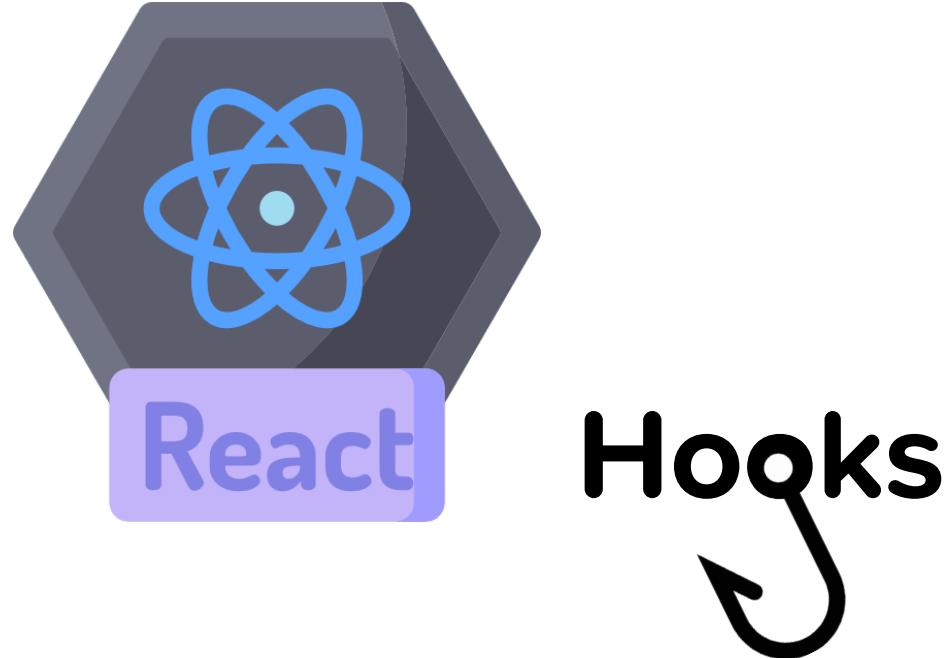
```
<Component property="value" />
```

# useState & useEffect

What Are They?



# Using useState & useEffect Hooks



Let's use useState & useEffect Hooks to handle the REST API calls in React.

```
1 import React, { useState, useEffect } from 'react';
```

# Using useState & useEffect Hooks

useState hooks allow us to use special "state" variables that we can utilize to render into the React UI.

```
const [state, setState] = useState(initialState);
```

Name of your state

Function used to change  
the state's value

Initial value of the state

# Using useState & useEffect Hooks

[useEffect hooks](#) allow us to run functions after rendering has finished.

We'll use this to run a REST API call and update the state variable, which will then cause React to *re-render* the UI.

# Let's Travel to the Backend

To server.js **We Go!**



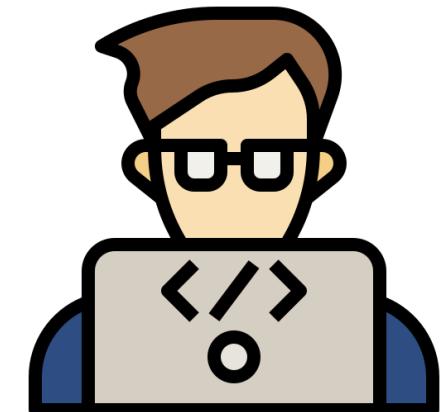
# Quick 10-min Break

Coming up next:

Live Coding POST Request Component



# Back to the Live Coding!



# Wrap Up

## 1 Explored React App

- Cloned & configured a React project for the **frontend**
- Went through the key files that make it work

## 2 Learned about useState & useEffect

- Addressed the issue with **async rendering** in React
- Used **useState** and **useEffect** Hooks to have async code in React

## 3 Configured Express Server

- Used a Express server project for the **backend**
- Avoided **CORS errors** by making REST API calls from the server

## 4 Added the Input Form and POST API Request

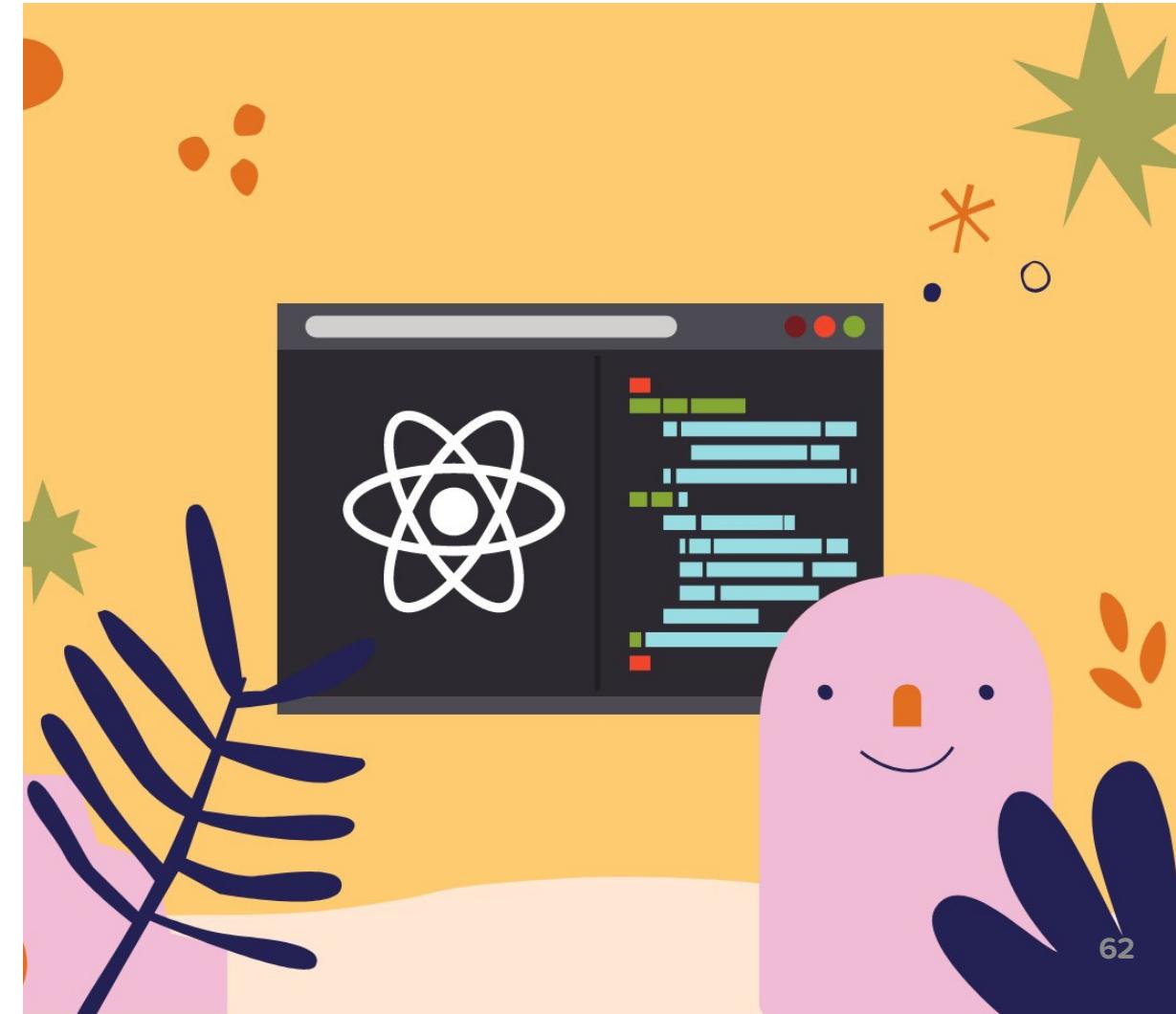
- Created a **component** to append a form
- Routed POST API calls in Express server to add data to a **web database**

# React & REST API Article Series

Great articles written by William

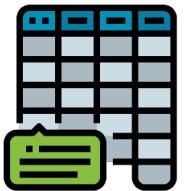
1. How to render responses
2. How to overcome CORS errors
3. How to get data from a Web Database
4. How to render a list from a JSON response
5. How to add data to a Web Database

[bit.ly/react-rest-devto](https://bit.ly/react-rest-devto)

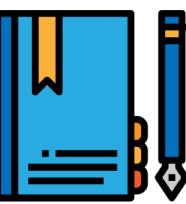
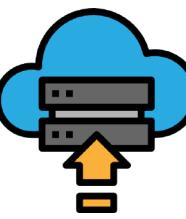


# Next Steps

What are some next steps you can take?

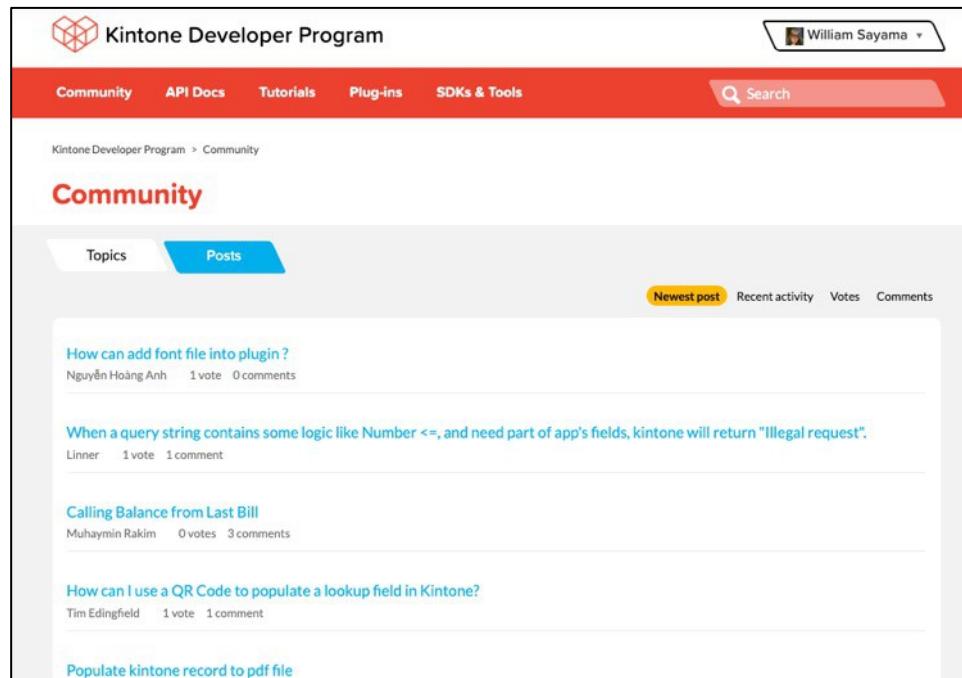


- Handle the response so it renders as tables
- Challenge making POST requests to add data into Kintone
- Try calling a public API from this [great list](#)
- Deploy your App somewhere like [Heroku](#) so others can see it
- Share your experience on dev.to!



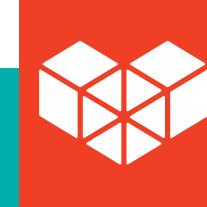
# Where Can I Get Help?

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



The screenshot shows the Kintone Developer Program Community forum interface. At the top, there's a navigation bar with links for Community, API Docs, Tutorials, Plug-ins, and SDKs & Tools. A search bar is also present. The main content area is titled "Community" and shows a list of posts. The first post is titled "How can add font file into plugin?", made by Nguyễn Hoàng Anh, with 1 vote and 0 comments. The second post is titled "When a query string contains some logic like Number <=, and need part of app's fields, kintone will return "Illegal request".", made by Liner, with 1 vote and 1 comment. The third post is titled "Calling Balance from Last Bill", made by Muhammin Rakim, with 0 votes and 3 comments. The fourth post is titled "How can I use a QR Code to populate a lookup field in Kintone?", made by Tim Edingfield, with 1 vote and 1 comment. The fifth post is titled "Populate kintone record to pdf file", which is partially visible at the bottom.





Any  
Questions?

[developer.kintone.io](https://developer.kintone.io)

# Thank You!

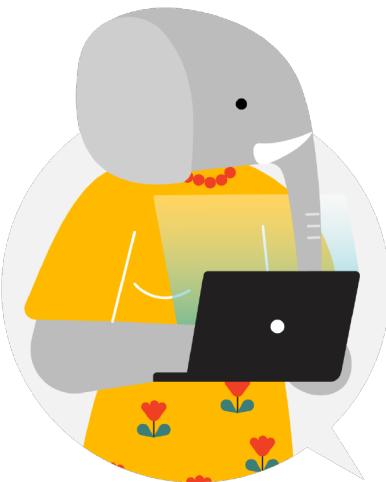


# Thank You to Our Community Partners!



**HackBuddy by JavaScriptLA**

# Join Our Future Workshops!



We are cooking up **new content**  
for our **upcoming workshops!**



Join our Meetup to not miss out!

**[bit.ly/KDP\\_Events](https://bit.ly/KDP_Events)**



# Workshop Recording on YouTube

This workshop's recording will be posted on  
our YouTube Channel!

Our past workshops are posted as well:

Charts: Bubble Cloud, Word Cloud

Introductions: REST API, JS Promise



**[bit.ly/KDP\\_Video](https://bit.ly/KDP_Video)**

# Thank You for Your Participation!

**Fill out our quick survey for a  
chance to win a  
\$25 Amazon gift card!**



**bit.ly/KDP\_Q**

