Welcome to the
React x Kintone x Shepherd Workshop!

Download Code & Slides

bit.ly/kdp-shepherd

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.

FYI 😉

YouTube

Subscribe to get notified we upload the recording!

bit.ly/KDP_Video

Gift Card Raffle

Stay till the end to **enter a raffle!** Get one $25 gift card!

SWAG Gift Away

Fill out our survey to get **free swag**!

Limited to North American addresses

Get Started

Let's setup our workshop's starting point!

1. Download the sean-kintone/shepherd-react-tutorial Repo
2. Go inside the folder & install the dependencies!

Run these commands from your terminal

```
cd Downloads
git clone https://github.com/sean-kintone/shepherd-react-tutorial
cd shepherd-react-tutorial/backend
npm install && npm start
cd ../frontend
npm install && npm start
```

About our backend

This time, we've already set up a quick backend in order to connect to our Kintone database and post records via the add Record API

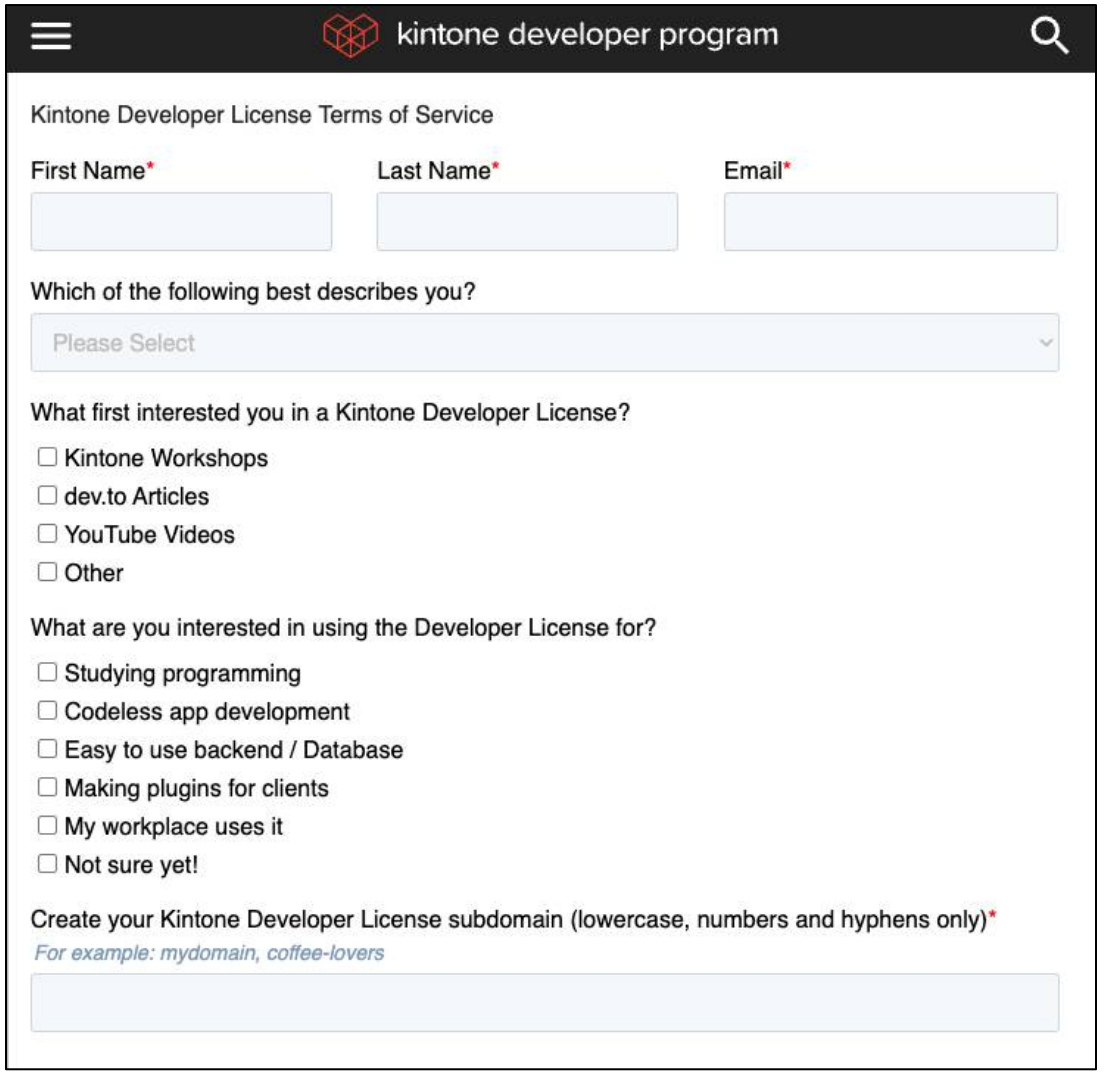
Check out this Kintone Backend Tutorial to see exactly how to set it up

Make sure to check it out!

Get Your Kintone Subdomain

bit.ly/KDP_NEW

- ✅ Use Chrome or Firefox
  - ❌ NOT Safari
- ⚡ Accept Cookies First
- ⚠️ Only Use
  - lowercase [a-z]
  - numbers [0-9]
  - hyphens [-]
- 🤖 Ex: cool-robot-v5



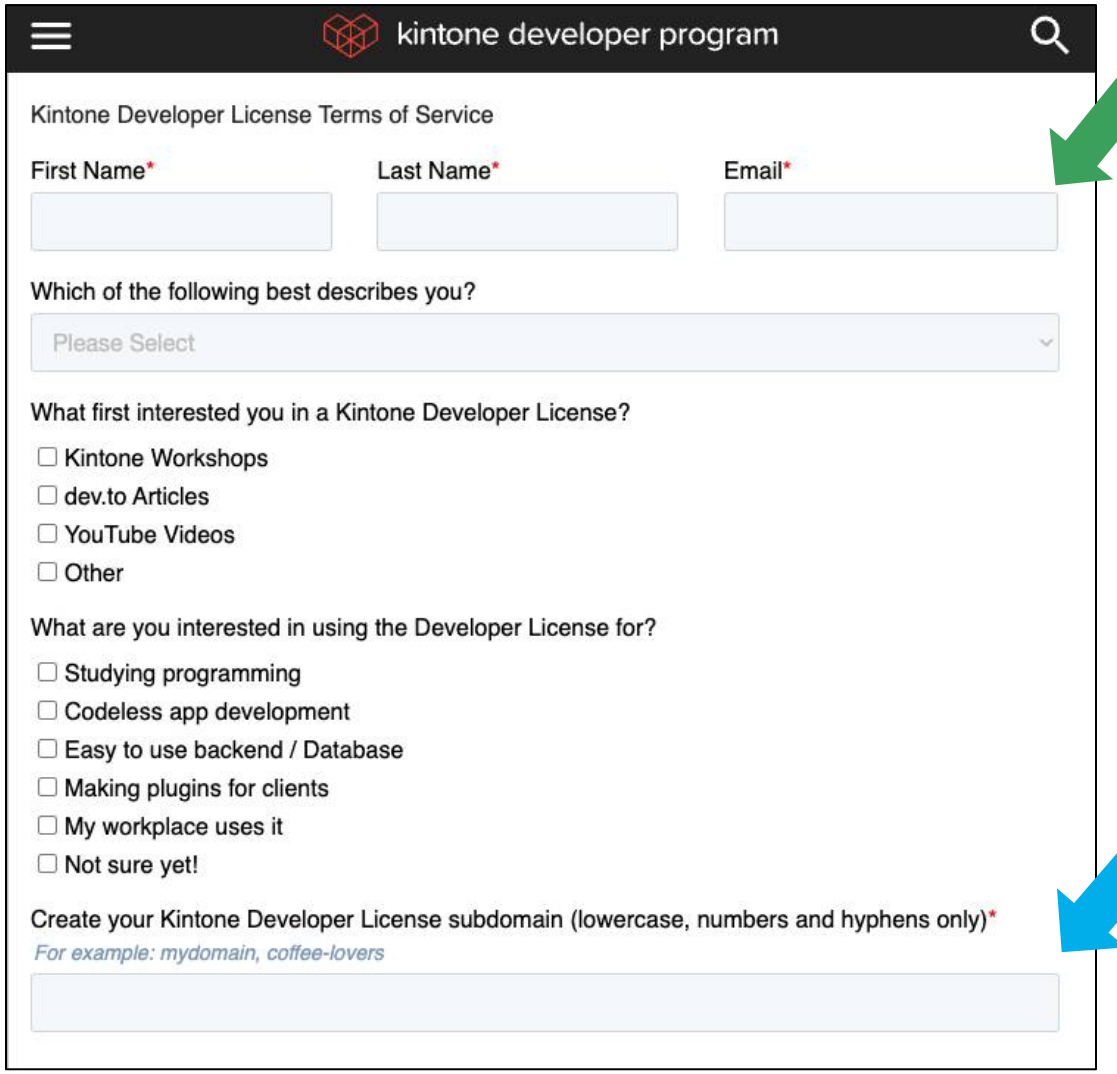
Get Your Kintone Subdomain

The login name is your email

Remember your subdomain!

Your Kintone's login link will be

YOUR_SUBDOMAIN.kintone.com



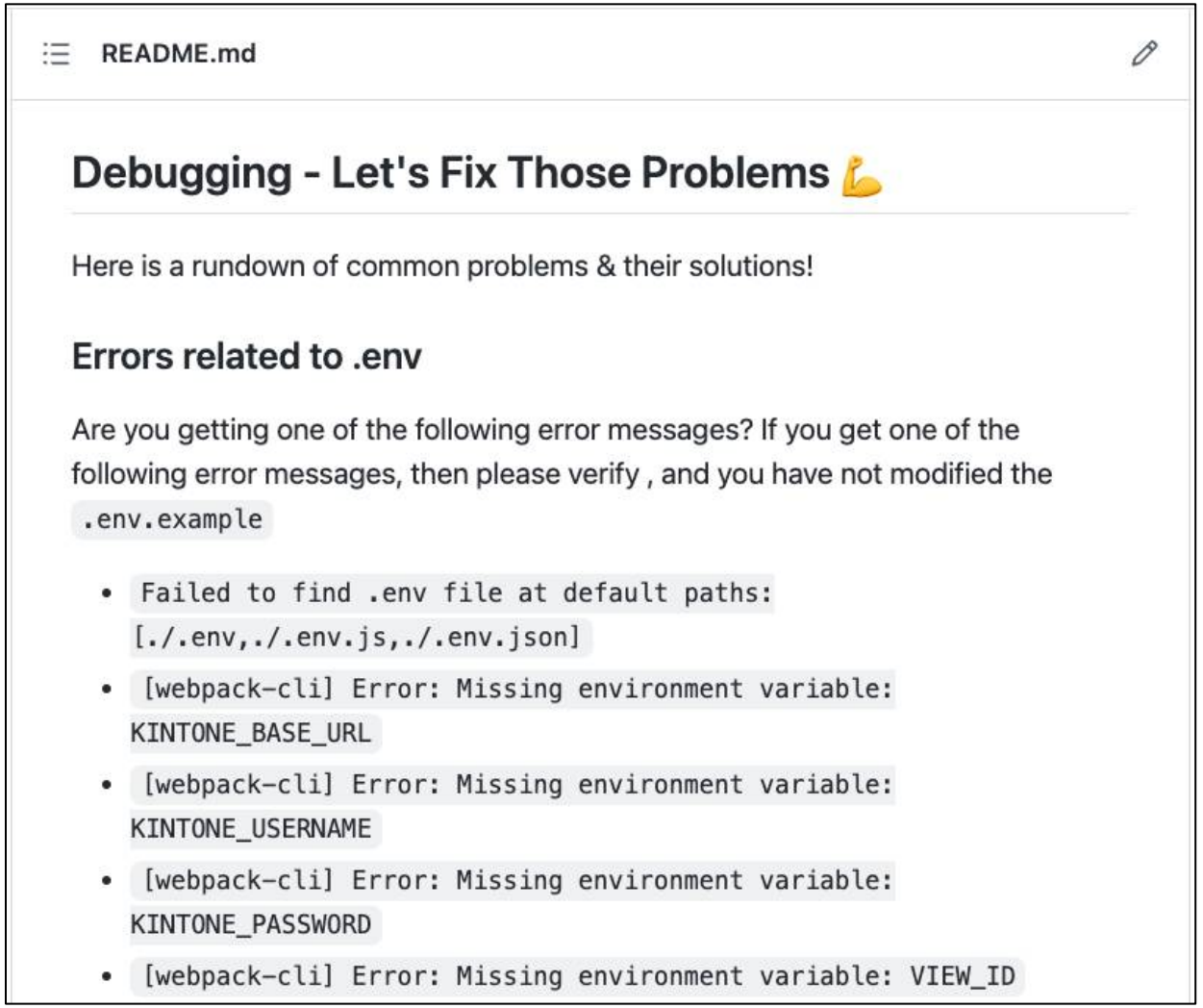
When You Need Help 💪

Resources:

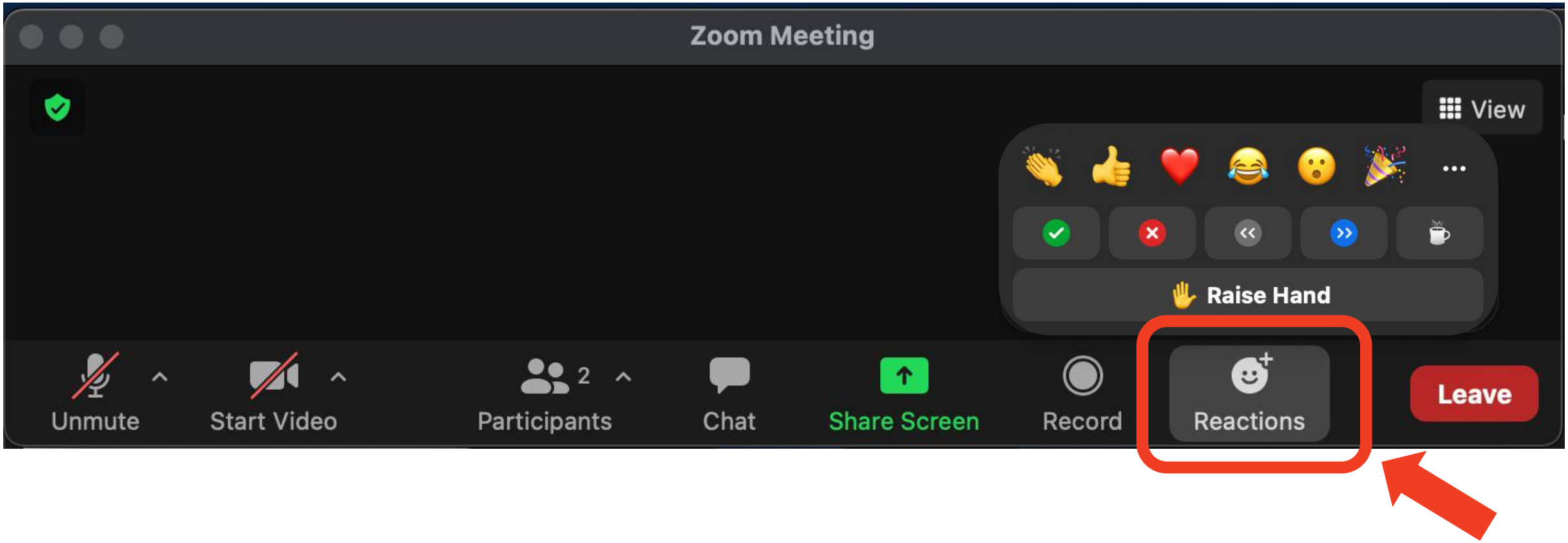
- README's Debugging section
- Posting questions in the chat

Post questions in the chat anytime!

Please include your code & error messages.



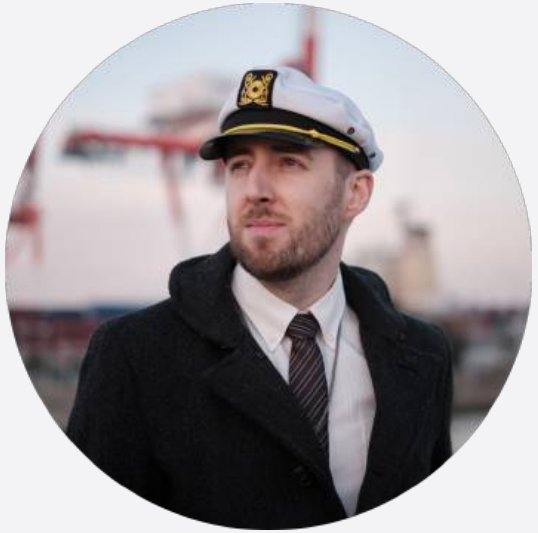
Let's Practice using Zoom's Reactions



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

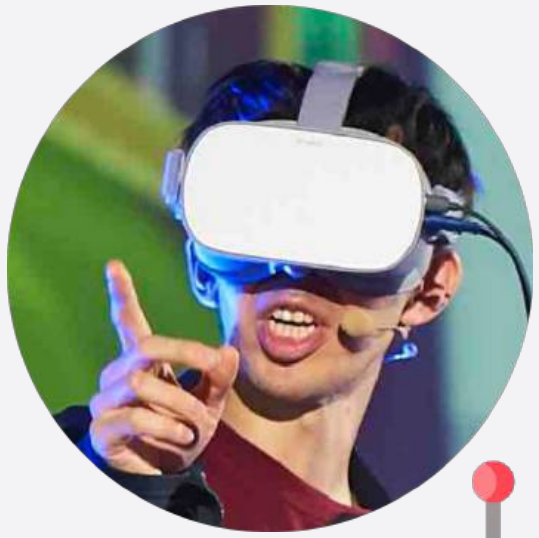
Hello From Kintone

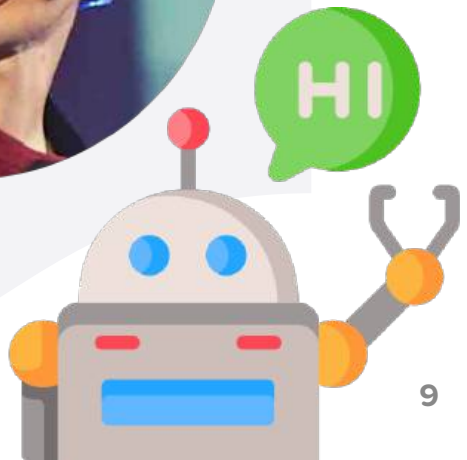
Sean



Genji

Will



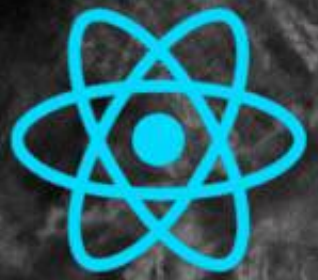


Learn React & Shepherd.JS

Join Us for a
Free Online Workshop
Sept 13 @ 6pm Pacific

Build an Onboarding Guide

kintone



Free $25
Gift Card
Raffle

What We Will Make Today

Workshop Overview

Project Setup

Project Overview

Install Dependencies {Both frontend & backend}

Create a Web Database

Coding a Guided Tour

Create the HTML Element the Onboarding will follow

Setup and learn / review about React Hooks

Refactoring

The HTML is hard-coded. Can we refactor it? Various unrelated code are all in the same file. Let's turn them into components!

Get Started

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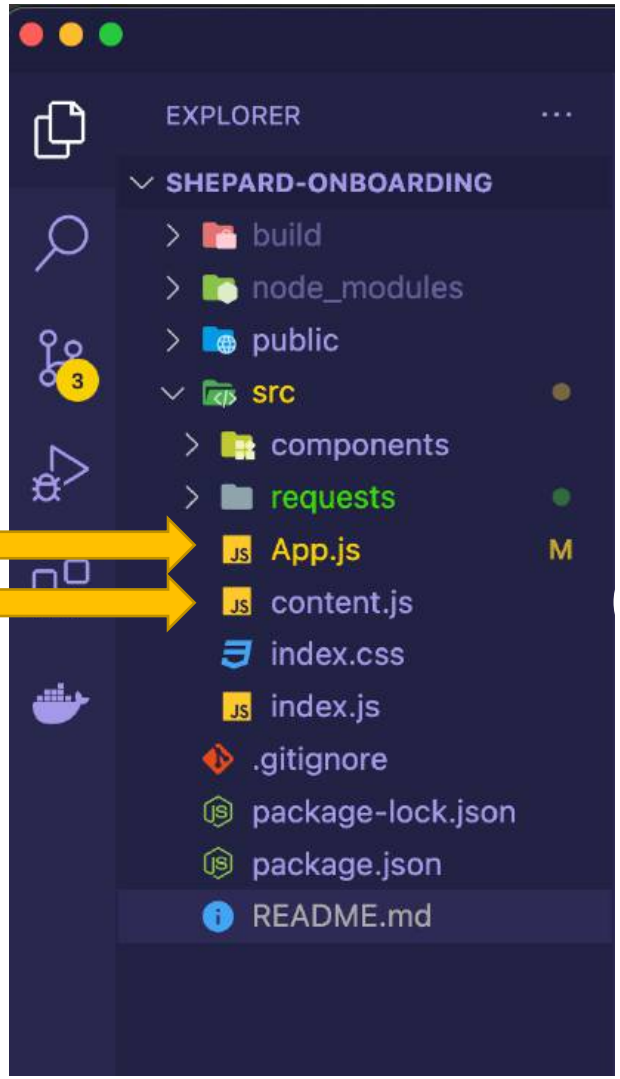
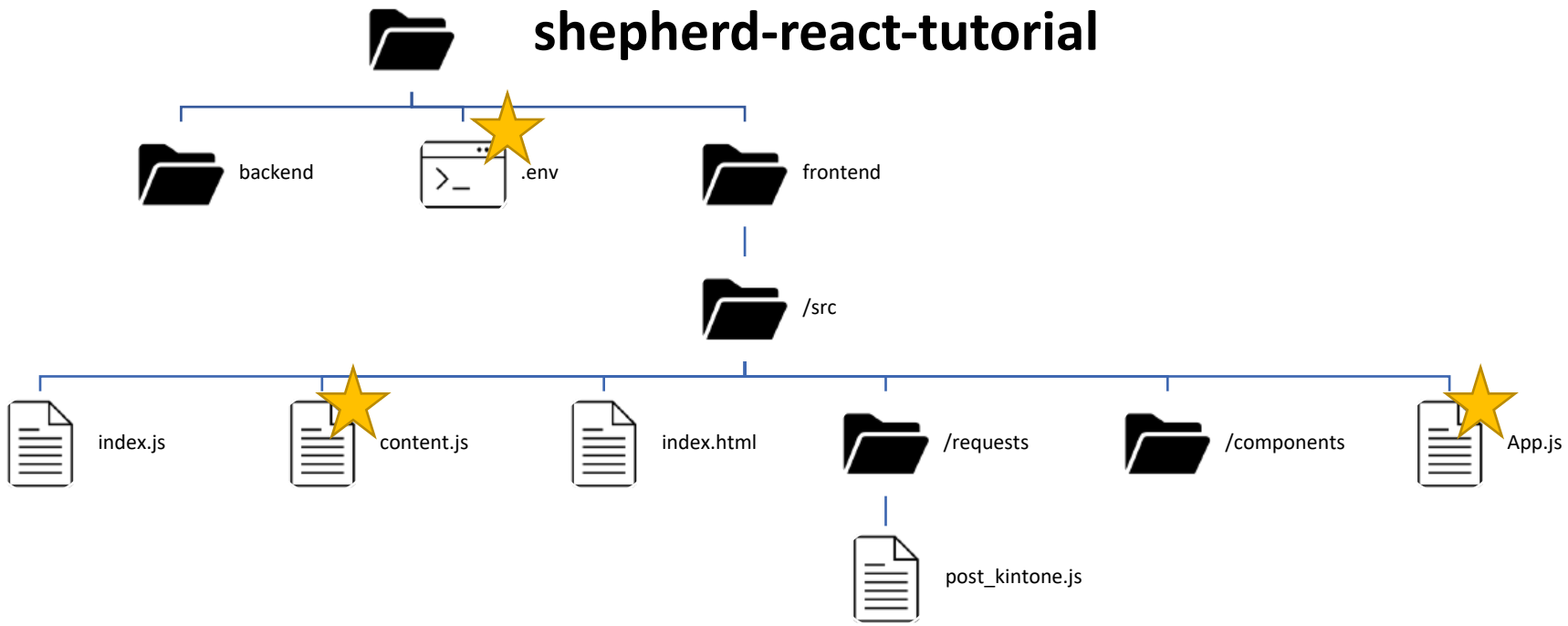
cd shepherd-react-tutorial/backend
npm install && npm start
cd ../frontend
npm install && npm start
```

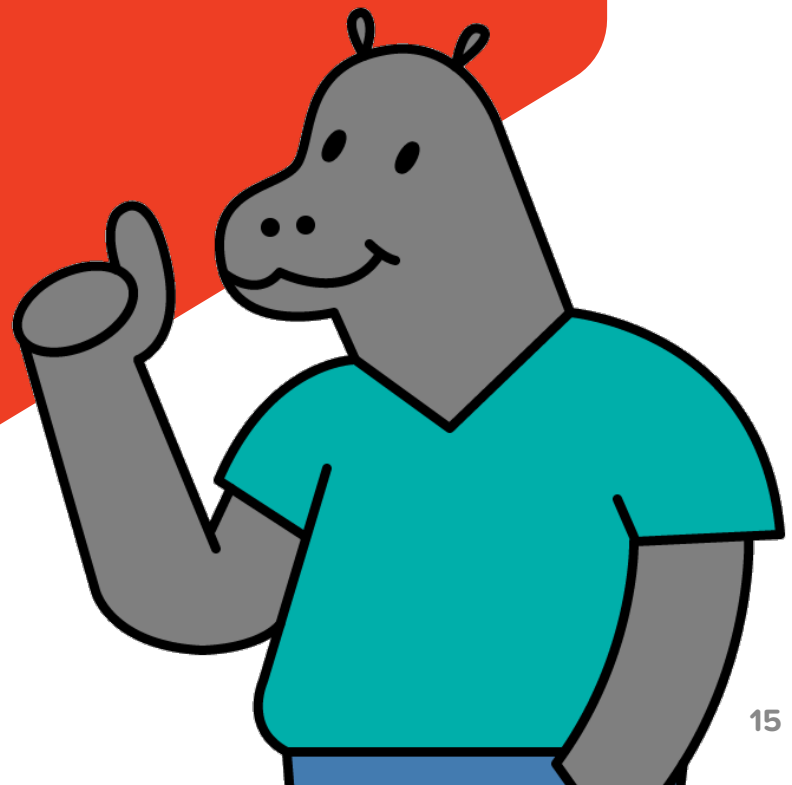
Overview of the Repo





★ **Files We Will Be Editing**

Quick check-in with Zoom polling



Quick Dive into React & Shepherd

Quick React Review

React Helps Make "apps"

- Your website or content is no longer written in HTML.
- Write React in JavaScript, and it outputs HTML to display.
- Code lets you power up your site.

React Components

- React lets developers "separate concerns"
- You can write code for certain objects in different files, and then import them for use
- Helps keep the code-base organized

Reactivity

- Using JS, React allows web apps to *react* to user input in ways HTML could not.
- Its internal code keeps track of variables and their "state" so you can easily watch for changes.

What is Shepherd?

Onboarding Library

- shepherdjs.dev
- Shepherd is an open-source library to help devs easily build guided tours of your website

Easy UX

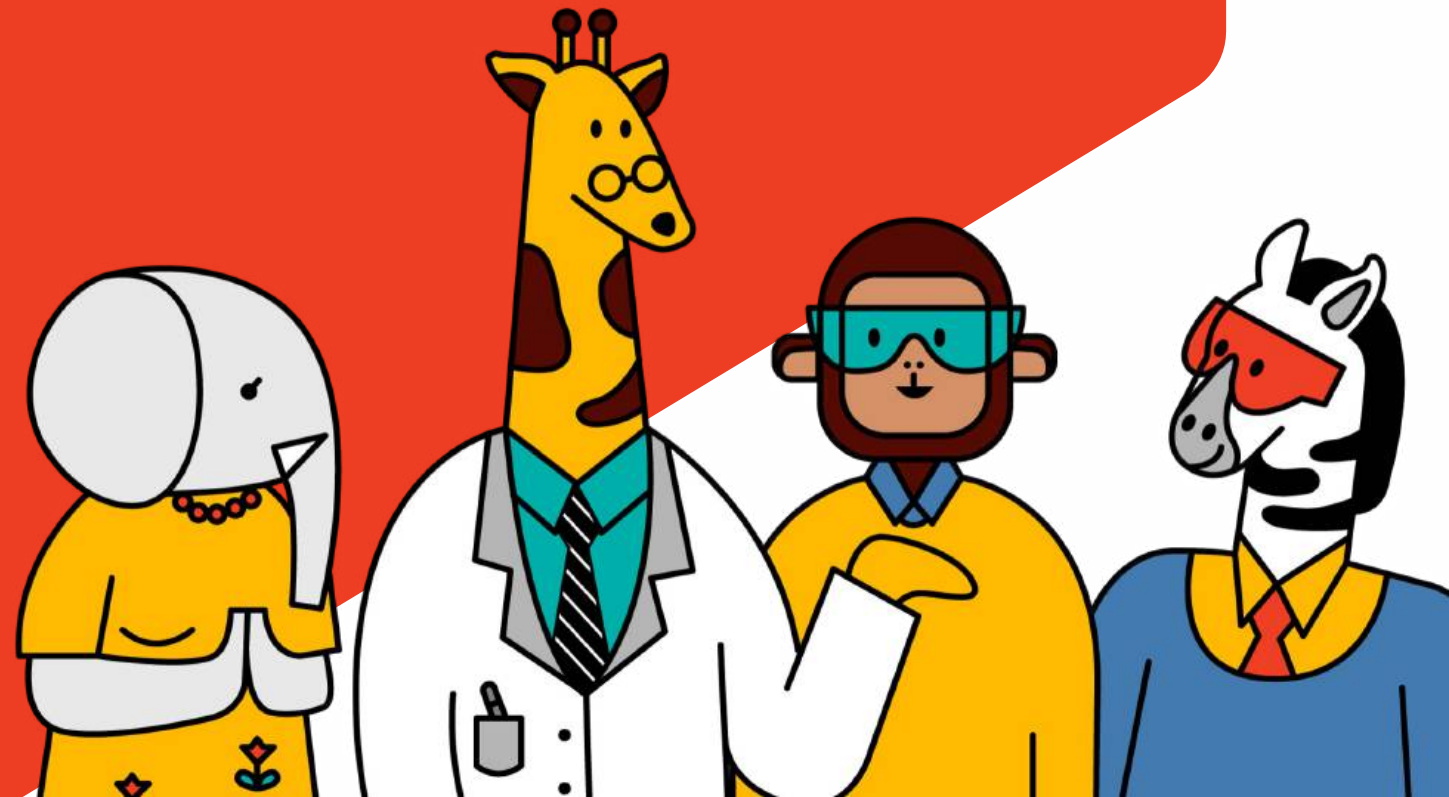
- Vast majority of web traffic will leave your site within 1 minute.
- Onboarding helps user retention, improve sales, and increase understanding

Impress Someone

- If you are job hunting, include an onboarding example in your GitHub! It's flashy and impresses the non-tech savvy.
- Employed? Stop losing users and co-workers in complex apps in your suite!

What is Kintone?

Built for teamwork,
designed by you

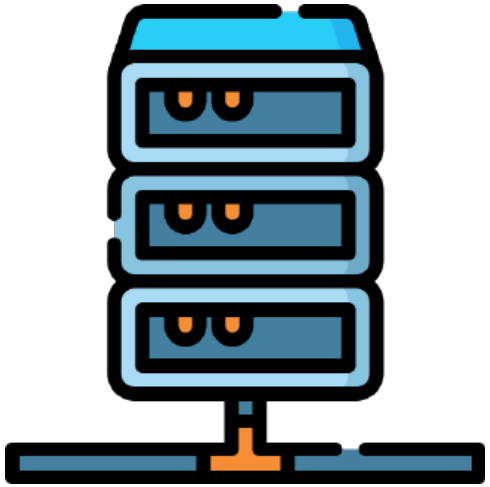


What is Kintone?

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

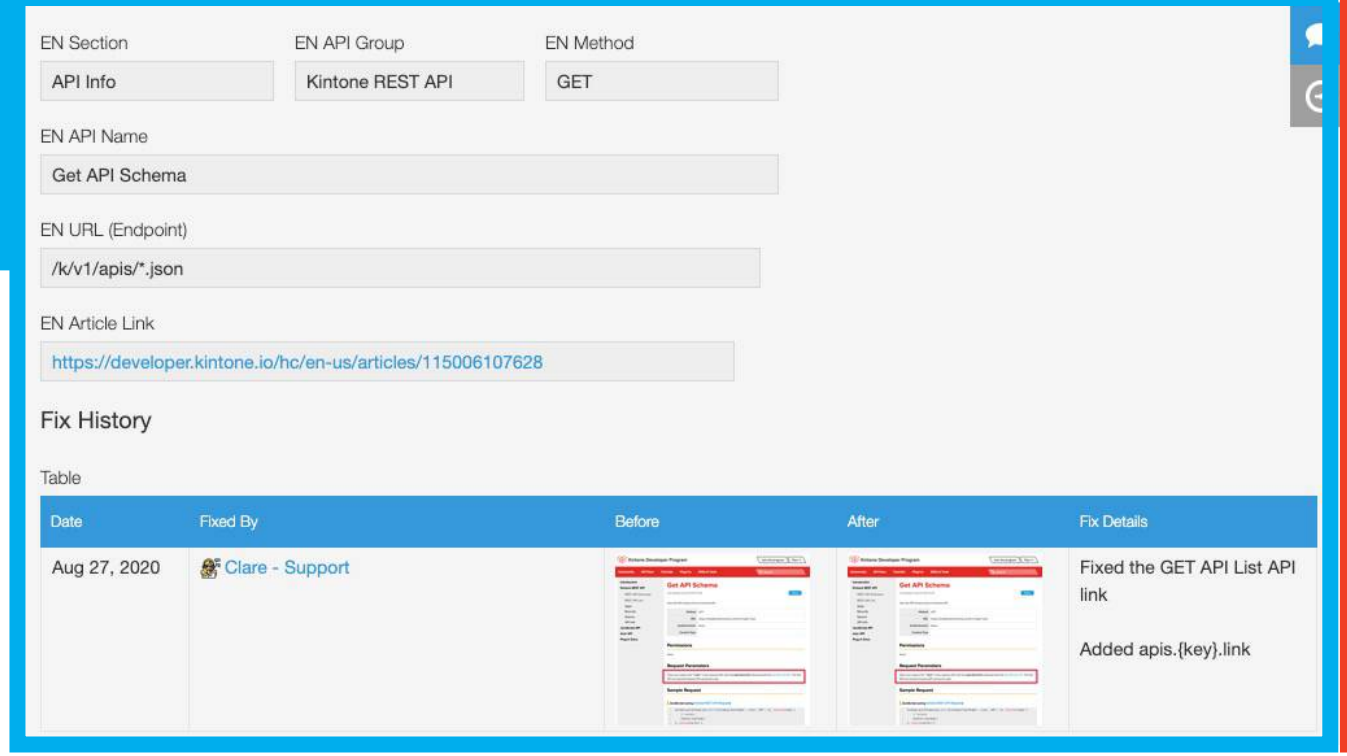
Scattered Communication

Unclear where the conversation is happening

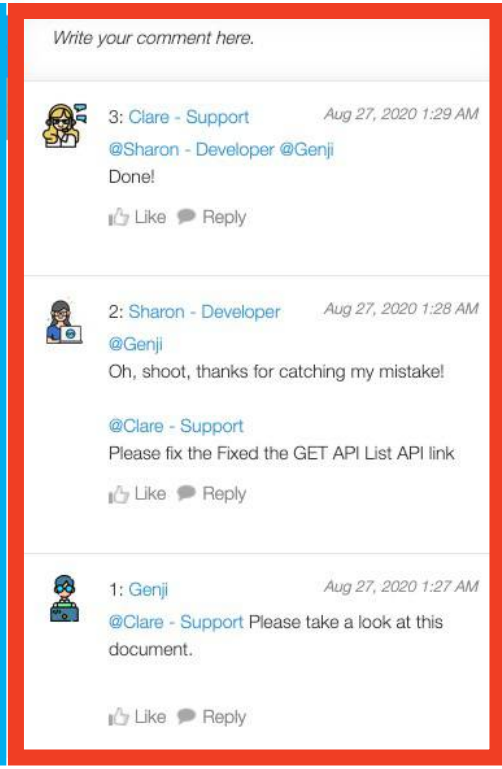
What is Possible?

Remove the Friction
Keep the conversation where the data lives

Where Data Lives

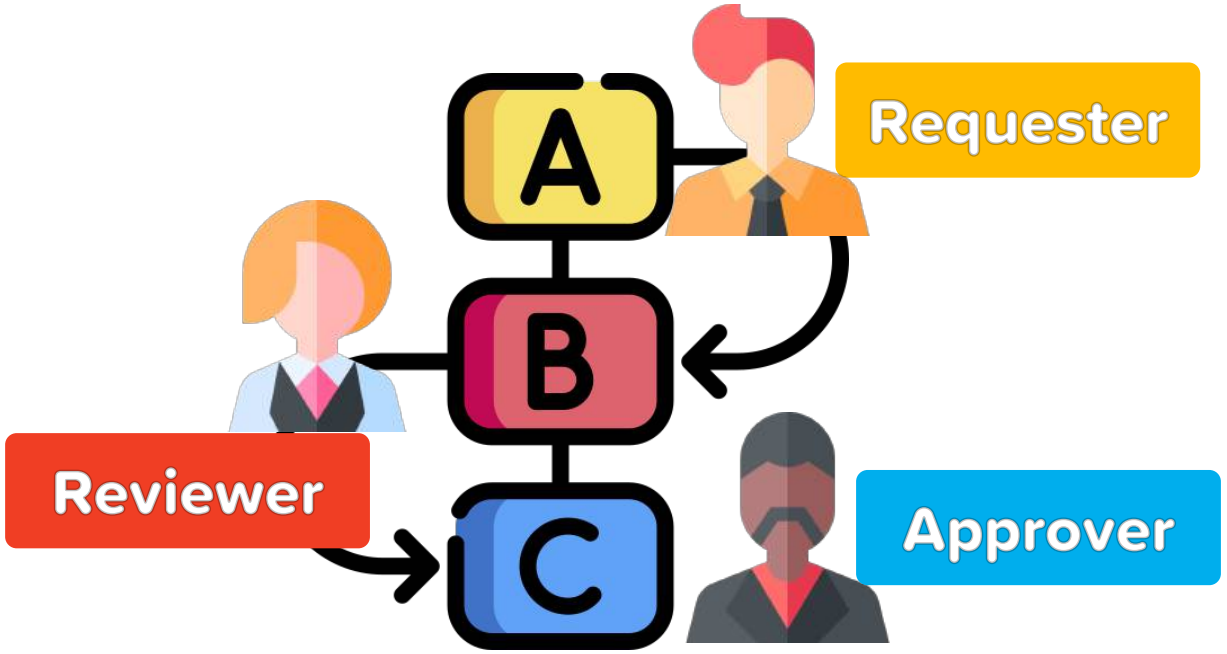


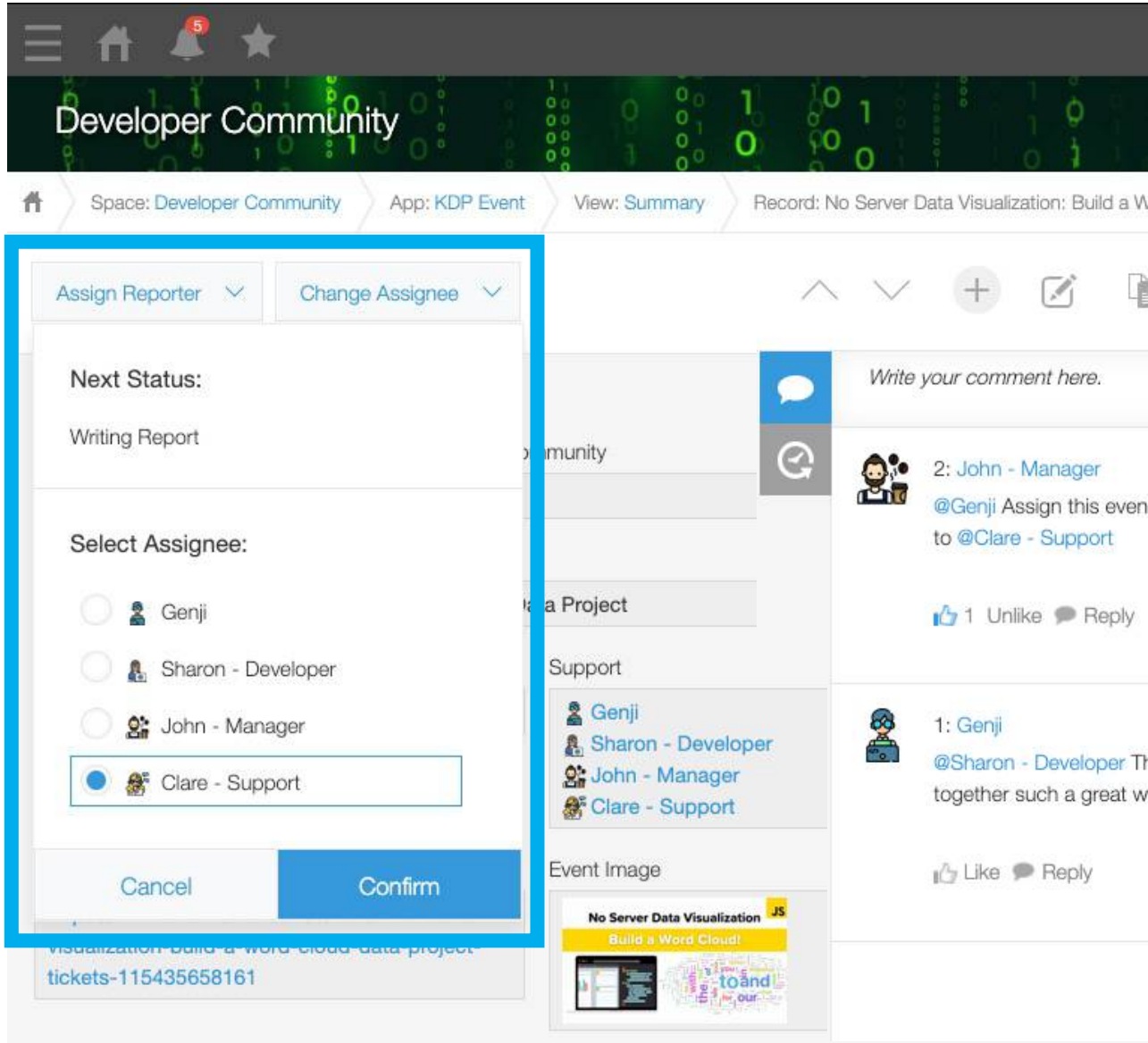
Where Communication Lives



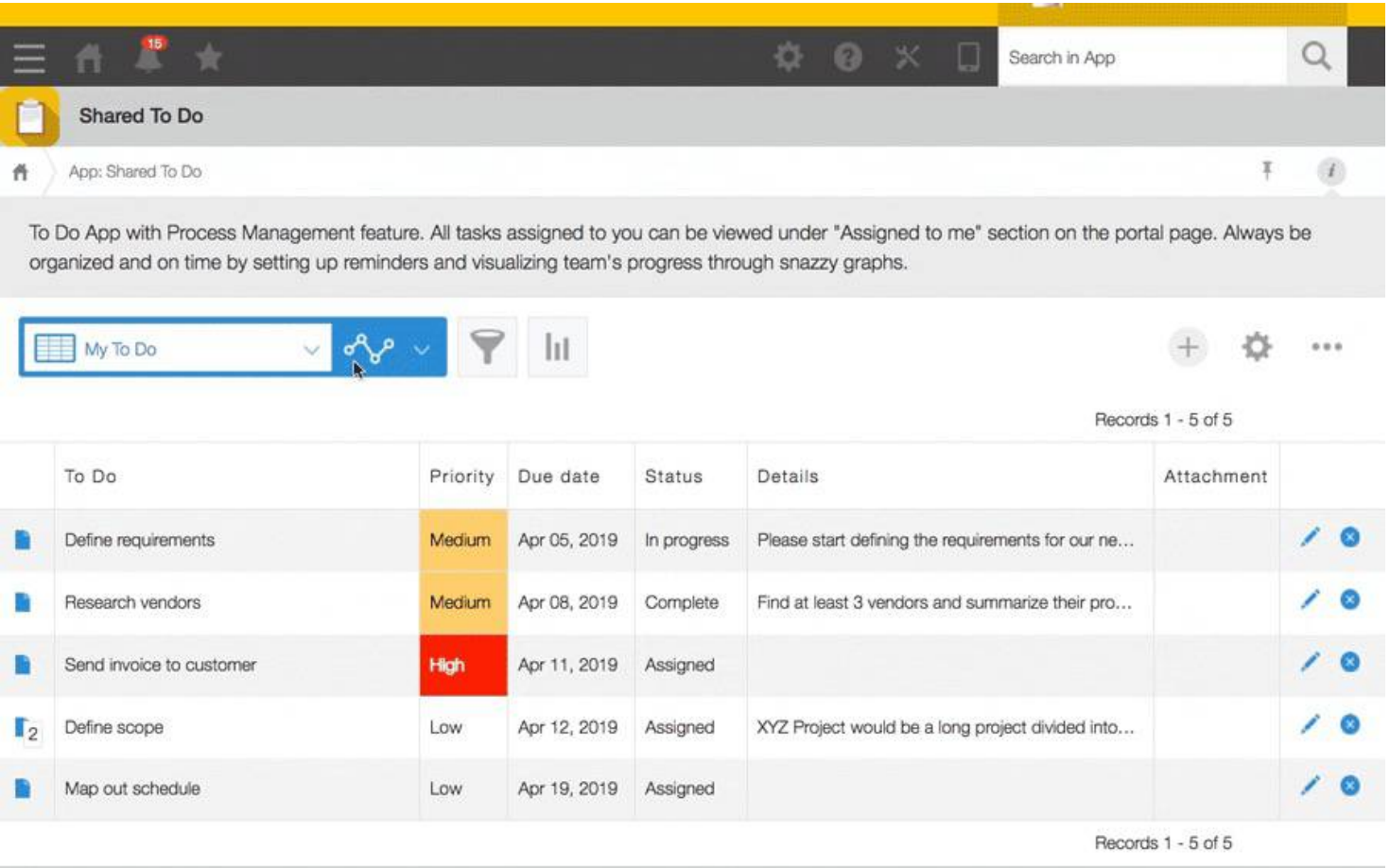
Workflow

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





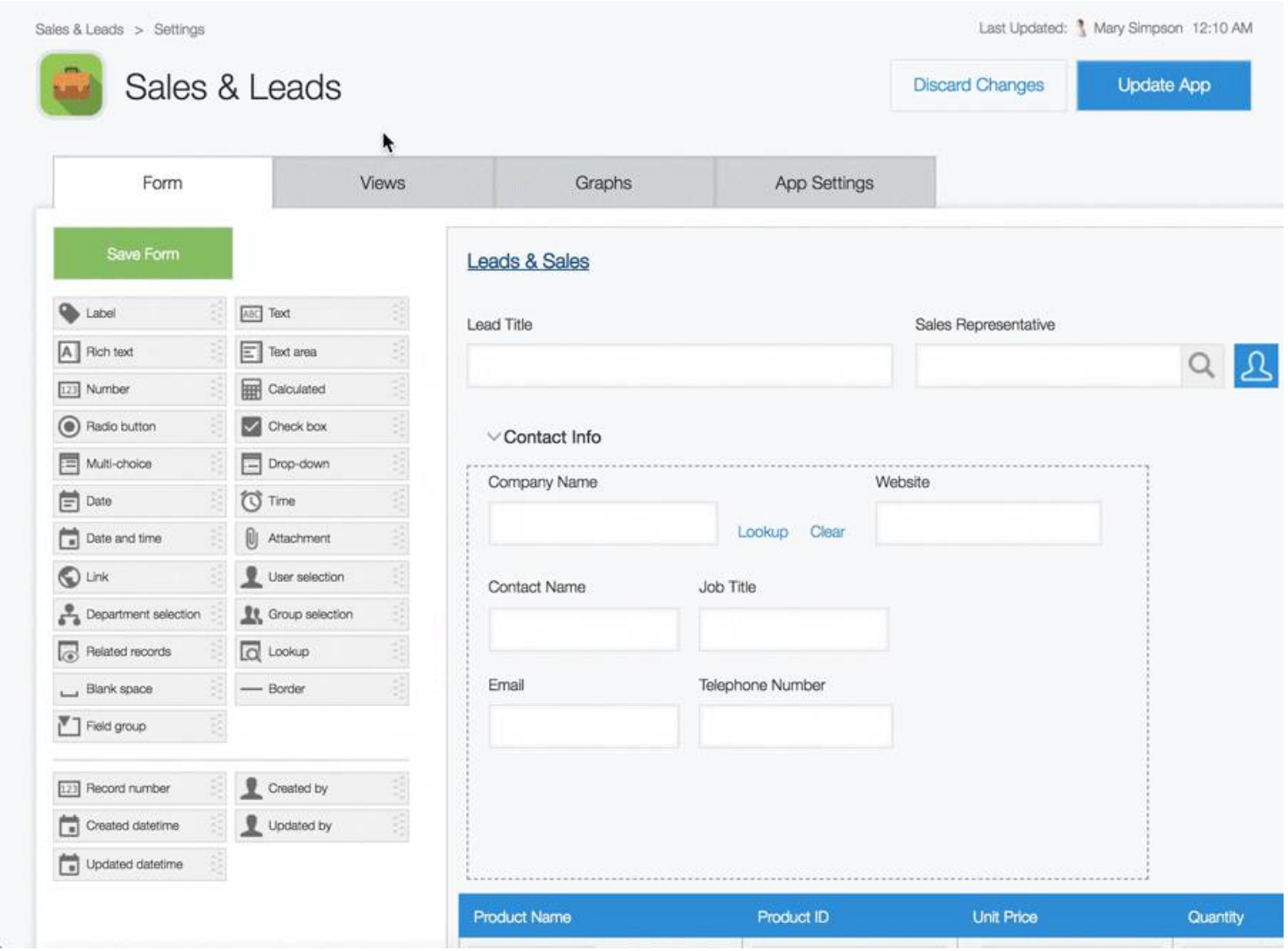
Kintone Apps



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**.

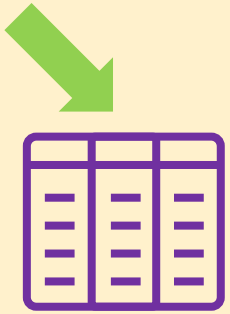
Everyone Contributes!

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

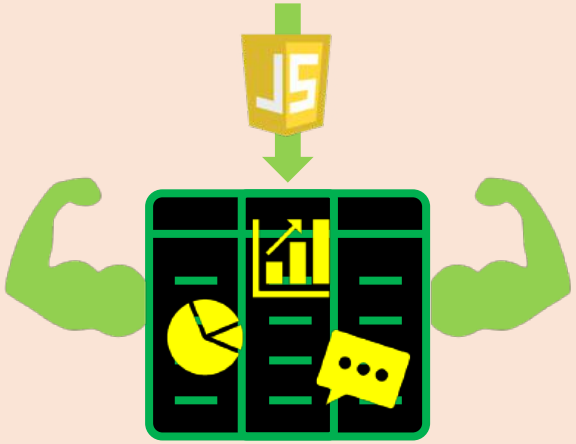
Product Catalog

Knowledge Base



Job Vacancies

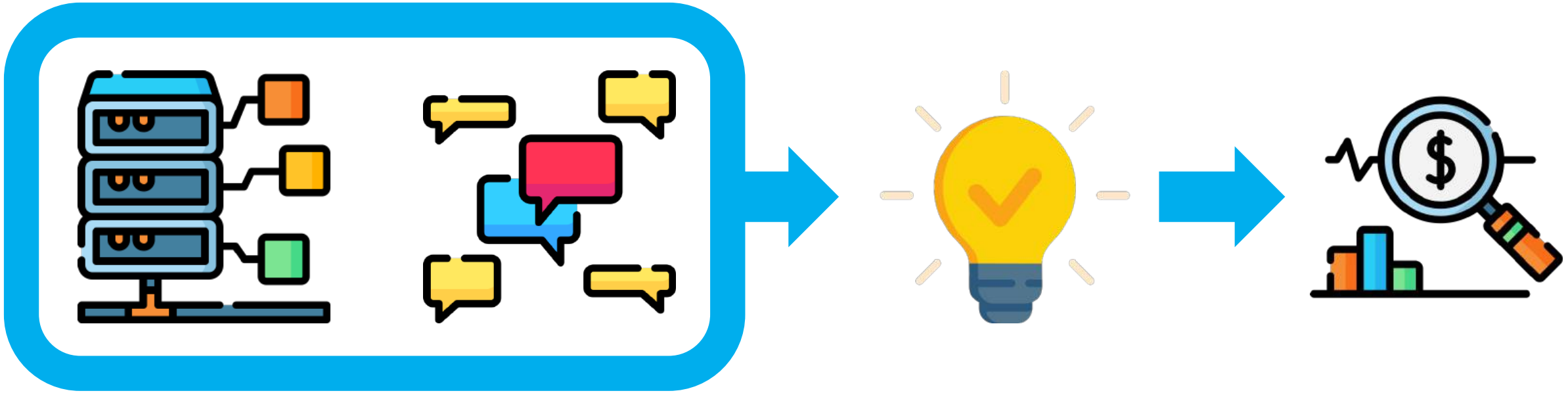
Developers can enhance the Apps with JavaScript



Fulfill the Promise of *Groupware*

Share meaningful insights about the data that become operationalized quickly.

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



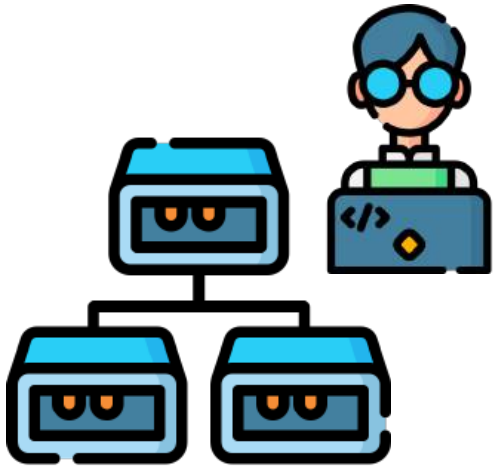
How Developers Contribute

kintone
developer program

How Developers Contribute

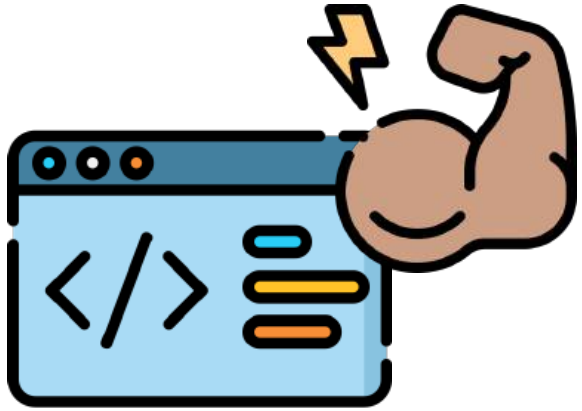
Command Center

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



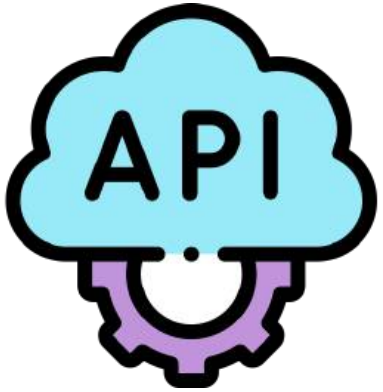
Enhancements

- Develop JavaScript customizations
- Build & share extensions



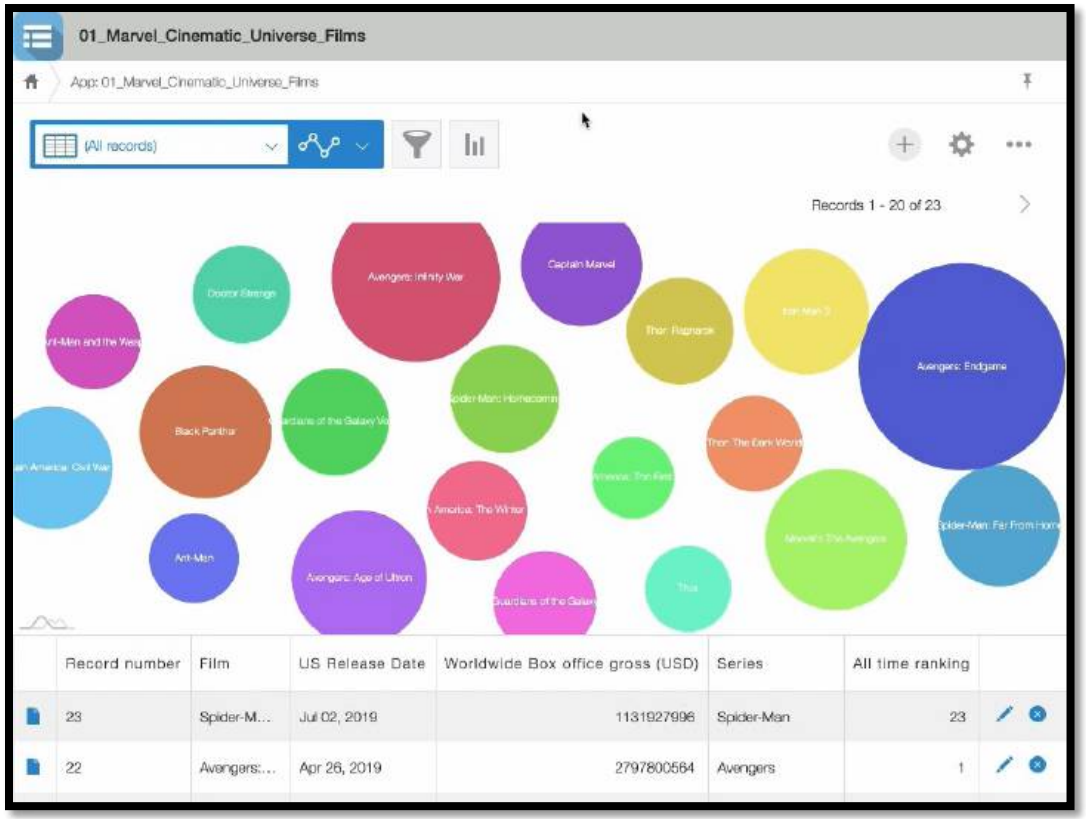
Tools Inside Kintone

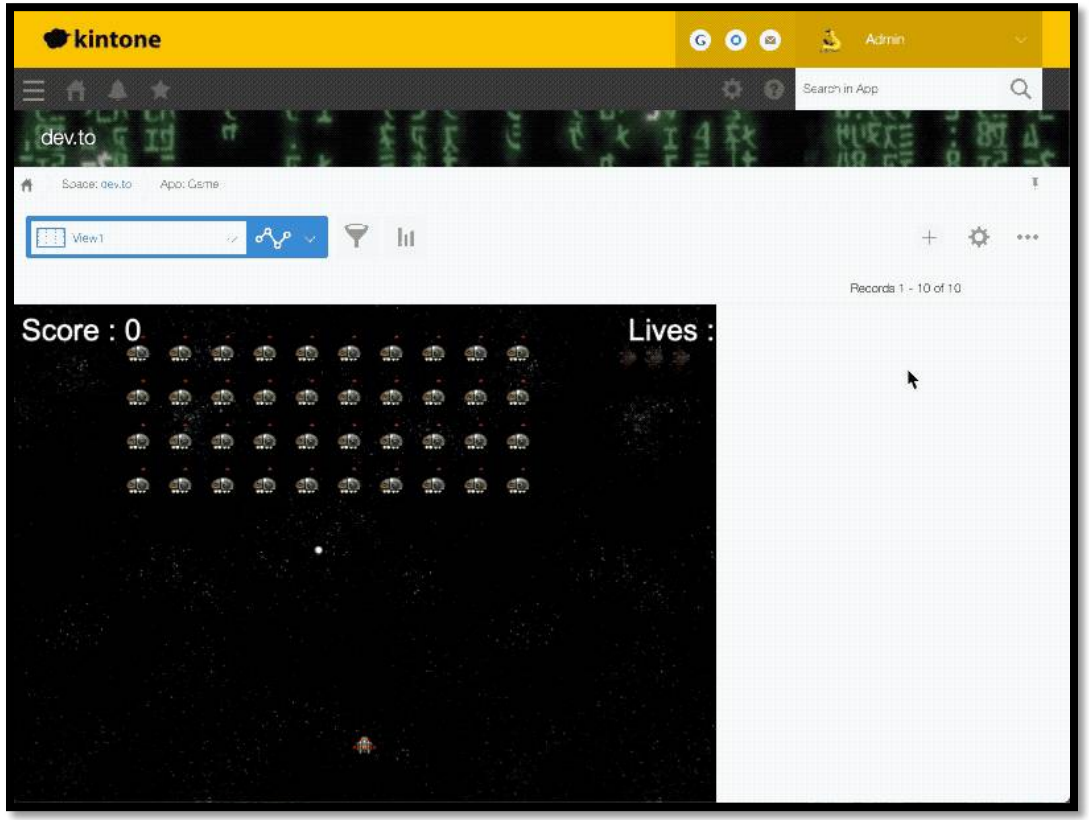
- JavaScript APIs
- REST APIs
- API Tokens
- Webhook
- Plugins
- JavaScript Customizations
- CSS & HTML Customizations
- Precise Permission Controls



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

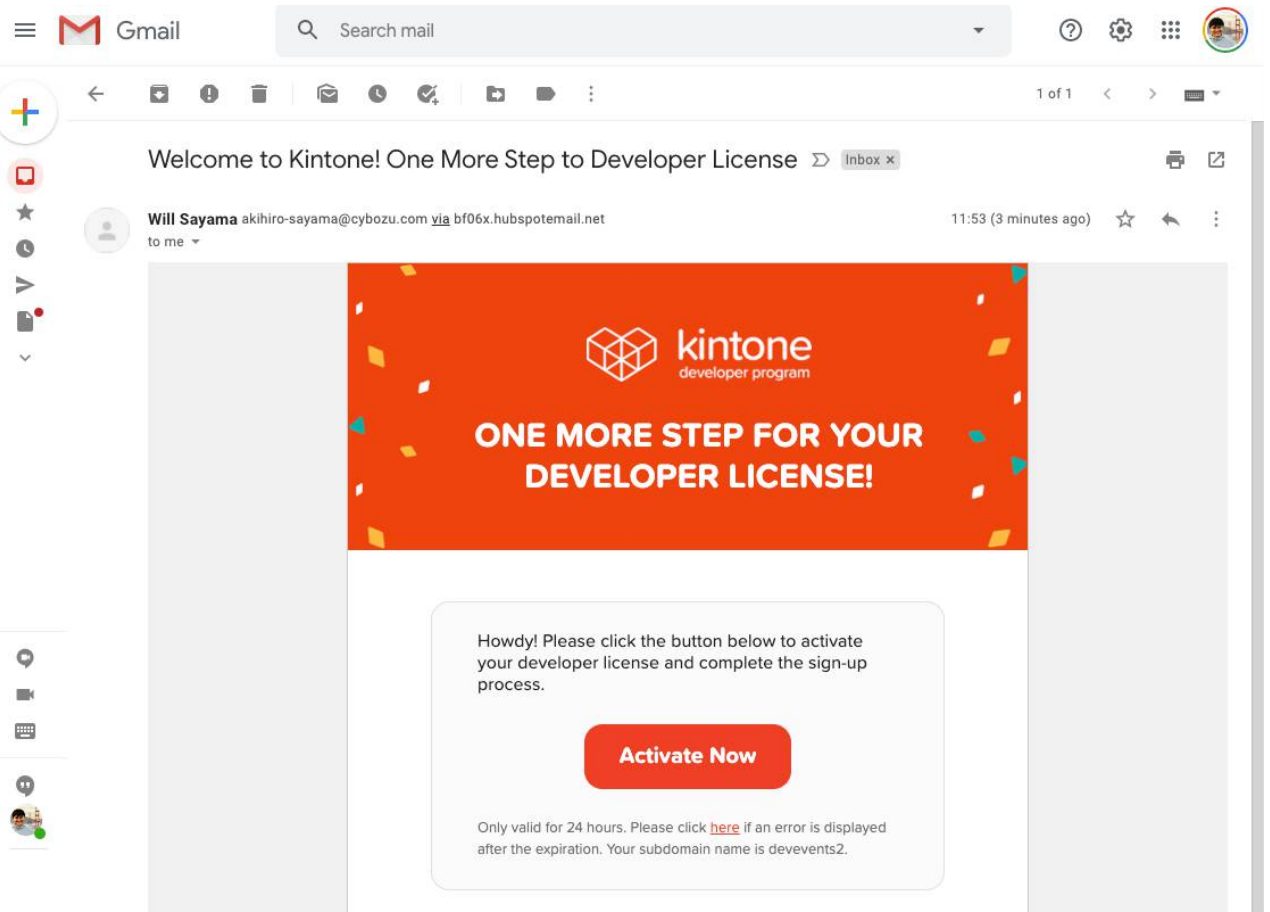
Develop Kintone customizations for customers

Let's Create a Kintone Database App

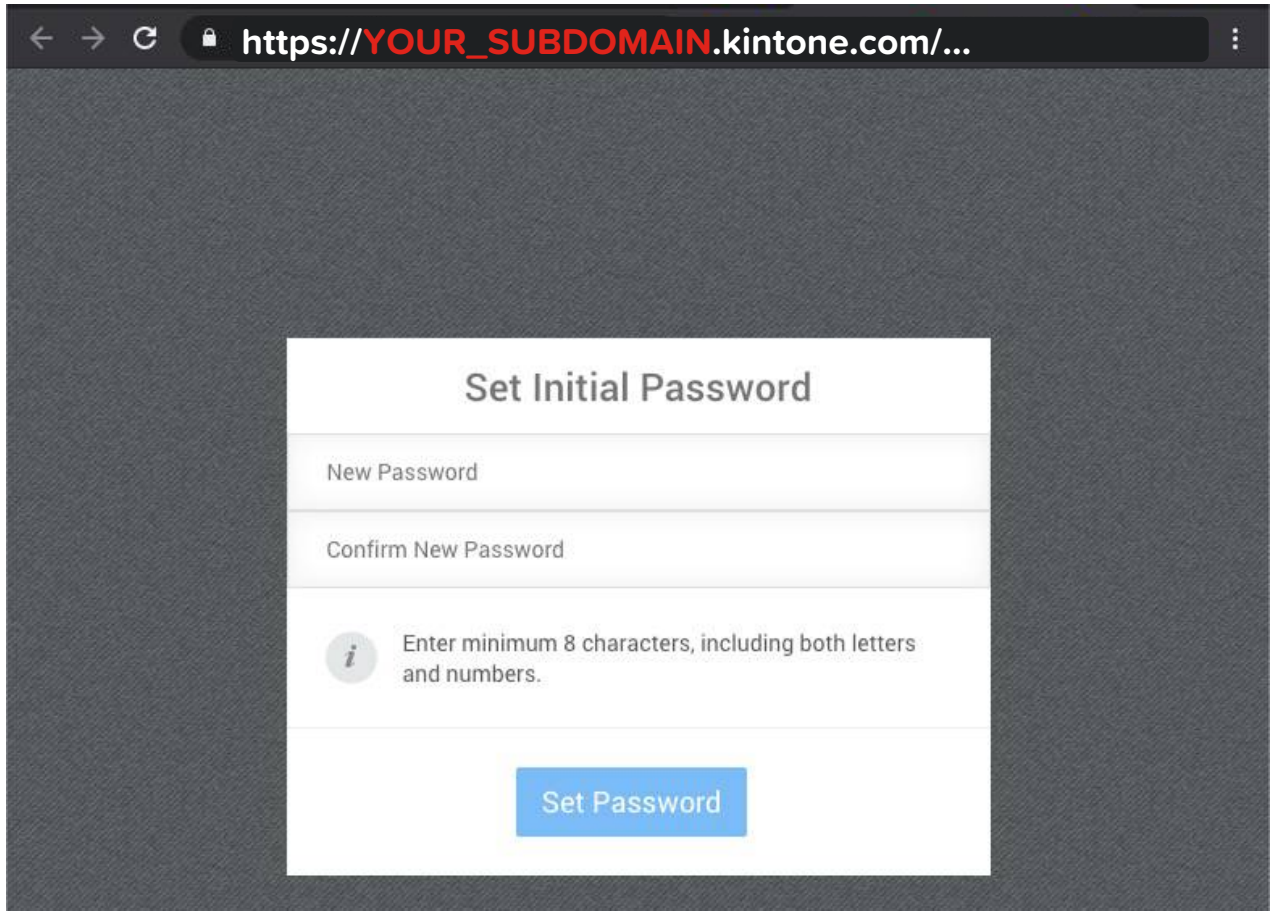
Step-By-Step Guide

Check Your Email

Welcome to Kintone! One More Step To...



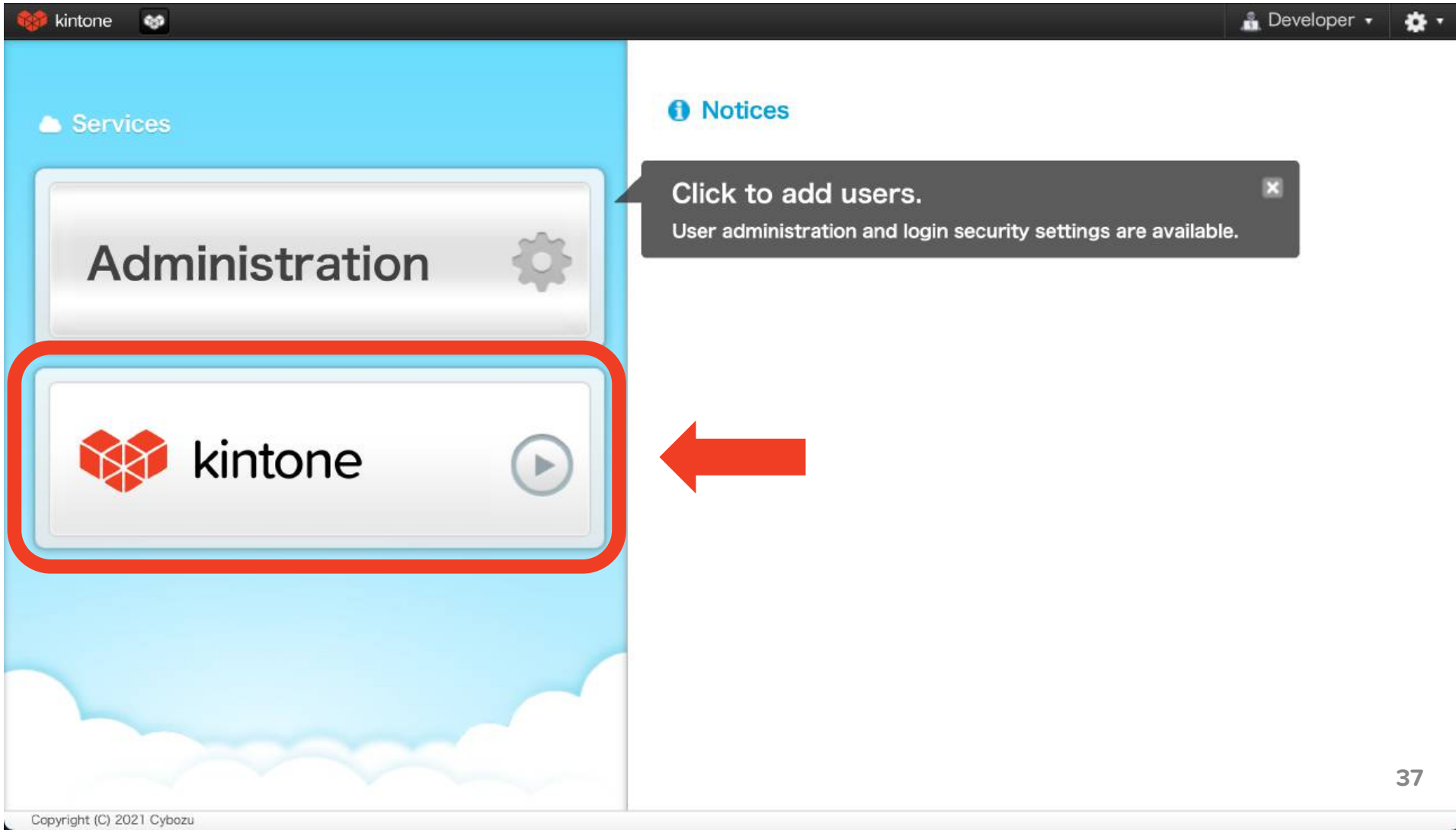
YOUR_SUBDOMAIN.kintone.com



Let's Log into Kintone

Click on Kintone button on the Left side

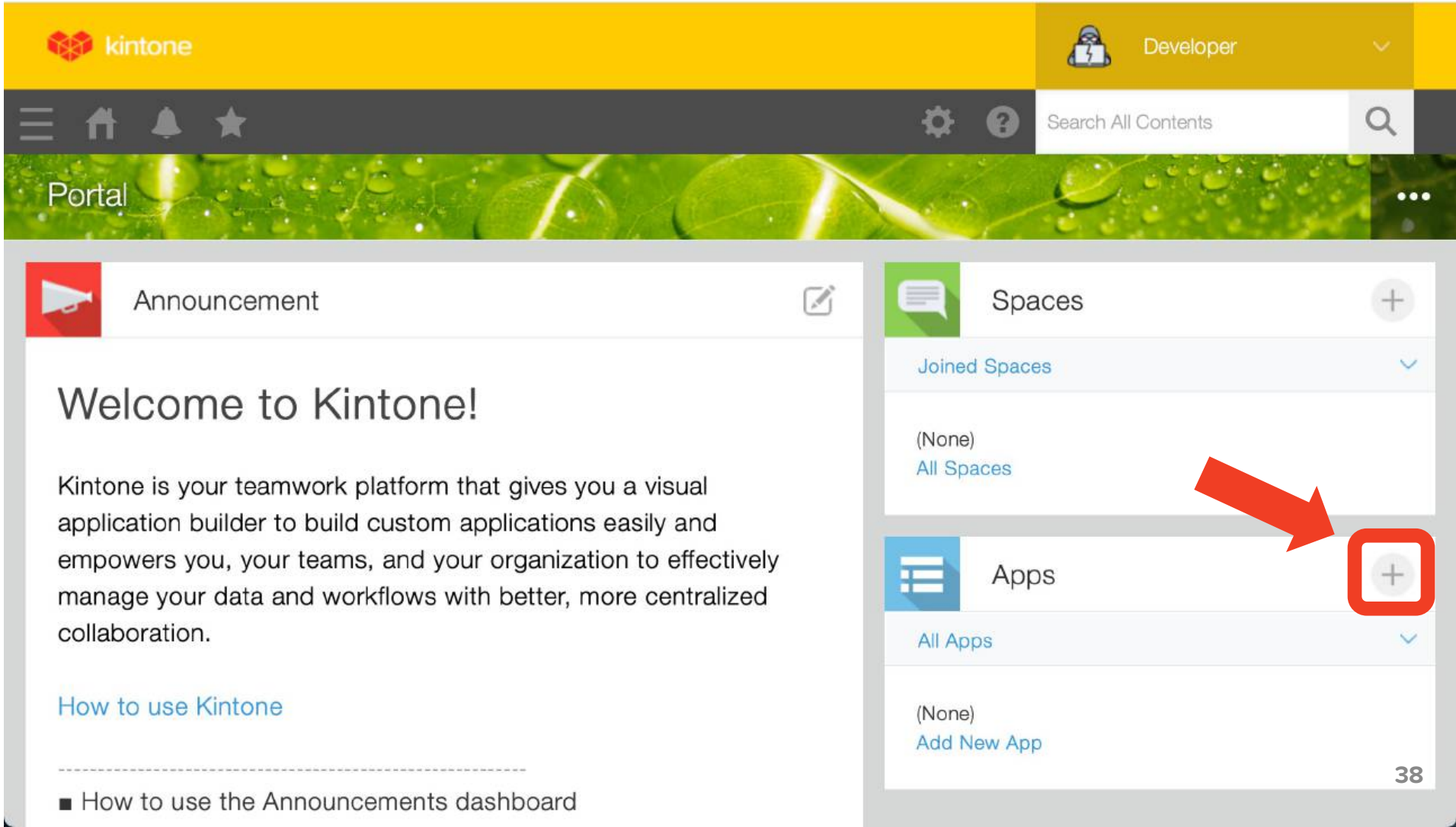
The email has the initial registration link & subdomain



Create a Kintone Database App

From the Portal screen

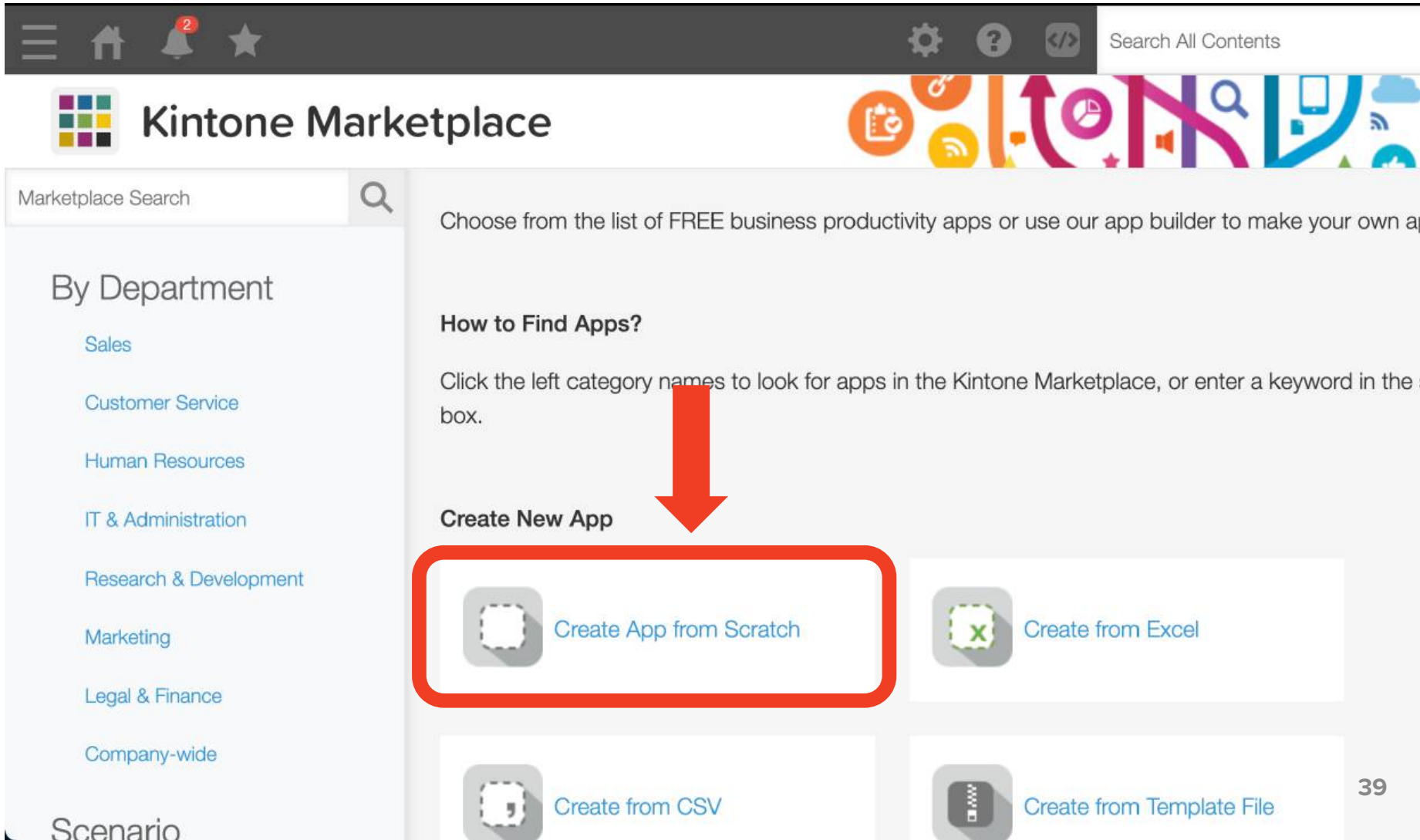
Click the [+] button on the Right side



Create App from Scratch

On Kintone Marketplace...

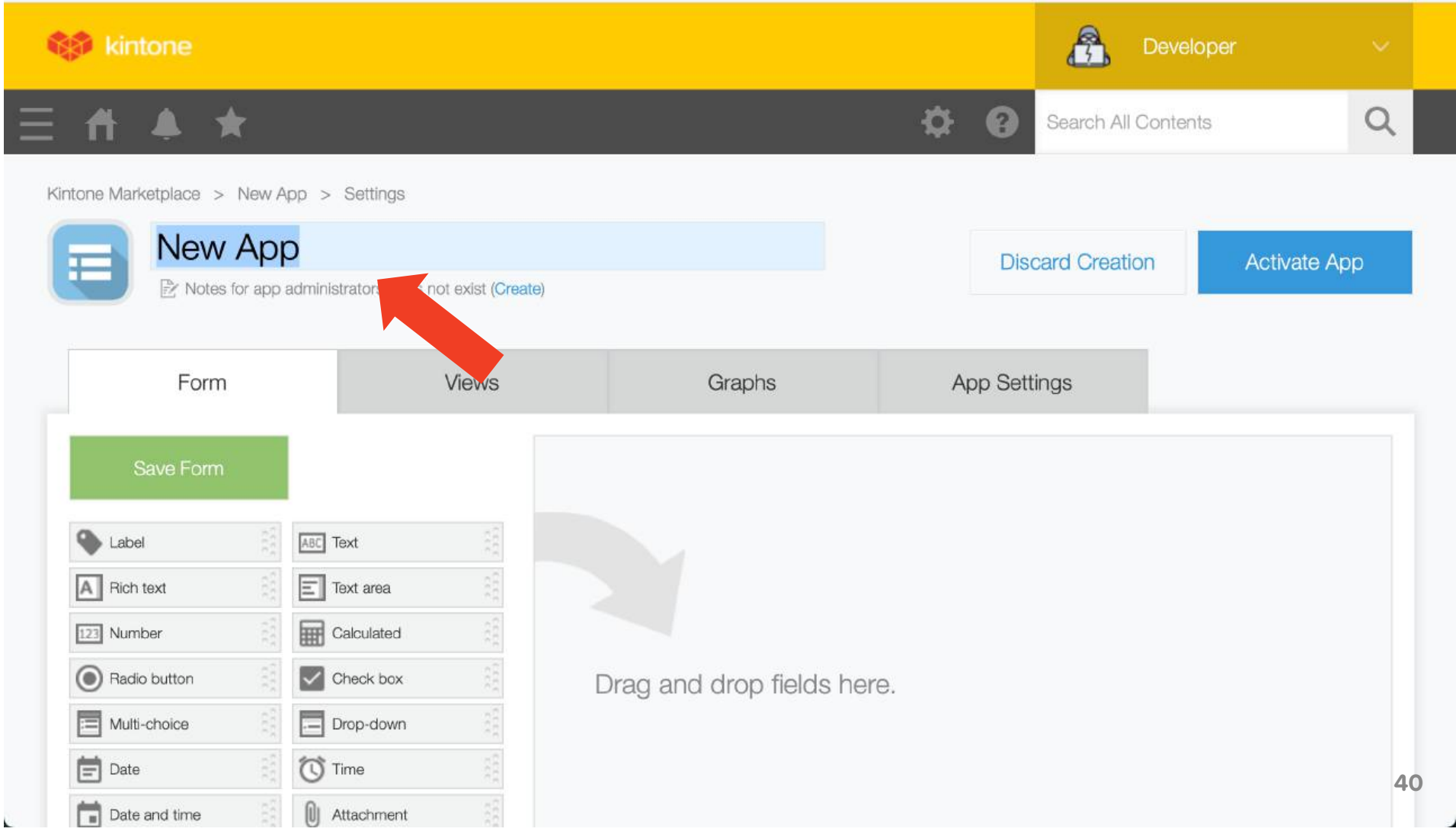
Click on **Create App from Scratch**



Name the App

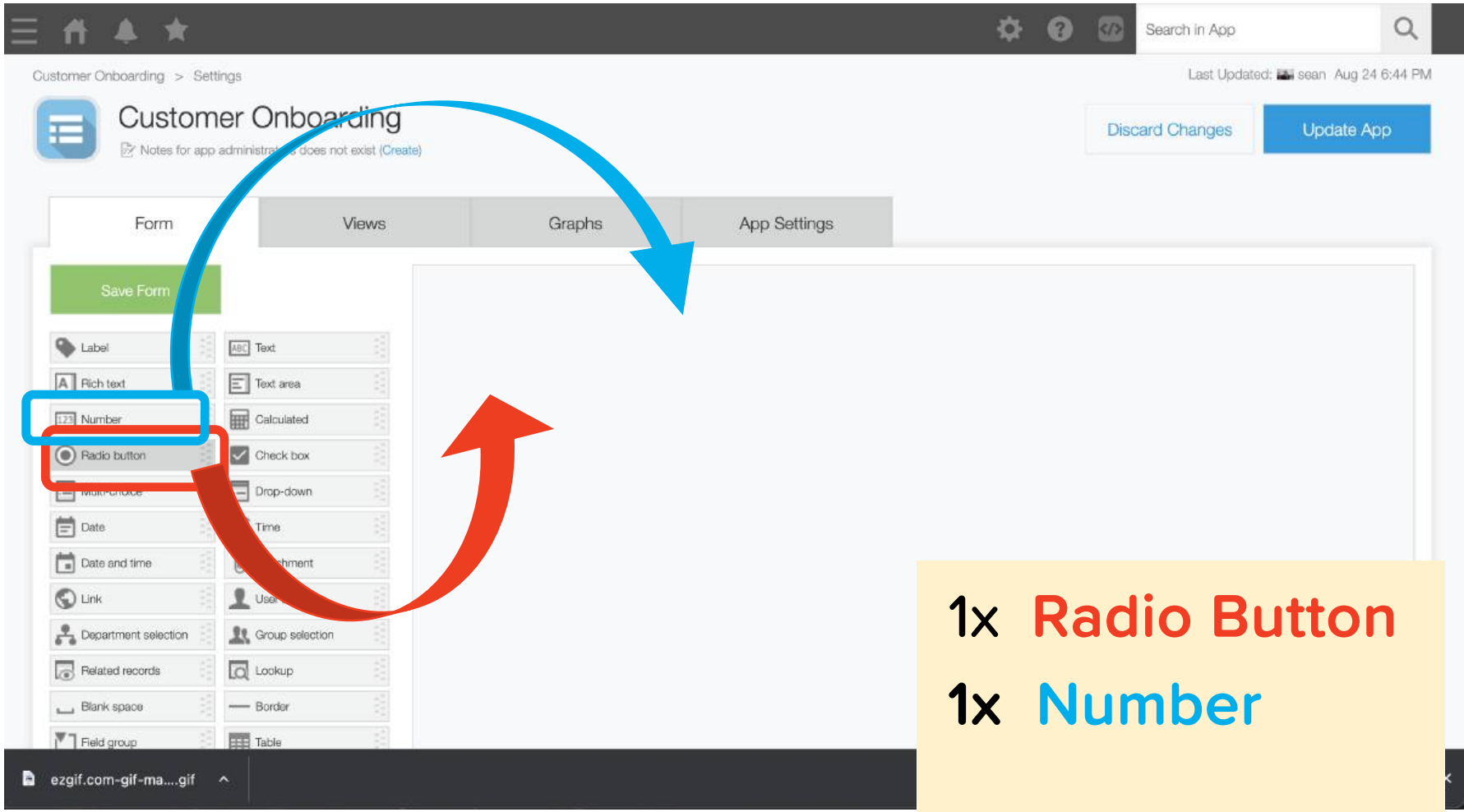
Replace the "New App" with your App's Title

We will input "Customer Onboarding"



Building the App

Drag & drop following fields into the middle area



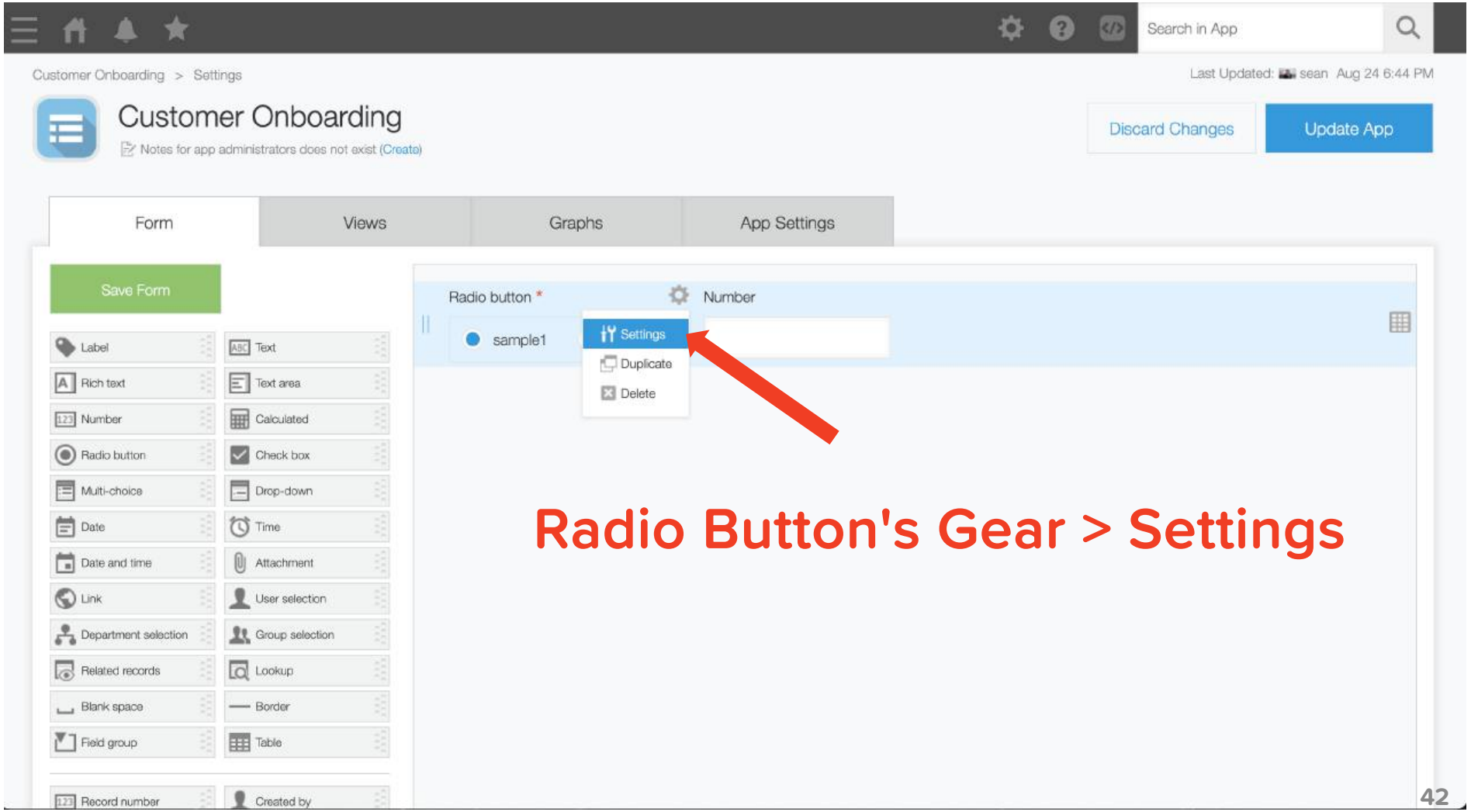
1x Radio Button

1x Number

Configure Fields

Click on the **Gear** on the radio button's left corner.

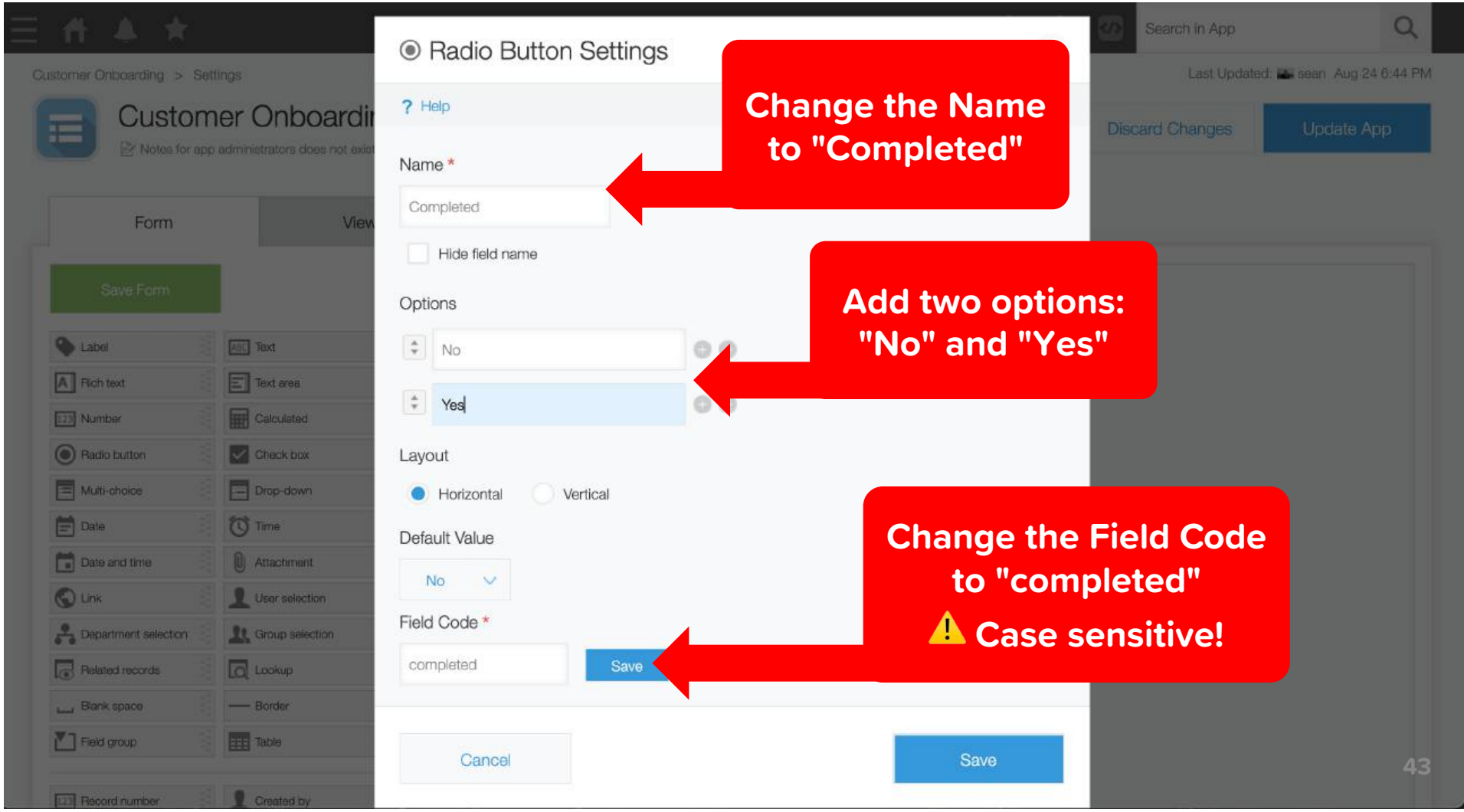
Edit the
Name
&
Field Code



Inside the Radio Button Settings

Click on the **Gear** from the Radio Button's top right corner.

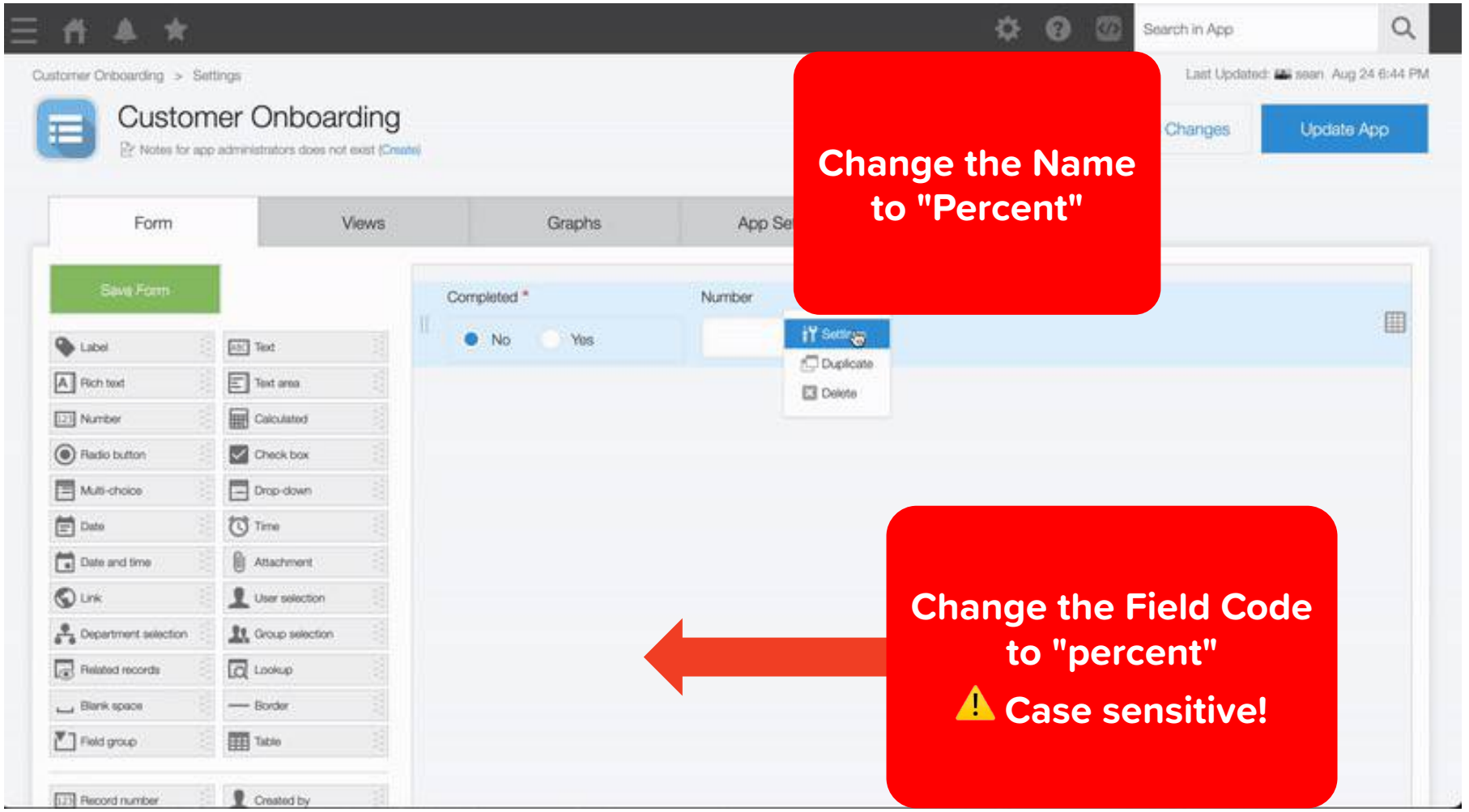
Edit the
Name
&
Field Code
&
Options



Inside the Number Field Settings

Click on the **Gear** in the Number field's top right corner.

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



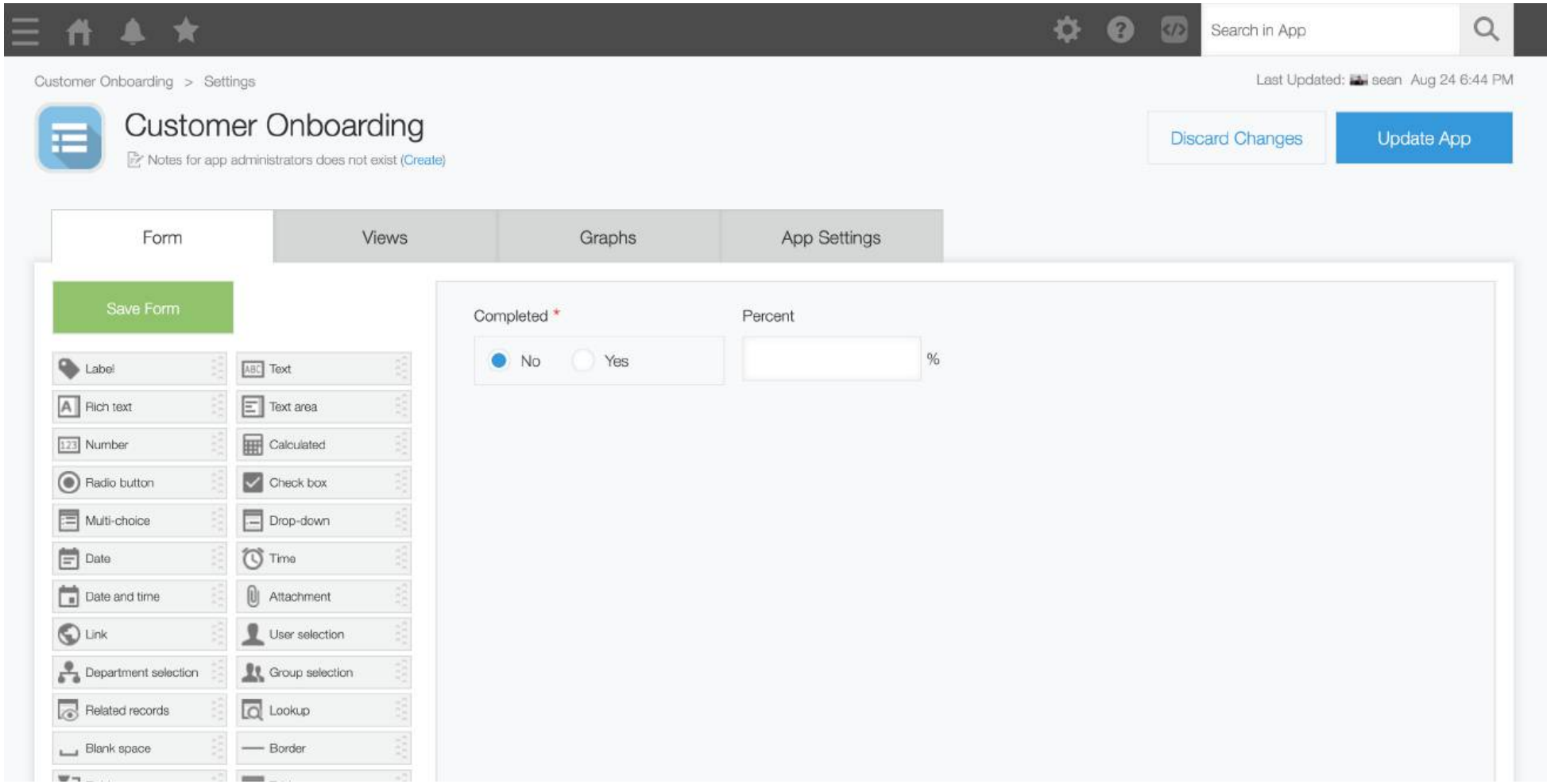
Does Your App Look Like This?

We changed...

- Title
- 1x Radio Button
- 1x Number

Set the fields'

- **Names**
- **Field Codes**



Activate the Kintone Database App

Click on the

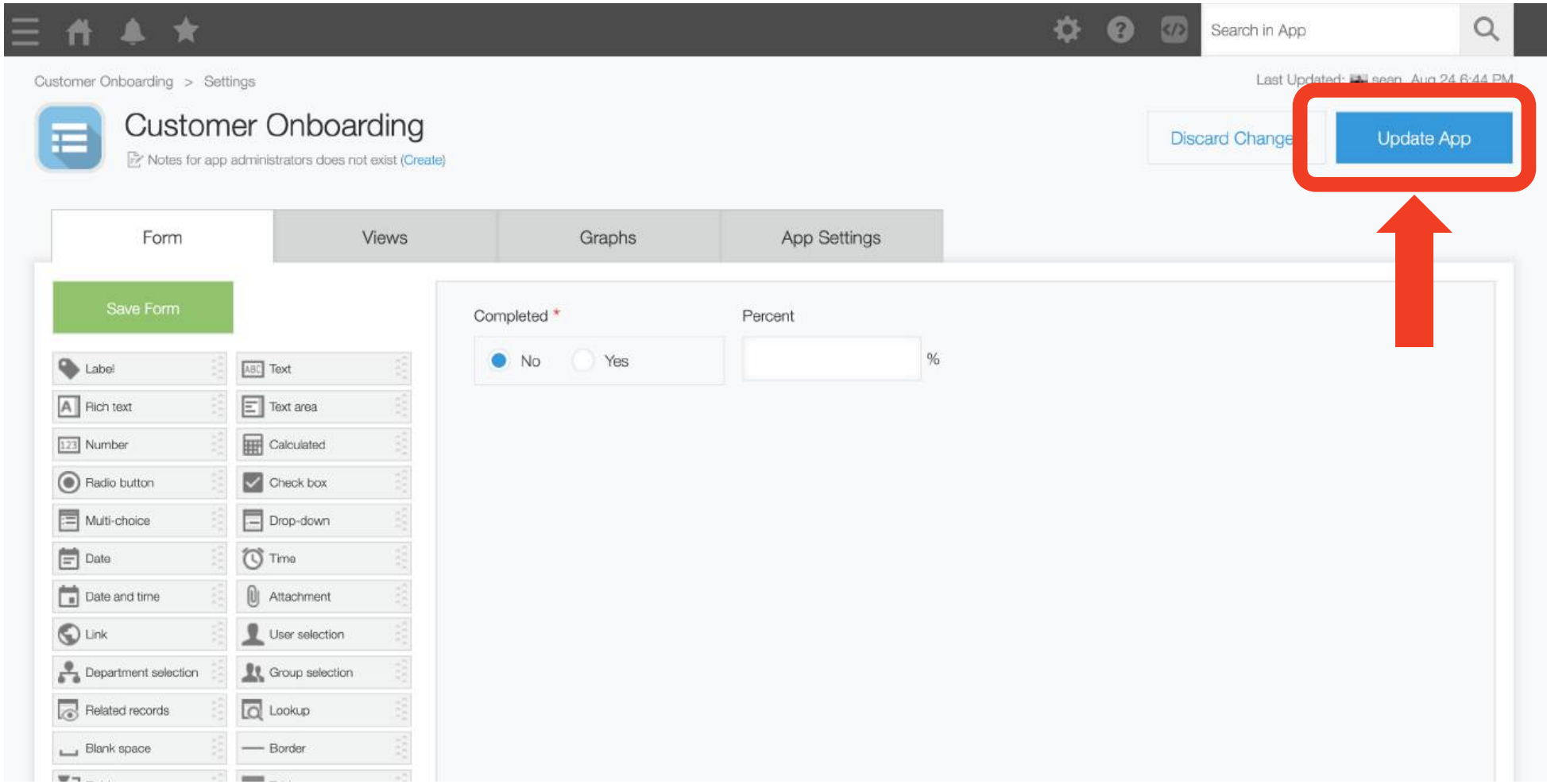
Activate App

or

Update App

button to

implement the changes!



Connect Kintone to the Project

1. Kintone Subdomain
2. App ID
3. API Token

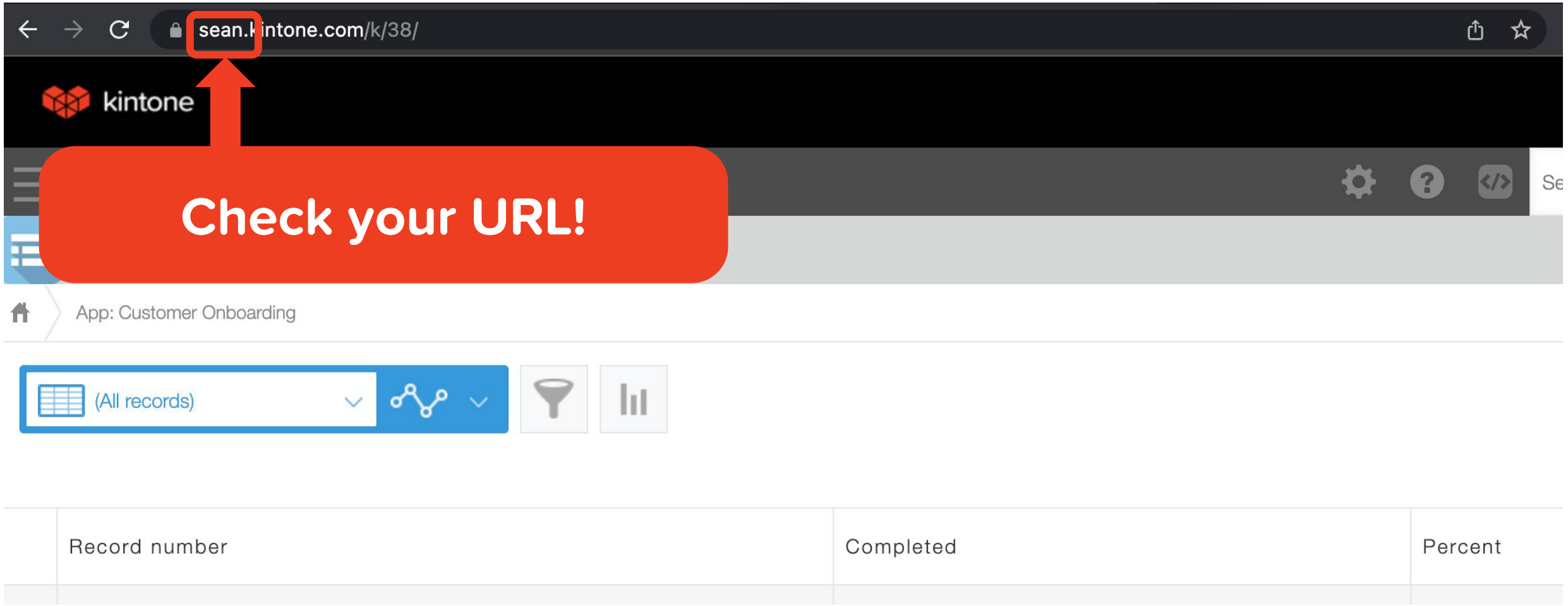
Go inside the .env.example file

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

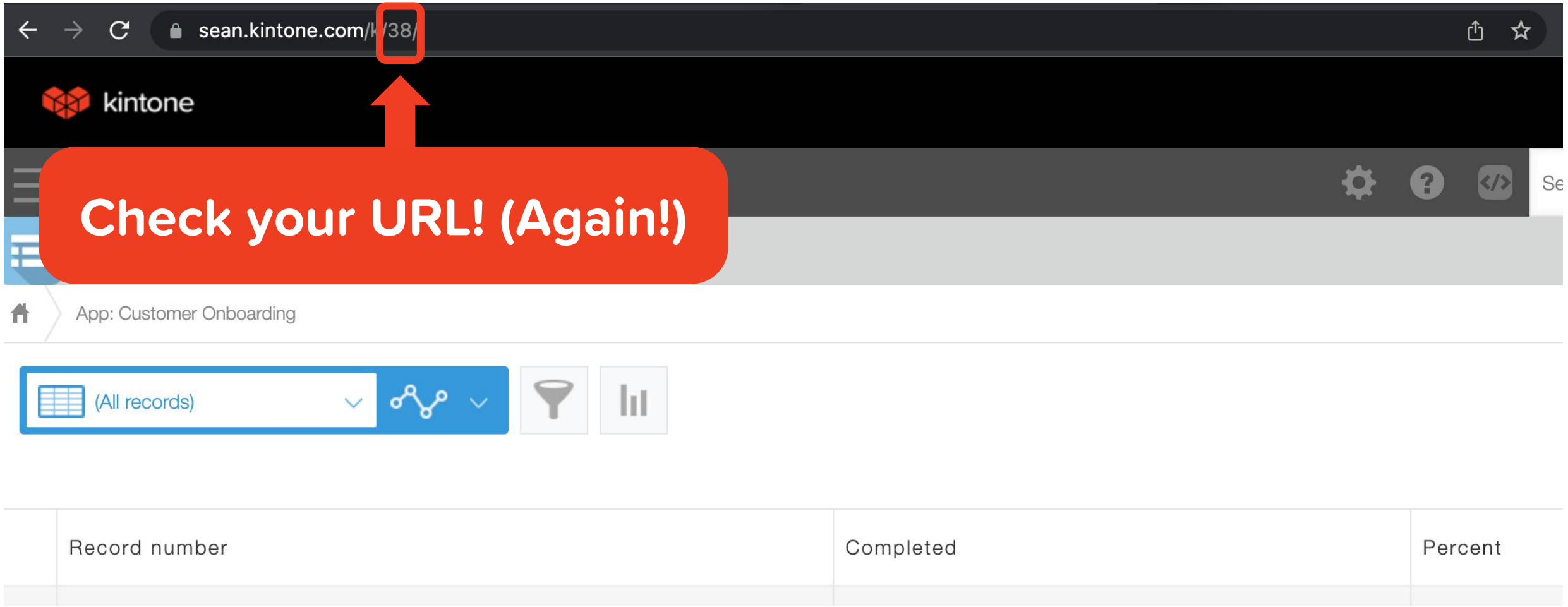
```
SUBDOMAIN = "example"
APPID = "1"
APITOKEN = "SfJi820Xf39DSfjie"
```

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

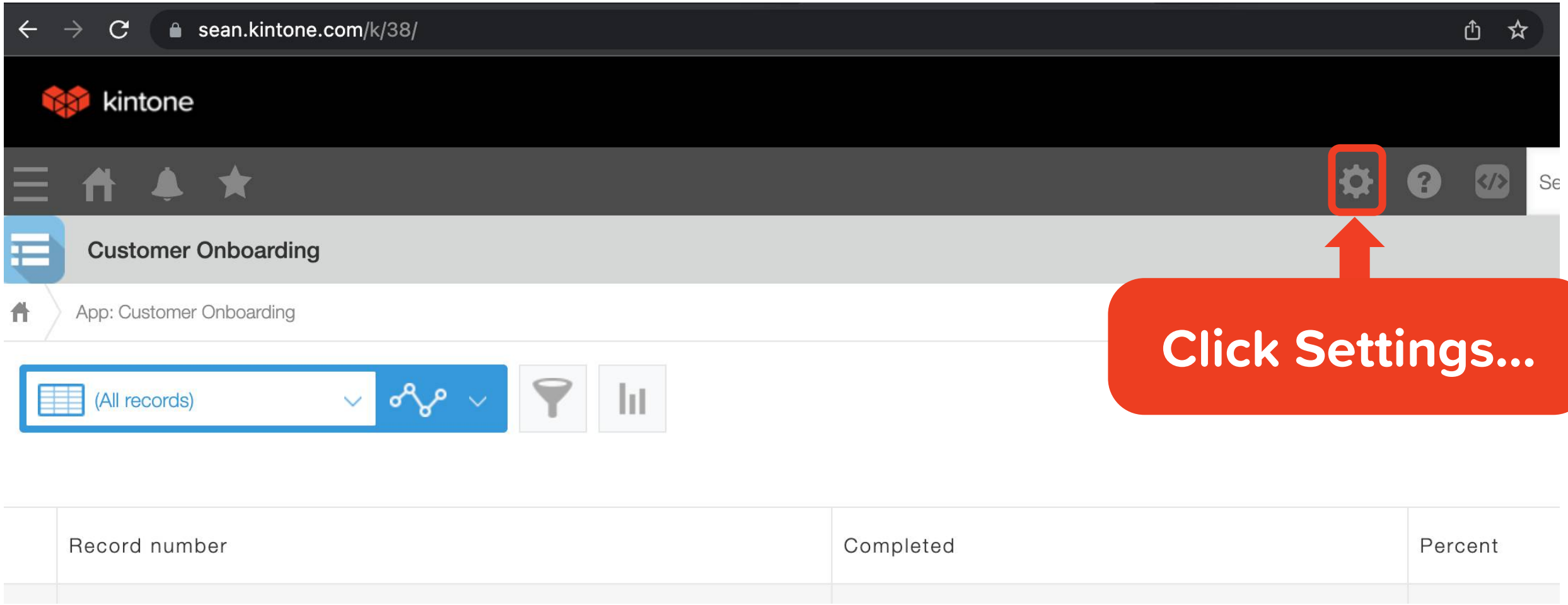
Where to get my Kintone Subdomain?

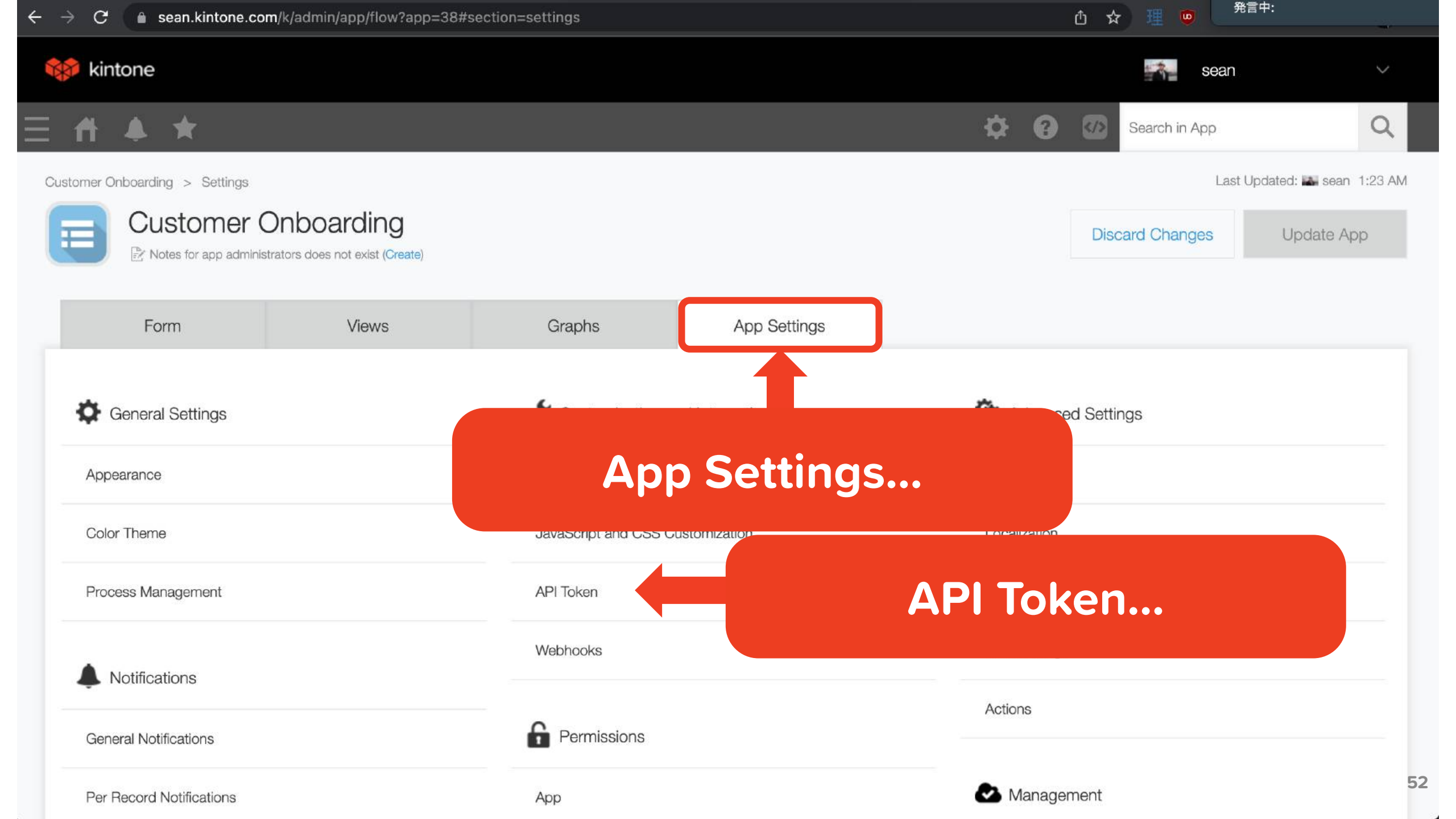


Where to get my App ID?



Where to get my API Token?

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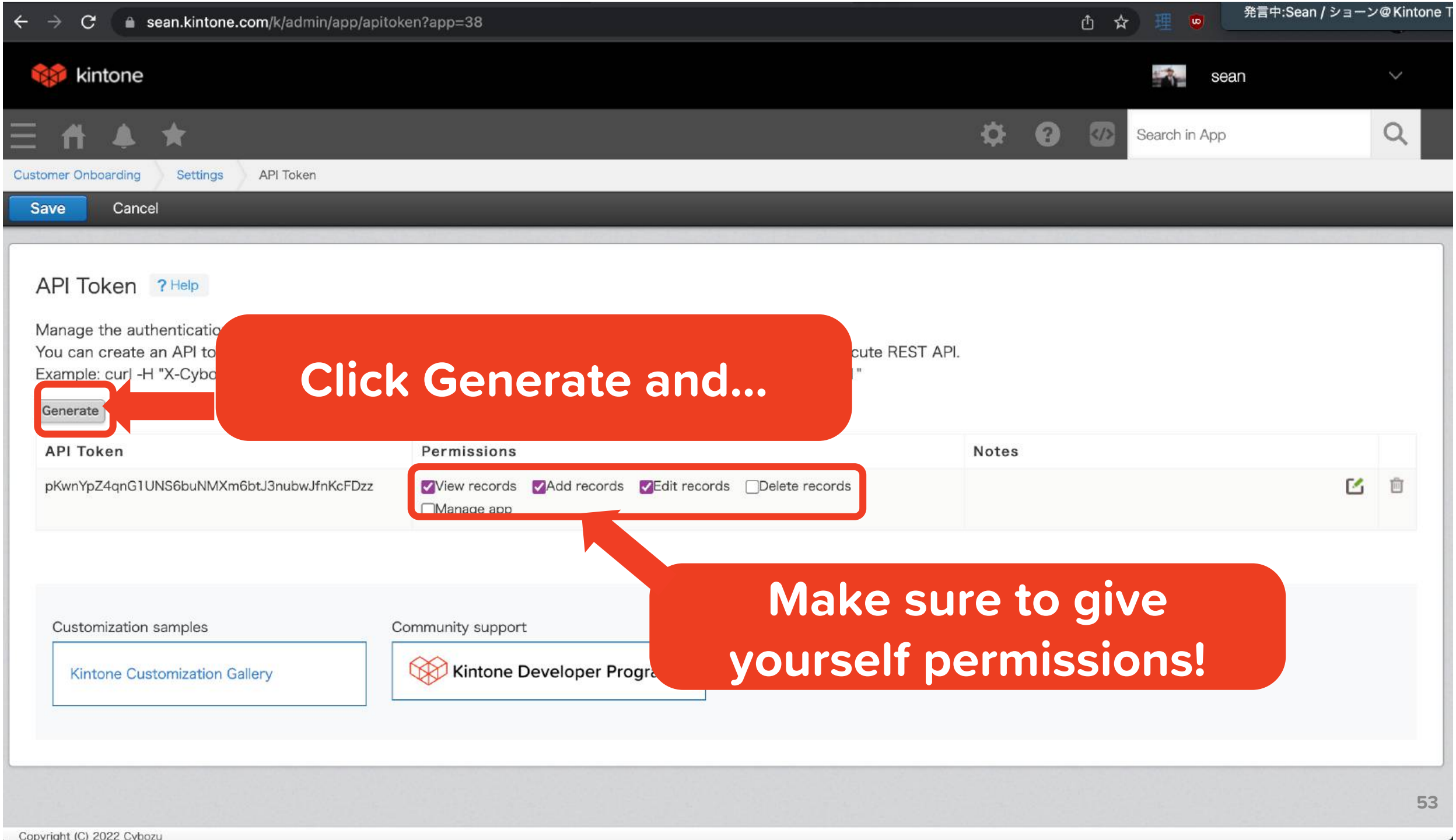
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View records
Add records
Edit records
Delete records
Manage app
Make sure to give yourself permissions!
Customization samples
Kintone Customization Gallery
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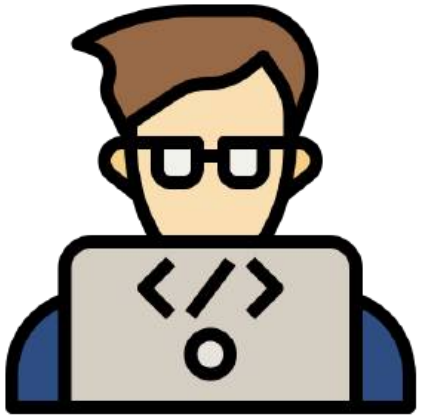
Time to Explore the Code

1. Code overview
2. Create our onboarding experience
3. Refactor our code into components



Three Goals Today

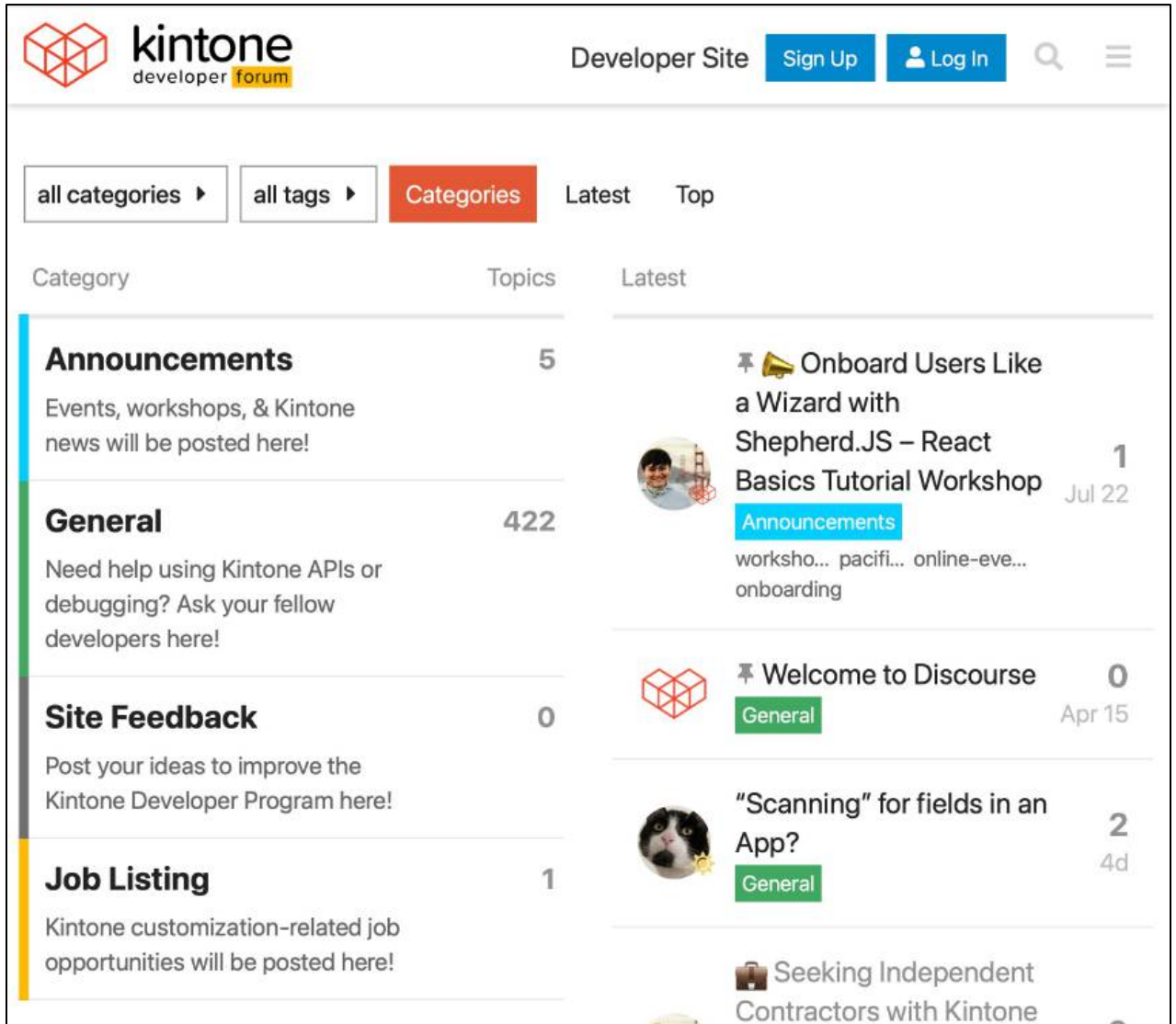
1. Fill out our grid contents
2. Create a ShepherdJS Tour for our contents
3. Refactor our React App for organization

Where Can I Get Help?

If you're stuck, post your question & code on the

Kintone Developer Forum

forum.kintone.com



Any Questions?

kintone.dev

Thank You!

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

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, React x Kintone

bit.ly/KDP_Video

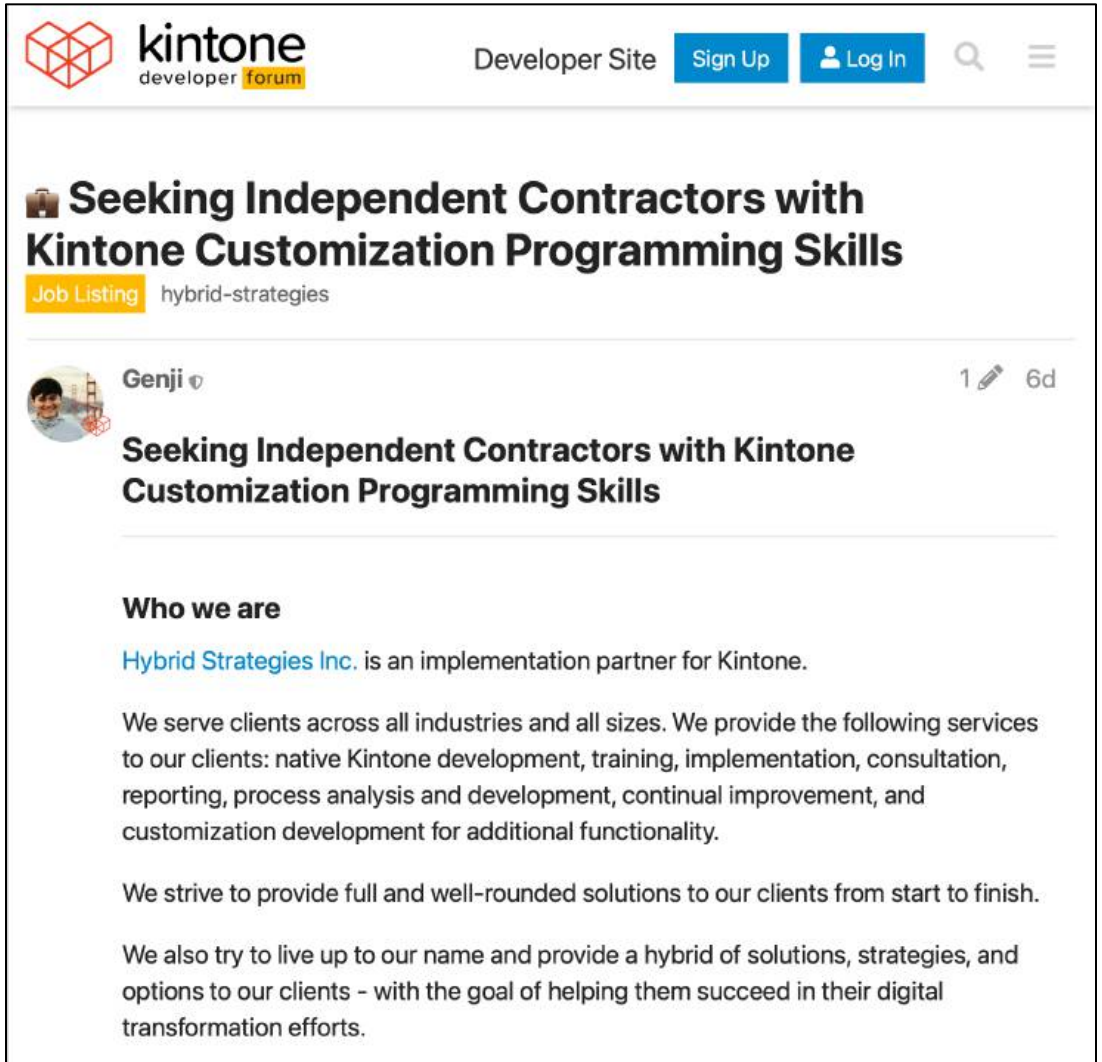
Want a Job?

Our US Partners are looking for programmers to build out Kintone Customizations!

Interested?

Check out the Job Listing Thread over at our Kintone Developer Forum

forum.kintone.dev/c/job-listing/



Thank You for Your Participation!

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

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