



Welcome to the Svelte x Kintone Workshop!

Download Code & Slides

bit.ly/KDP_SVELTE

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 <https://github.com/kintone-workshops/intro-to-svelte> Repo
2. Go inside the folder & install the dependencies!

Run these commands
from your terminal

```
cd Downloads  
git clone https://github.com/kintone-workshops/intro-to-svelte  
cd intro-to-svelte  
npm install && npm run dev
```



Get Your Kintone Subdomain



bit.ly/KDP_NEW

✓ Use Chrome or Firefox

• ✗ NOT Safari

⚡ Accept Cookies First

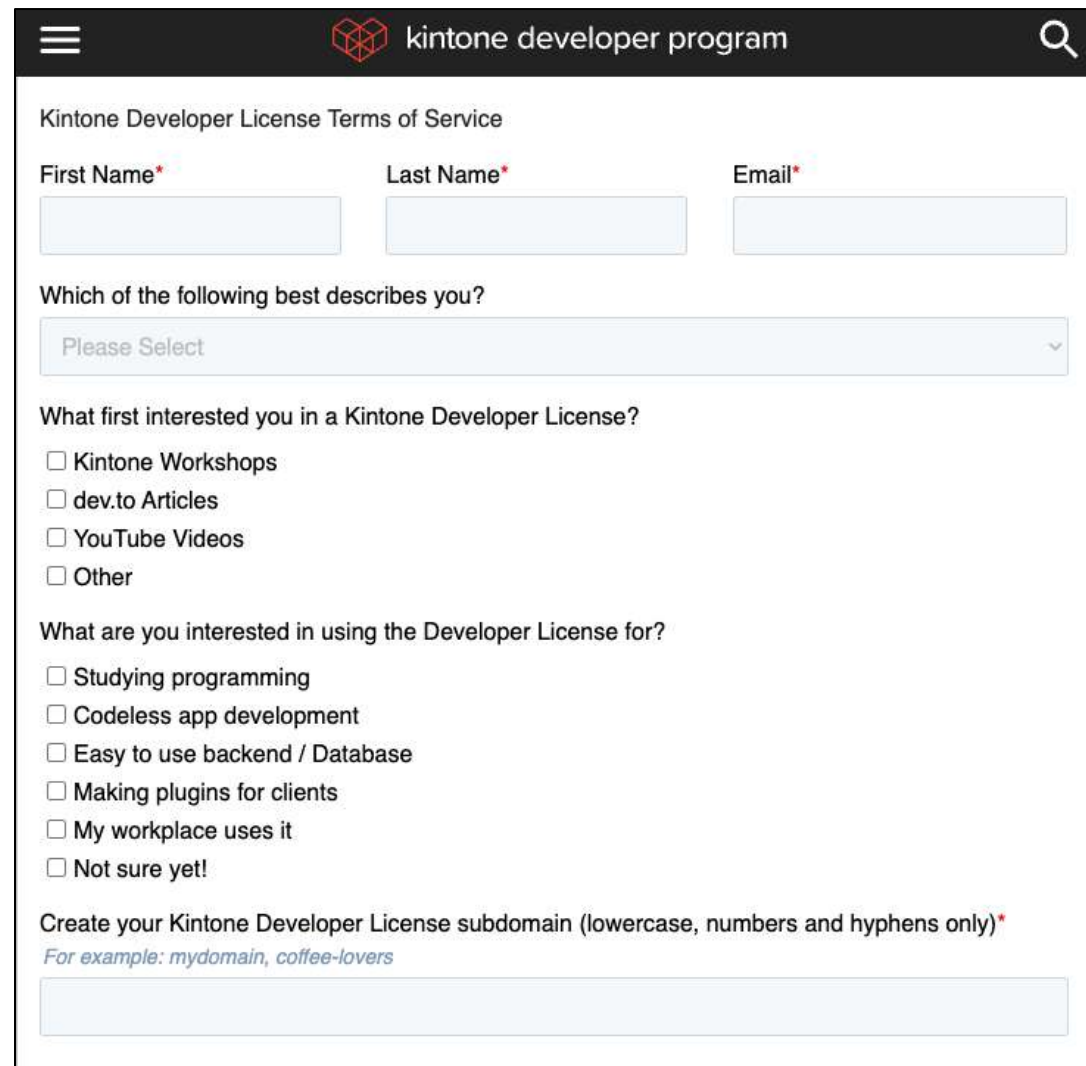
⚠ Only Use

• lowercase [a-z]

• numbers [0-9]

• hyphens [-]

🤖 Ex: cool-robot-v5



The screenshot shows the 'Kintone Developer License Terms of Service' form. It includes fields for 'First Name*', 'Last Name*', and 'Email*'. Below these is a dropdown menu for 'Which of the following best describes you?' with the option 'Please Select'. There are two sections of checkboxes: 'What first interested you in a Kintone Developer License?' (with options: Kintone Workshops, dev.to Articles, YouTube Videos, Other) and 'What are you interested in using the Developer License for?' (with options: Studying programming, Codeless app development, Easy to use backend / Database, Making plugins for clients, My workplace uses it, Not sure yet!). At the bottom, there is a text input field for 'Create your Kintone Developer License subdomain (lowercase, numbers and hyphens only)*' with an example: 'For example: mydomain, coffee-lovers'.



Get Your Kintone Subdomain



The login name is your email

Remember your subdomain!
Your Kintone's login link will be
YOUR_SUBDOMAIN.kintone.com

The screenshot shows the 'Kintone Developer License Terms of Service' registration page. It includes a header with the Kintone logo and 'kintone developer program'. The form contains several sections: a top section with 'First Name*', 'Last Name*', and 'Email*' input fields; a dropdown menu for 'Which of the following best describes you?'; a section titled 'What first interested you in a Kintone Developer License?' with checkboxes for 'Kintone Workshops', 'dev.to Articles', 'YouTube Videos', and 'Other'; another section titled 'What are you interested in using the Developer License for?' with checkboxes for 'Studying programming', 'Codeless app development', 'Easy to use backend / Database', 'Making plugins for clients', 'My workplace uses it', and 'Not sure yet!'; and a final section for 'Create your Kintone Developer License subdomain (lowercase, numbers and hyphens only)*' with a text input field and an example 'mydomain, coffee-lovers'. A green arrow points to the 'Email*' field, and a blue arrow points to the subdomain input field.

Kintone Developer License Terms of Service

First Name* Last Name* Email*

Which of the following best describes you?

Please Select

What first interested you in a Kintone Developer License?

- ☐ Kintone Workshops
- ☐ dev.to Articles
- ☐ YouTube Videos
- ☐ Other

What are you interested in using the Developer License for?

- ☐ Studying programming
- ☐ Codeless app development
- ☐ Easy to use backend / Database
- ☐ Making plugins for clients
- ☐ My workplace uses it
- ☐ Not sure yet!

Create your Kintone Developer License subdomain (lowercase, numbers and hyphens only)*

For example: mydomain, coffee-lovers



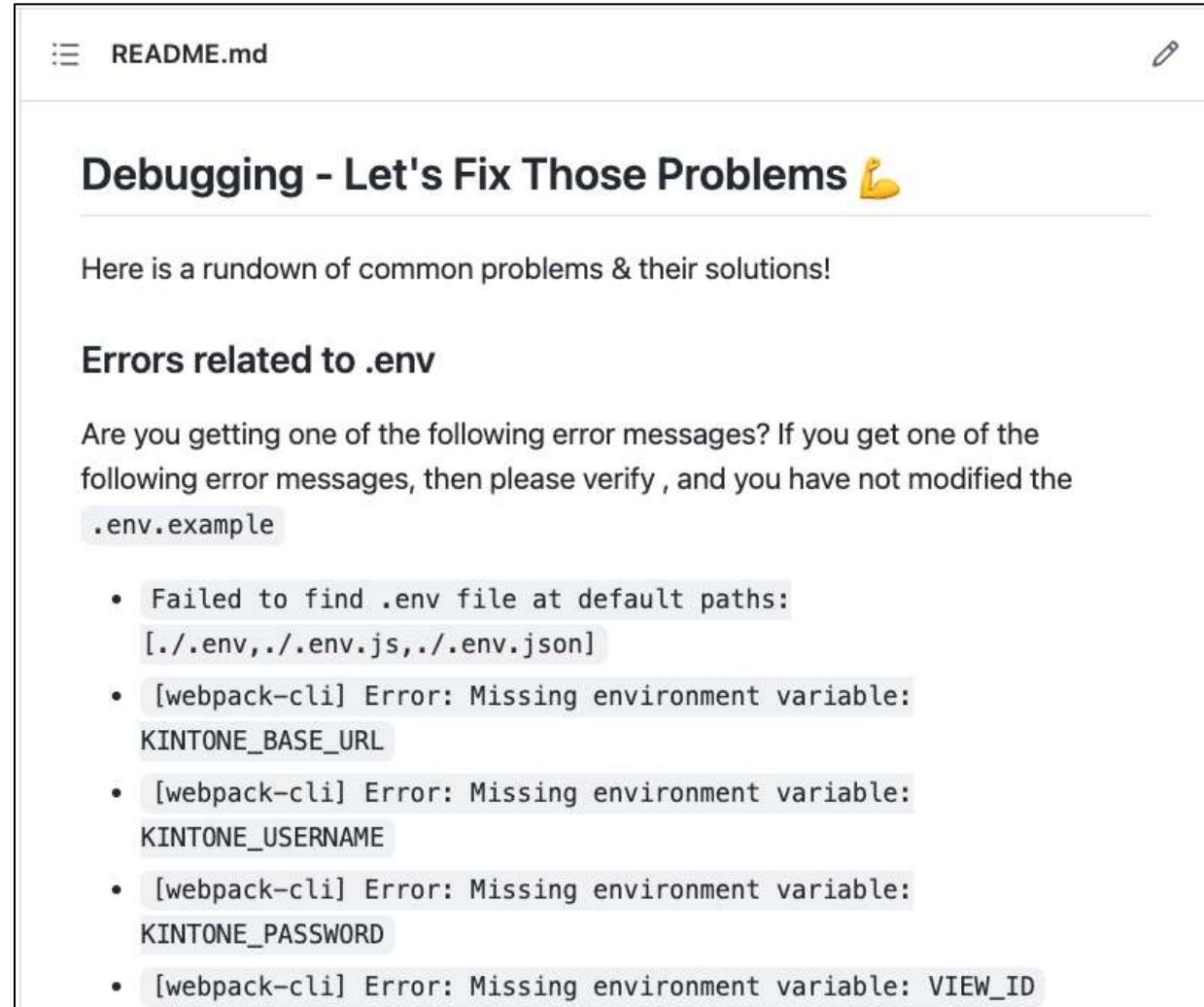
When You Need Help 💪

Resources:

- [README's Debugging section](#)
- Posting questions in the chat

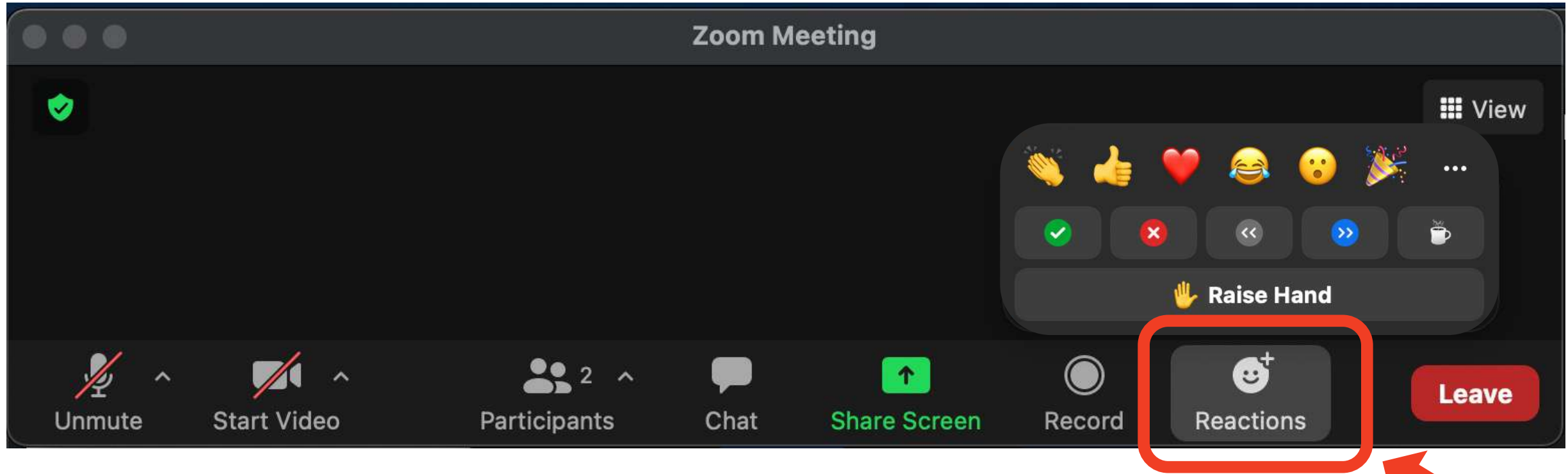
**Post questions in the chat
anytime!**

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

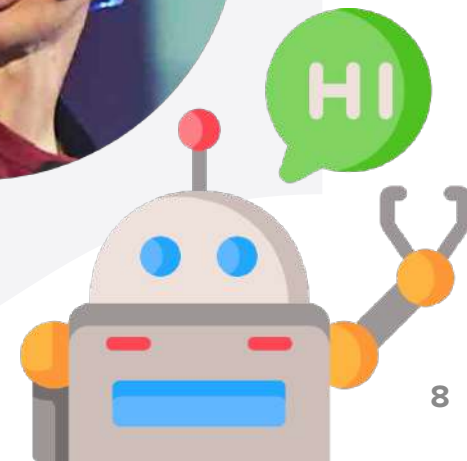
Sean



Genji



Will



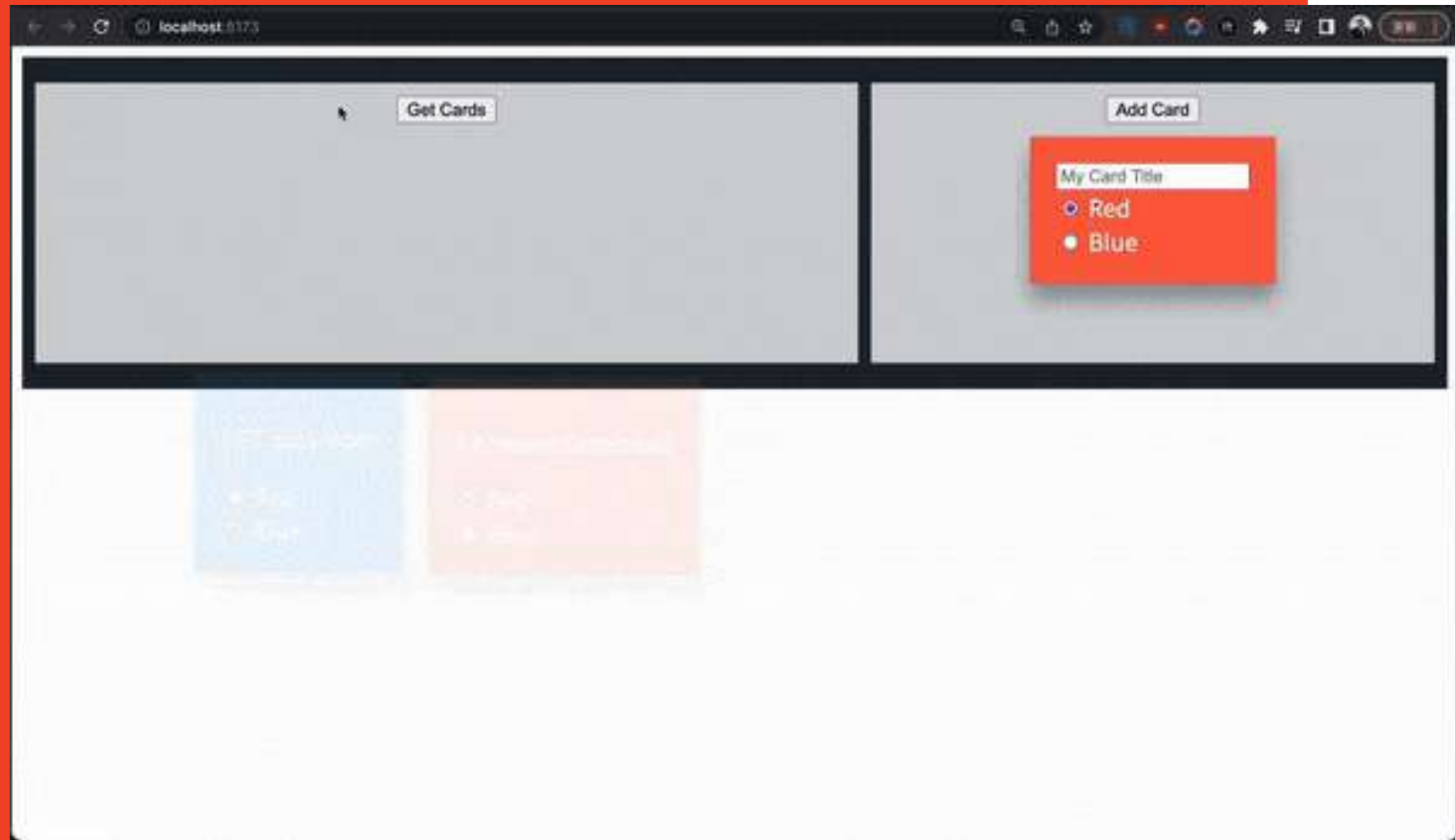
LEARN TO CODE JAVASCRIPT



SVELTE

Join a Free
Beginner's
Workshop
Oct 26 at 6 PM
Pacific

What We Will Make Today





Workshop Overview

Project Setup

- Project Overview
- Install Dependencies
- Create a .env file
- Create a Web Database

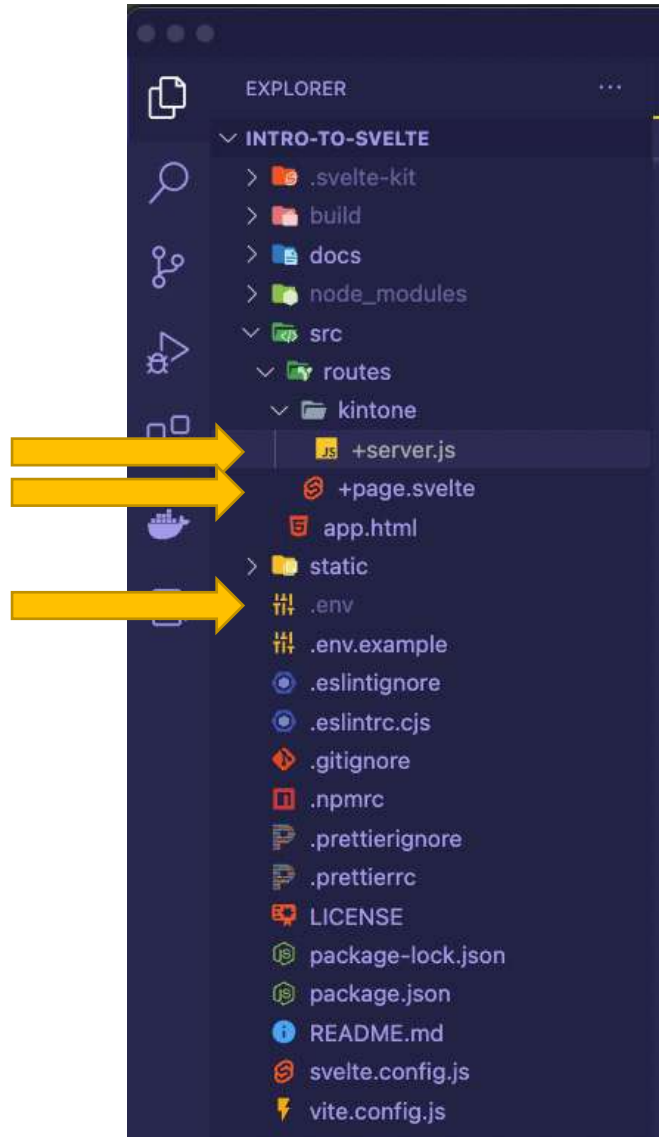
Coding

- Code our front-end card HTML
- Code our front end GET request
- Code our back-end API calls

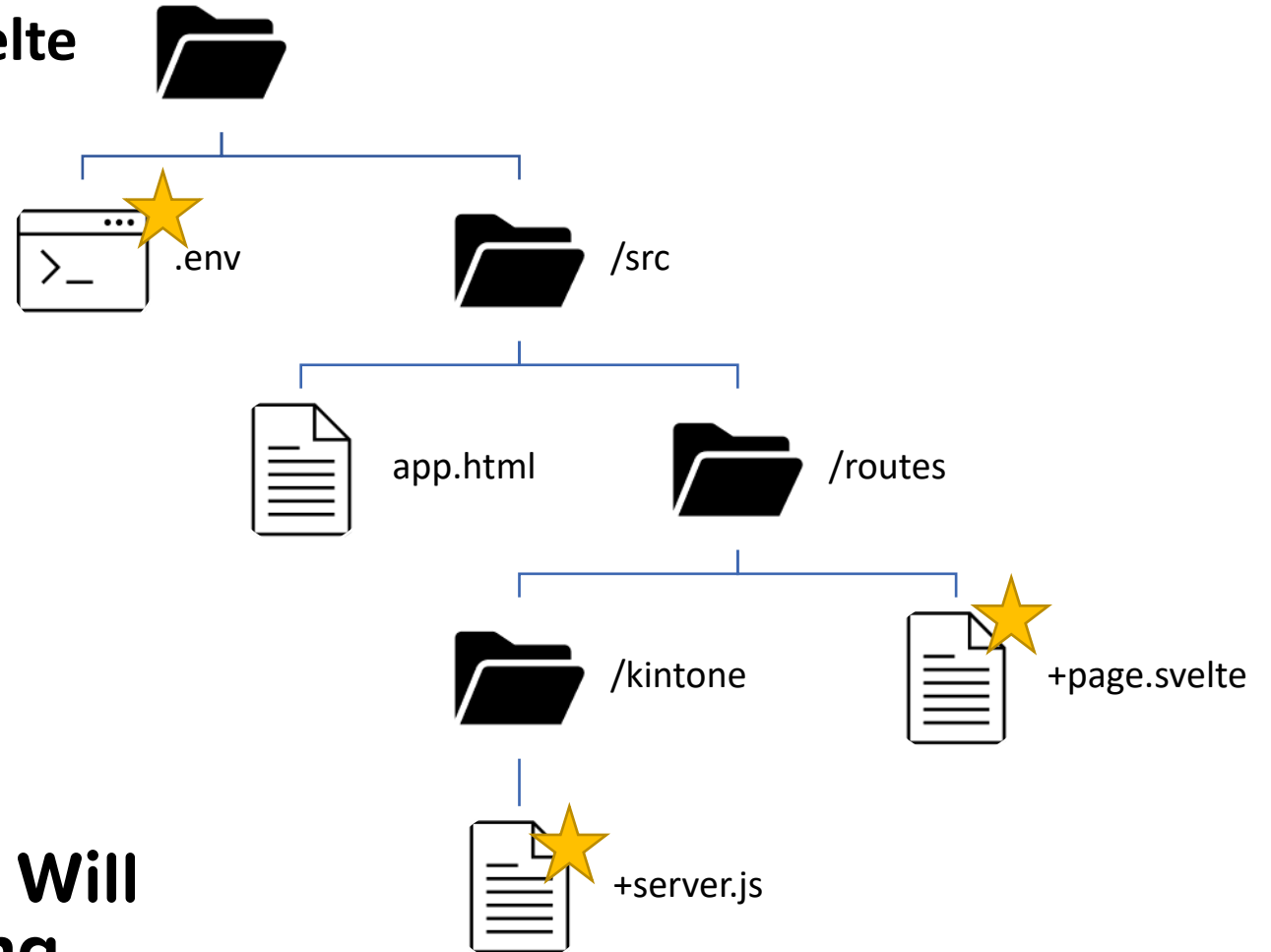
Extras!

- Maybe we'll try to deploy our app (live...?)
- Refactor our app a little bit...
- We'll see!

Overview of the Repo

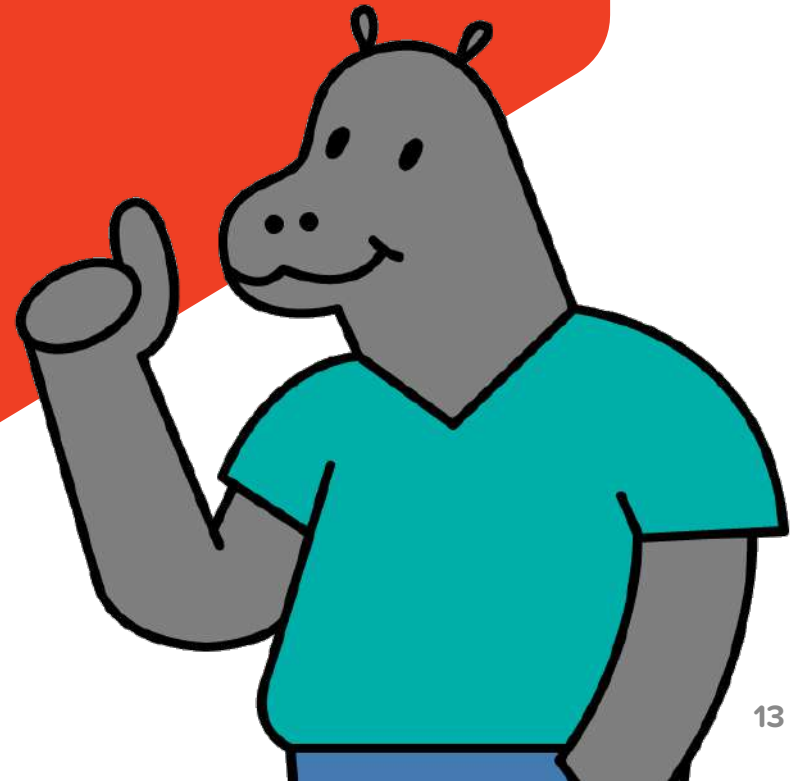


intro-to-svelte



★ Files We Will Be Editing

Quick check-in with Zoom polling



Quick Dive into Svelte!



Quick Svelte Review

Svelte is a compiler!

- React and other frameworks create a “virtual DOM” which your code runs on top of.
- Svelte compiles your files down to one, vanilla JS file. Fast and Simple!

Organize your project!

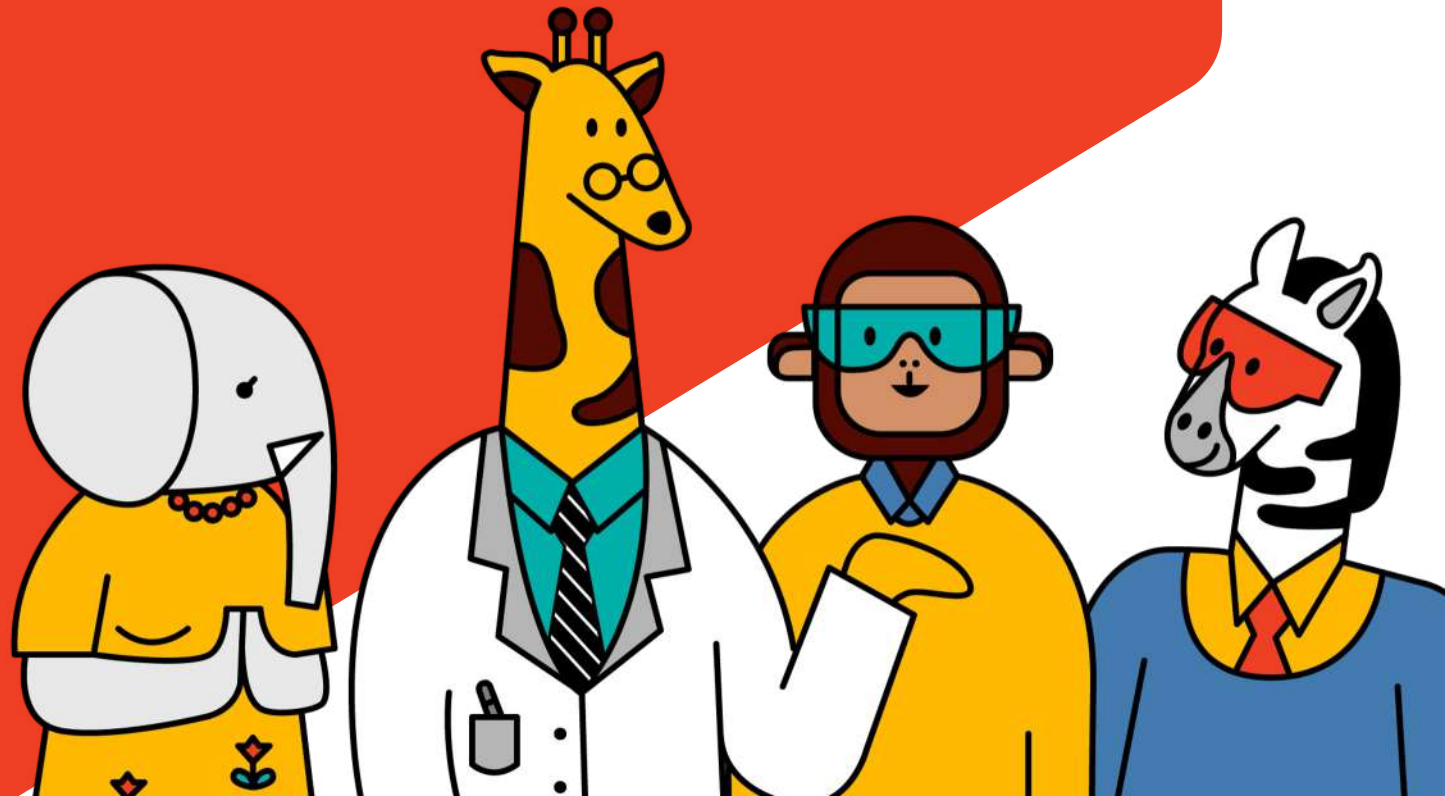
- Svelte lets developers “separate concerns”
- Helps keep the code-base organized.
- JS, HTML, and CSS are all in one file!

Svelte-Kit

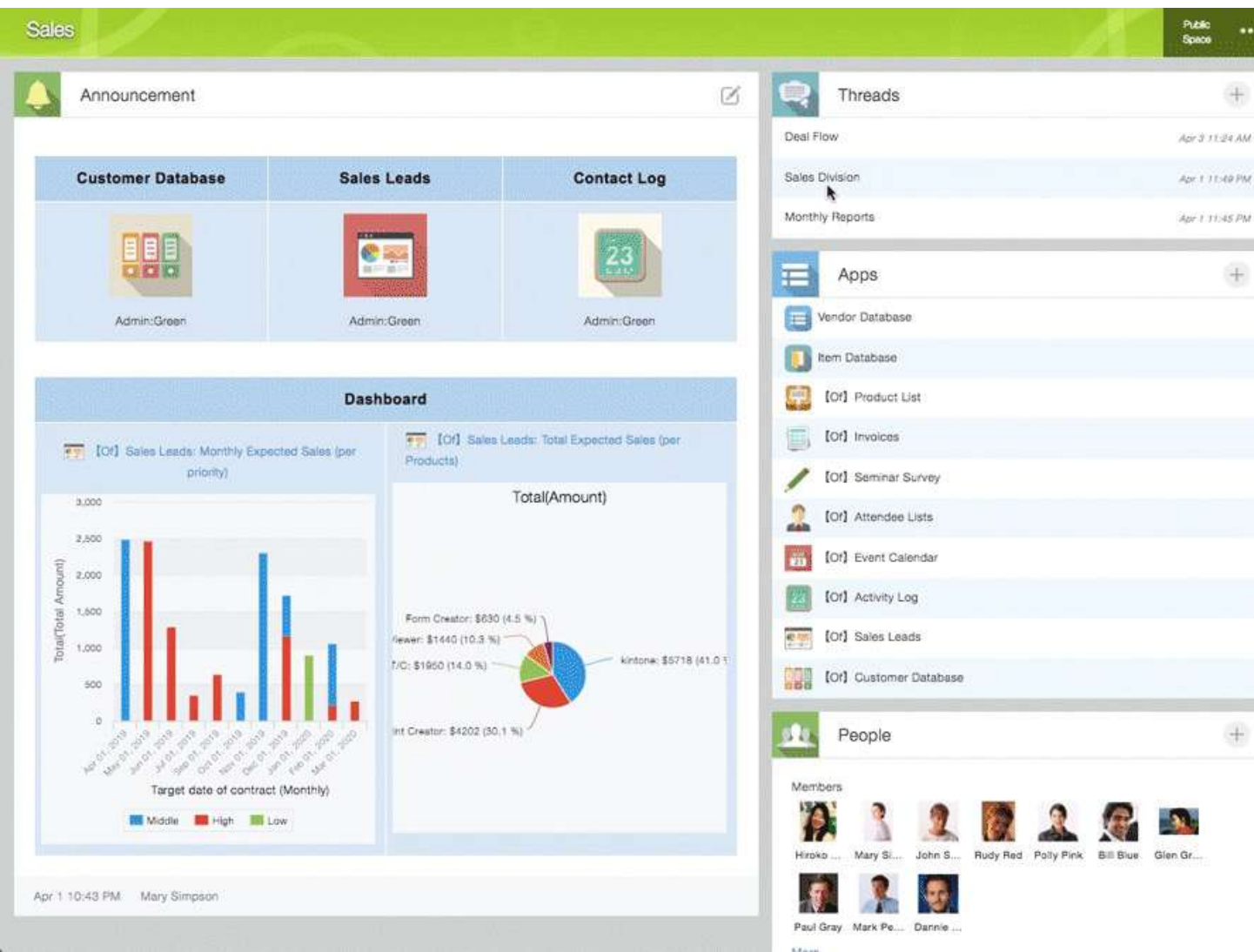
- Svelte-kit is an optional powered up version that allows for routing, server-side rendering, and a backend.
- Since we’ll be making our own API calls, we’ll be using kit.

What is Kintone?

Built for teamwork,
designed by you



What is Kintone?

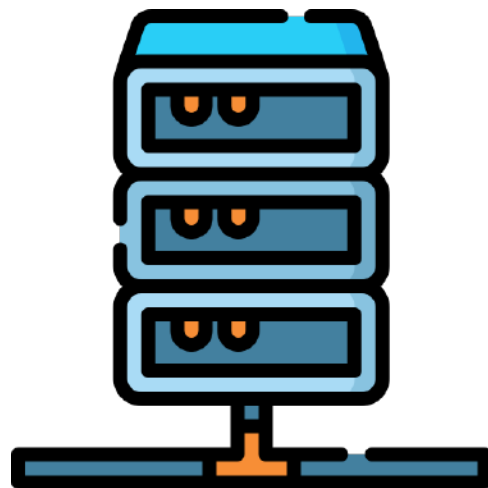


Kintone is a **no-code / low-code** cloud platform for teams to easily share and **collaborate** on their **data** efficiently.

Where Kintone is Special!



kintone



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



Missing - Unified Communication

Big Picture
Where did that message go?

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

Developer Community

Space: Developer Community App: REST API Docs View: (All records) Record: Kintone REST API

EN Section
API Info

EN API Group
Kintone REST API

EN Method
GET

EN API Name
Get API Schema

EN URL (Endpoint)
/k/v1/apis/*.json

EN Article Link
<https://developer.kintone.io/hc/en-us/articles/115006107628>

Fix History

Table

Date	Fixed By	Before	After	Fix Details
Aug 27, 2020	Clare - Support			Fixed the GET API List API link Added apis.{key}.link

Where
Communication
Lives

Write your comment here.

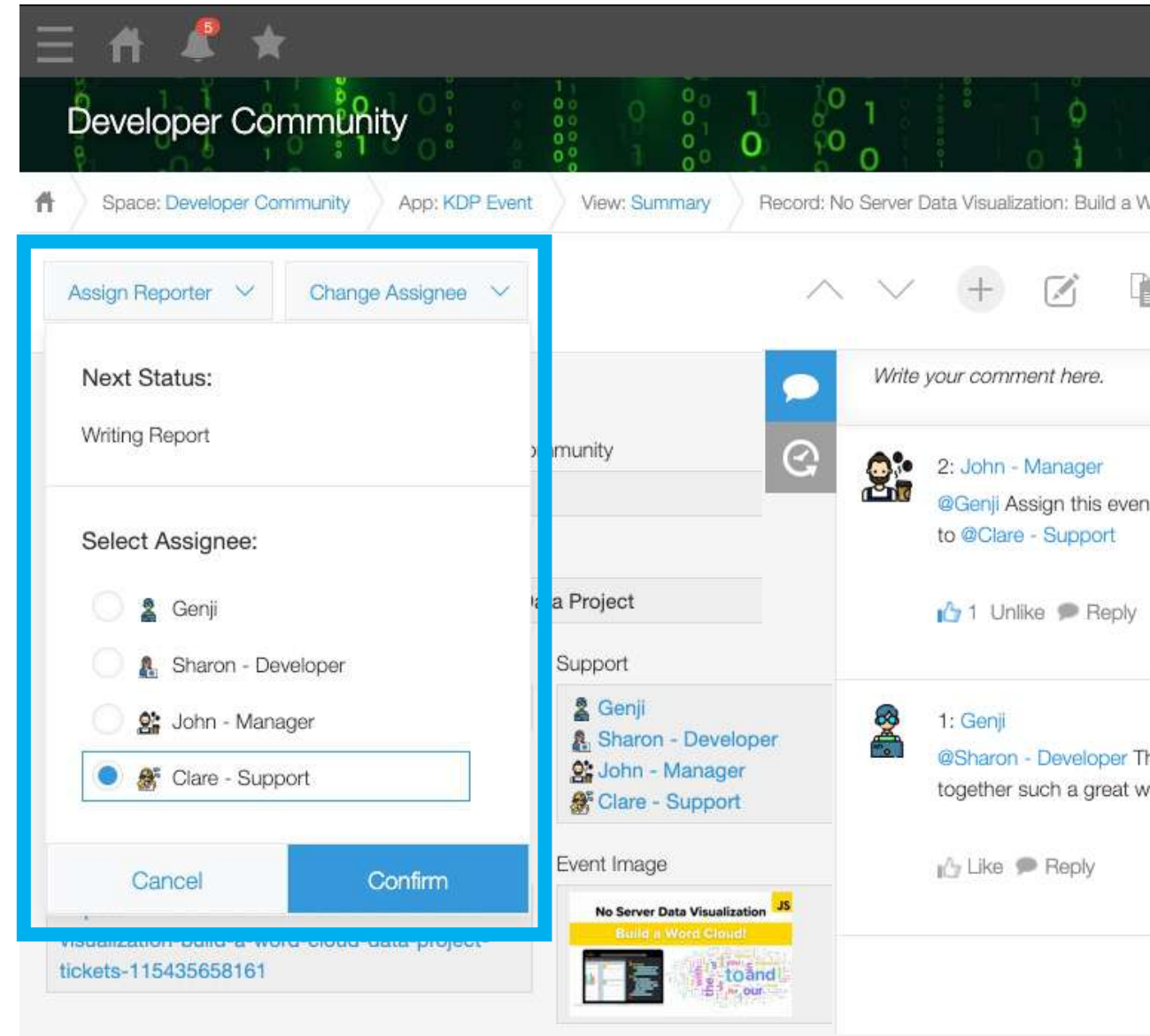
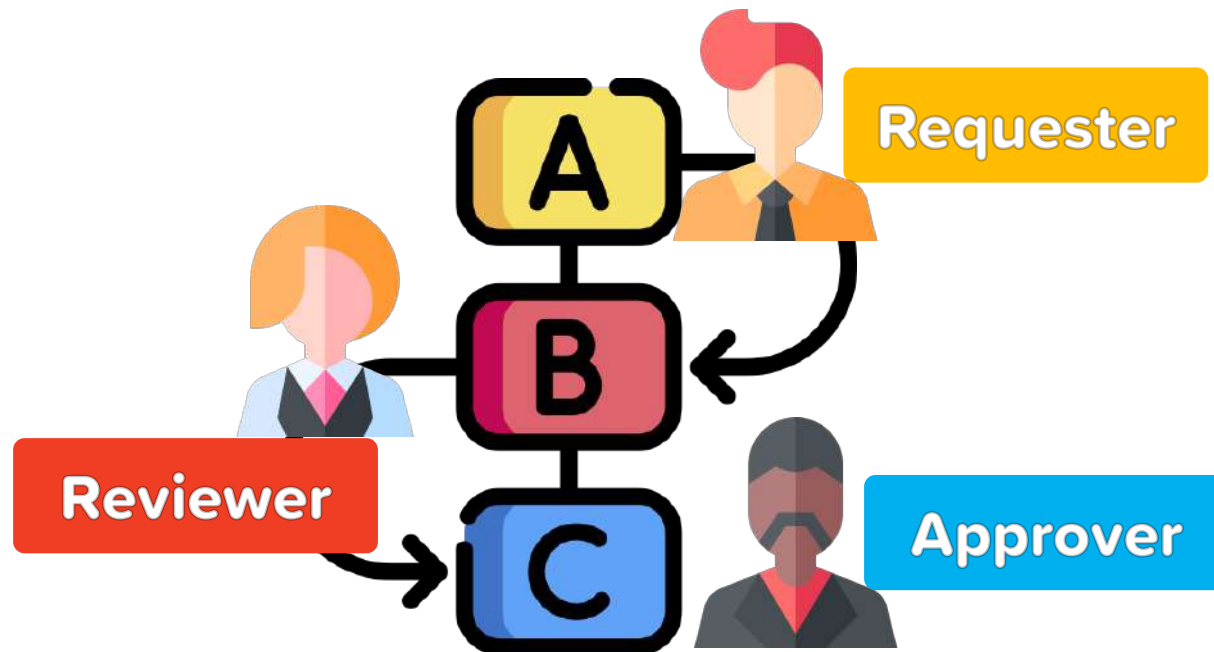
3: Clare - Support Aug 27, 2020 1:29 AM
@Sharon - Developer @Genji
Done!
Like Reply

2: Sharon - Developer Aug 27, 2020 1:28 AM
@Genji
Oh, shoot, thanks for catching my mistake!
@Clare - Support
Please fix the Fixed the GET API List API link
Like Reply

1: Genji Aug 27, 2020 1:27 AM
@Clare - Support Please take a look at this document.
Like Reply

Workflow

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



Kintone Apps

Shared To Do

App: Shared To Do

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.

My To Do

Records 1 - 5 of 5

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

Records 1 - 5 of 5


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

[Discard Changes](#) [Update App](#)

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 Link User selection Department selection Group selection Related records Lookup Blank space Border Field group Record number Created by Created datetime Updated by Updated datetime

Leads & Sales

Lead Title Sales Representative

▼ Contact Info

Company Name Website

Contact Name Job Title

Email Telephone Number

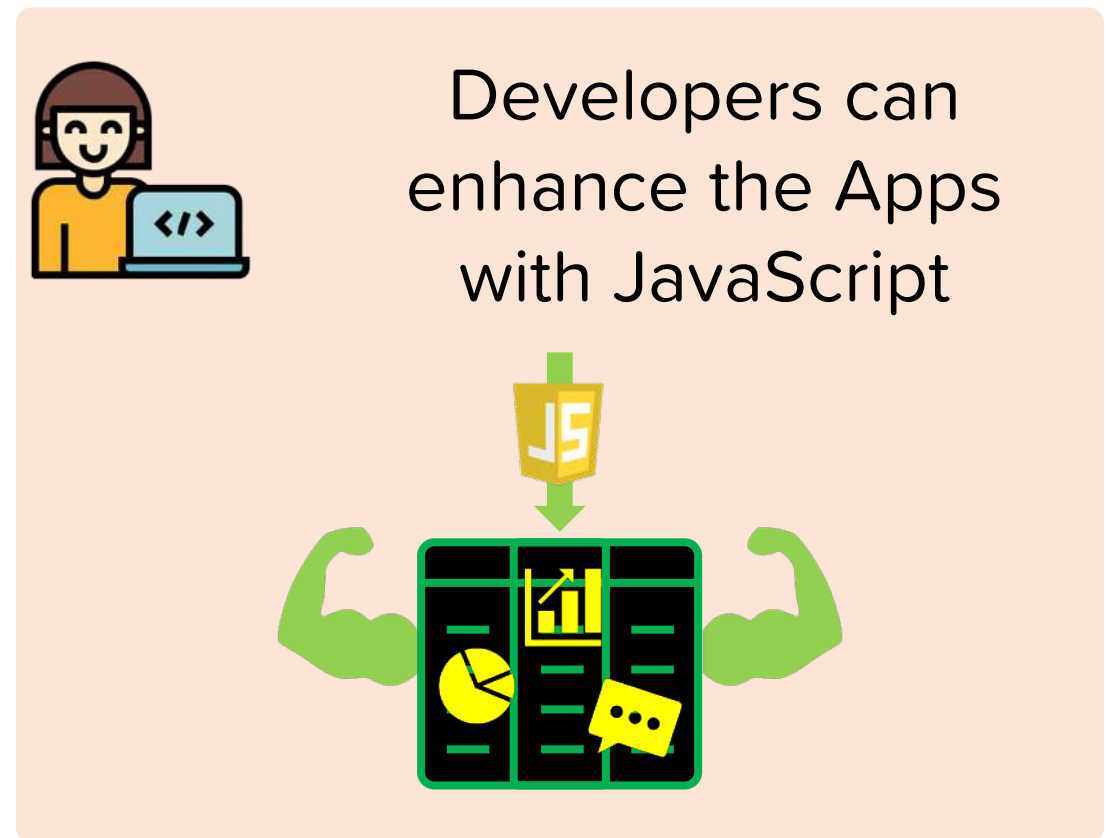
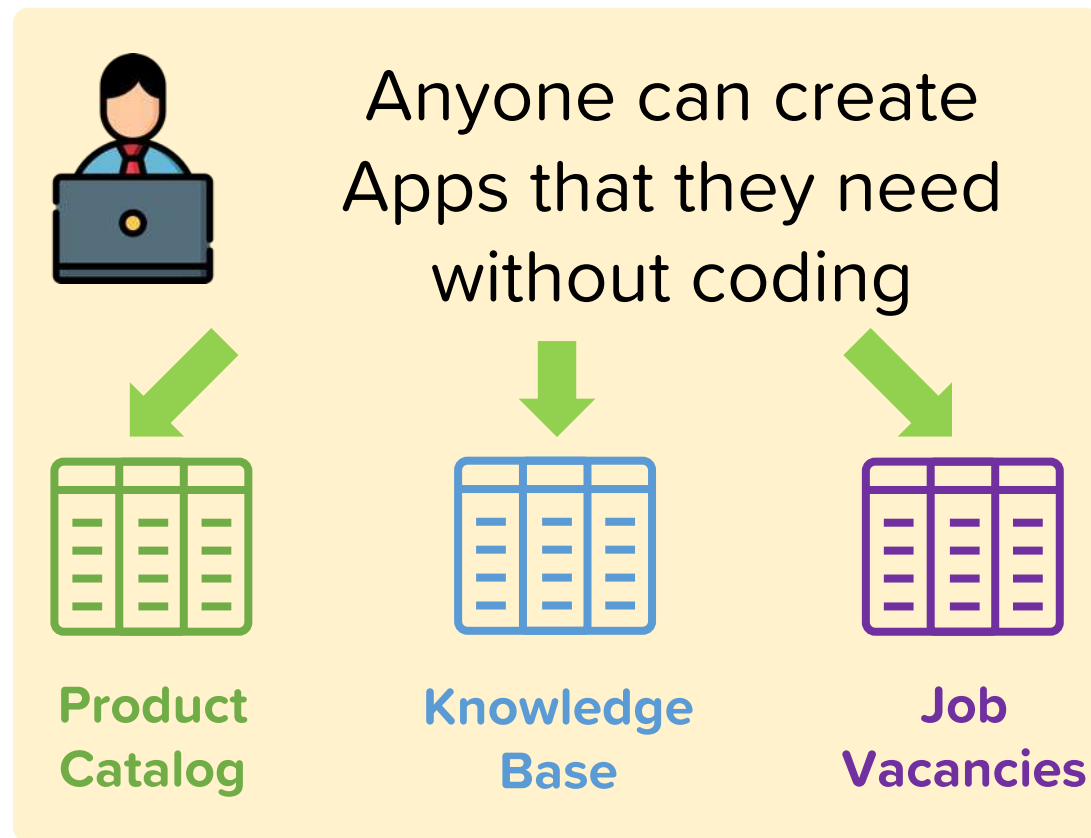
Product Name	Product ID	Unit Price	Quantity
--------------	------------	------------	----------

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!

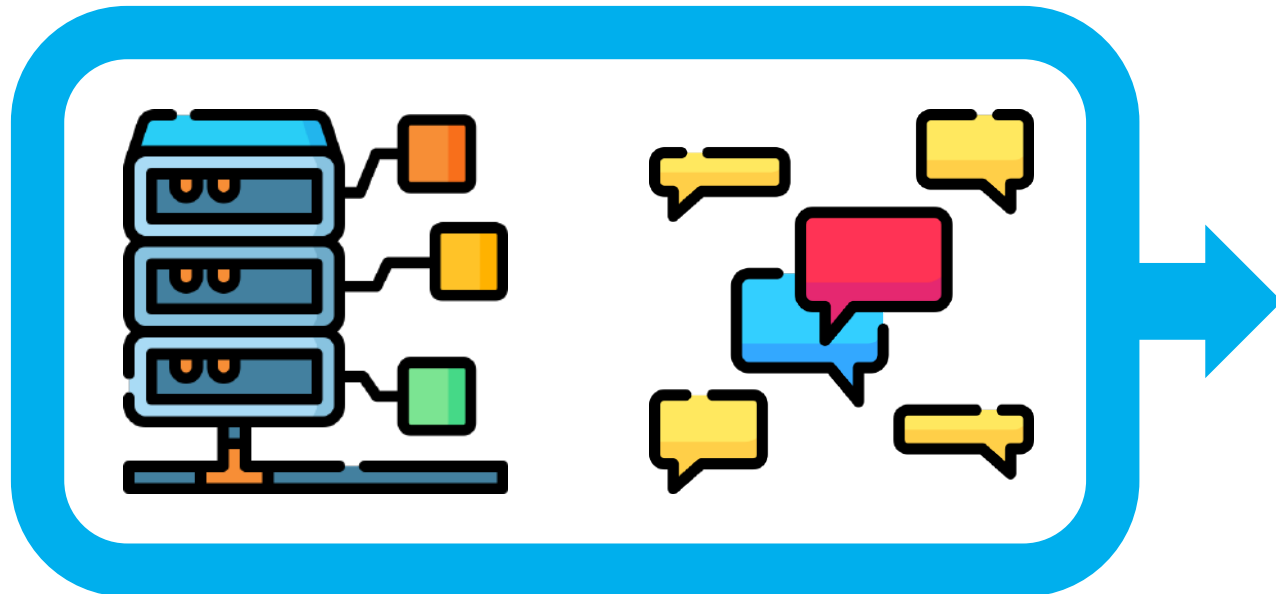
As a **no-code & low-code platform**, Kintone supports non-coders with visual programming UI while enabling sophisticated customization



Fulfill the Promise of *Groupware*

Share meaningful insights about the data that become operationalized quickly.

Data + Communication



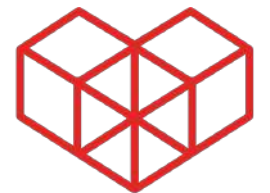
Insight



Action



How Developers Contribute

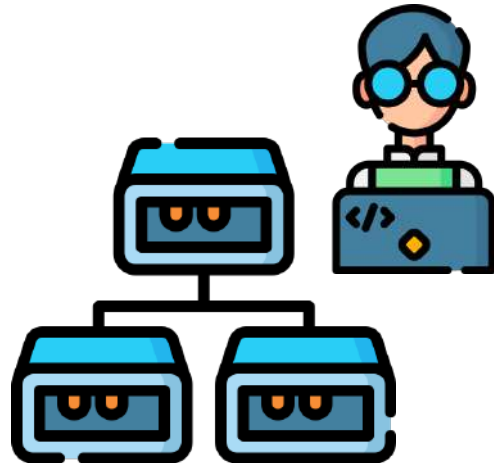


kintone
developer program

How Developers Contribute

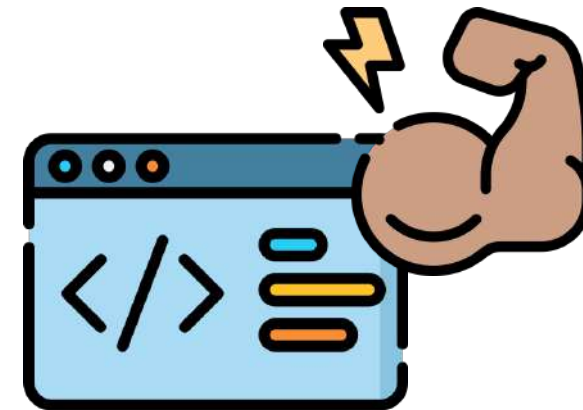
Command Center

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



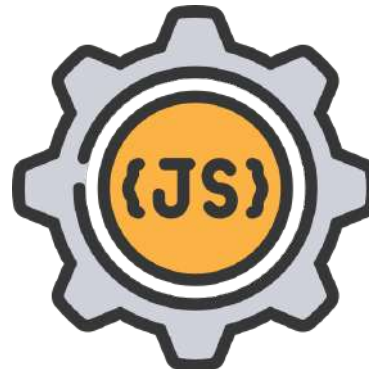
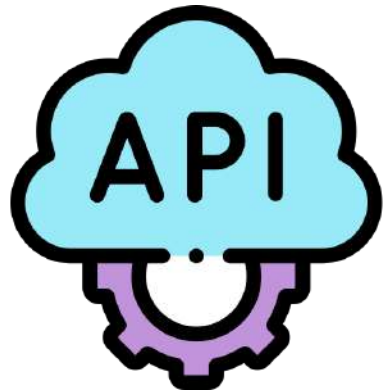
Enhancements

- Develop JavaScript customizations
- Build & share extensions



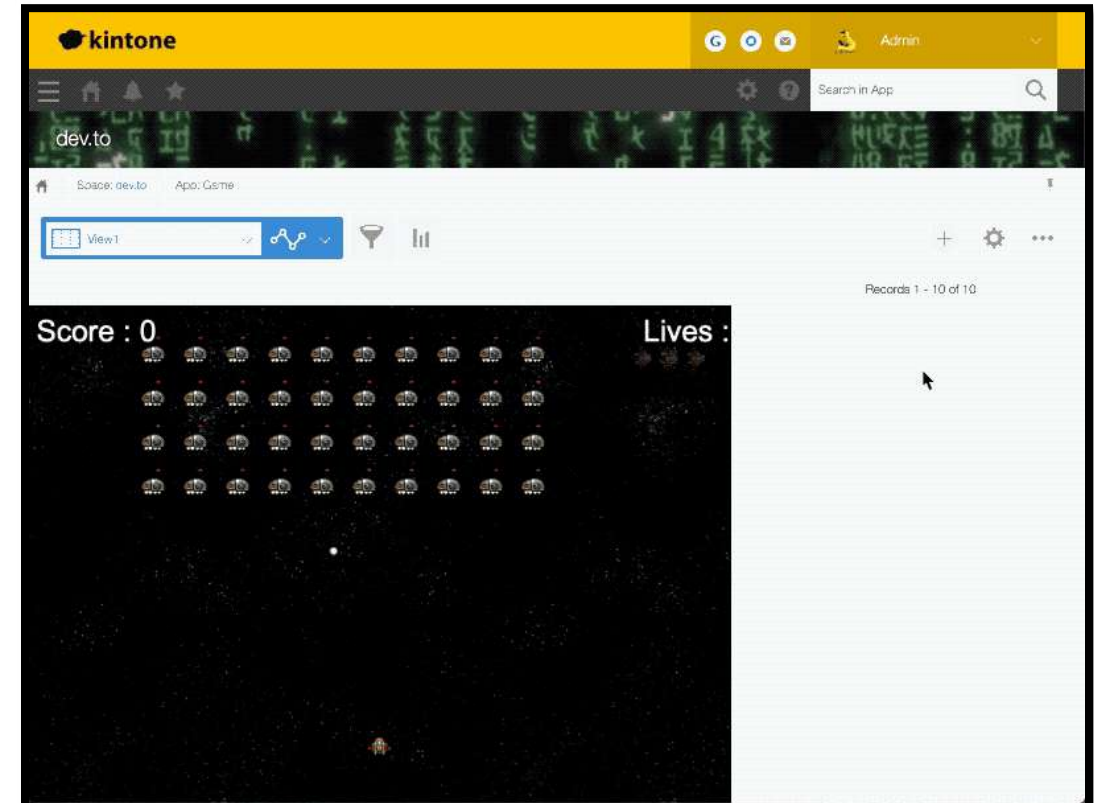
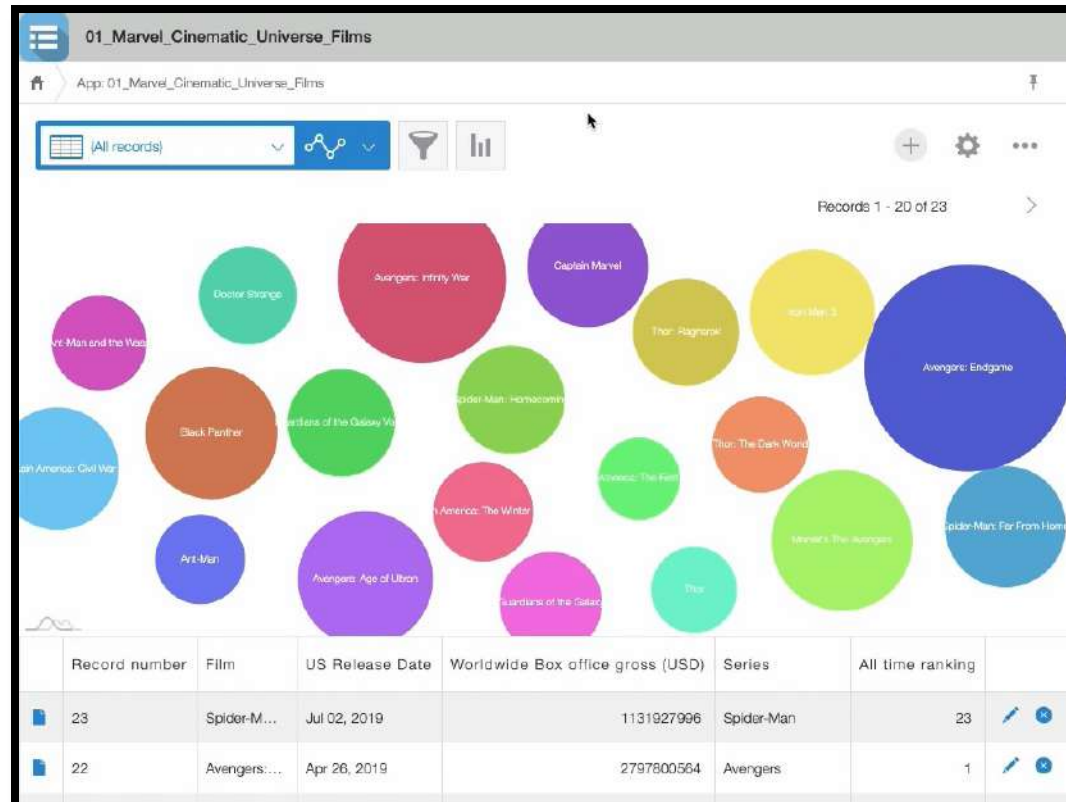
Tools Inside Kintone

- 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



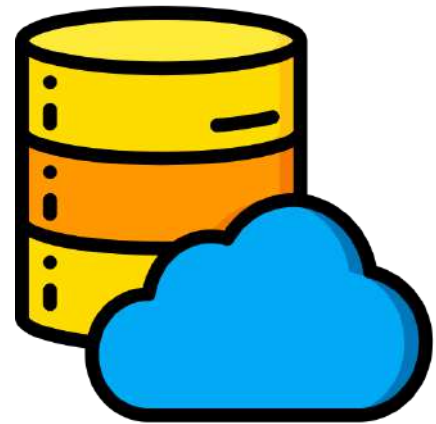
Consult with firms
on achieving
business goals



Develop Kintone
customizations for
customers

Let's Create a Kintone Database App

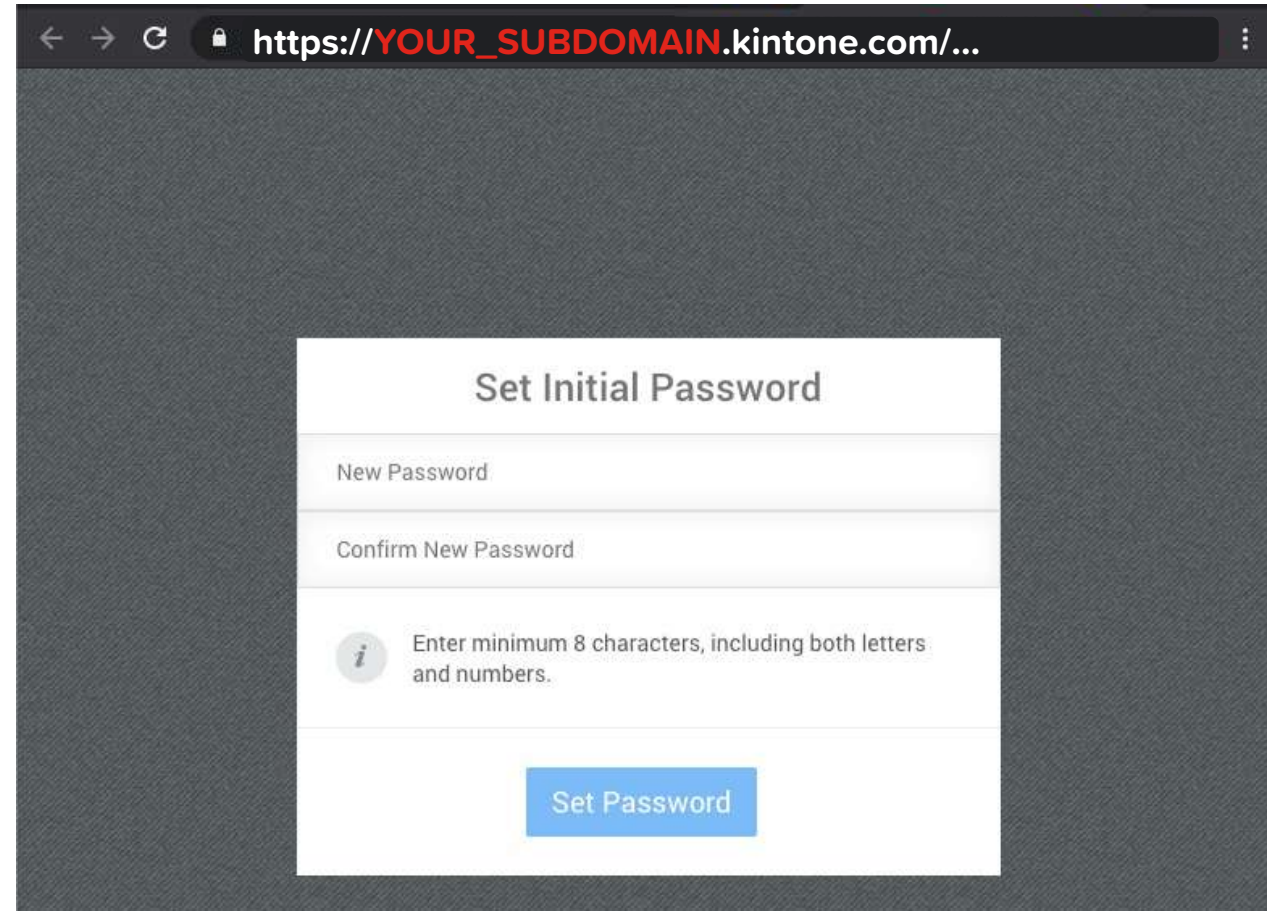
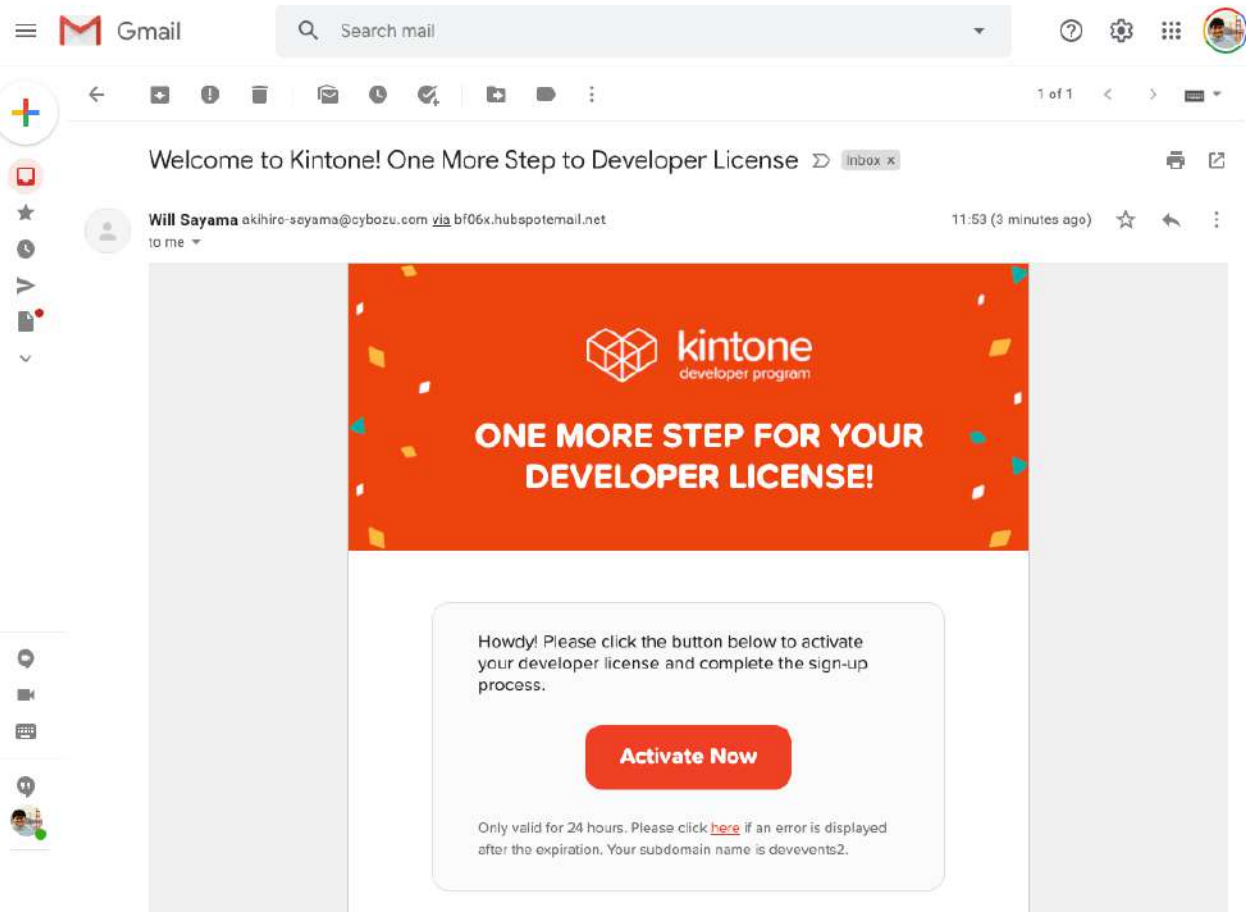
Step-By-Step Guide



Check Your Email

Welcome to Kintone! One More Step To...

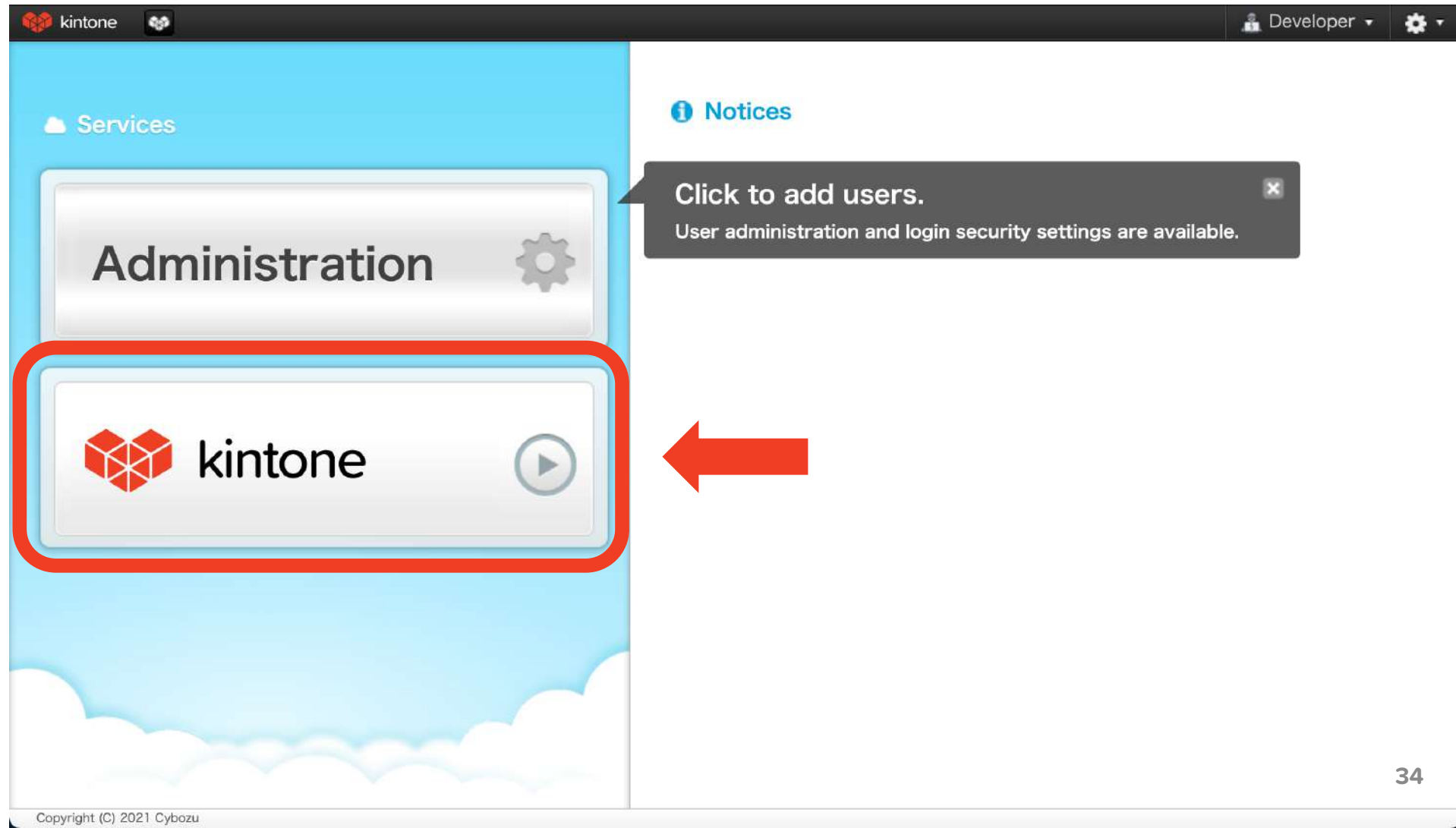
YOUR_SUBDOMAIN.kintone.com



Let's Log into Kintone

Click on Kintone button on the Left side

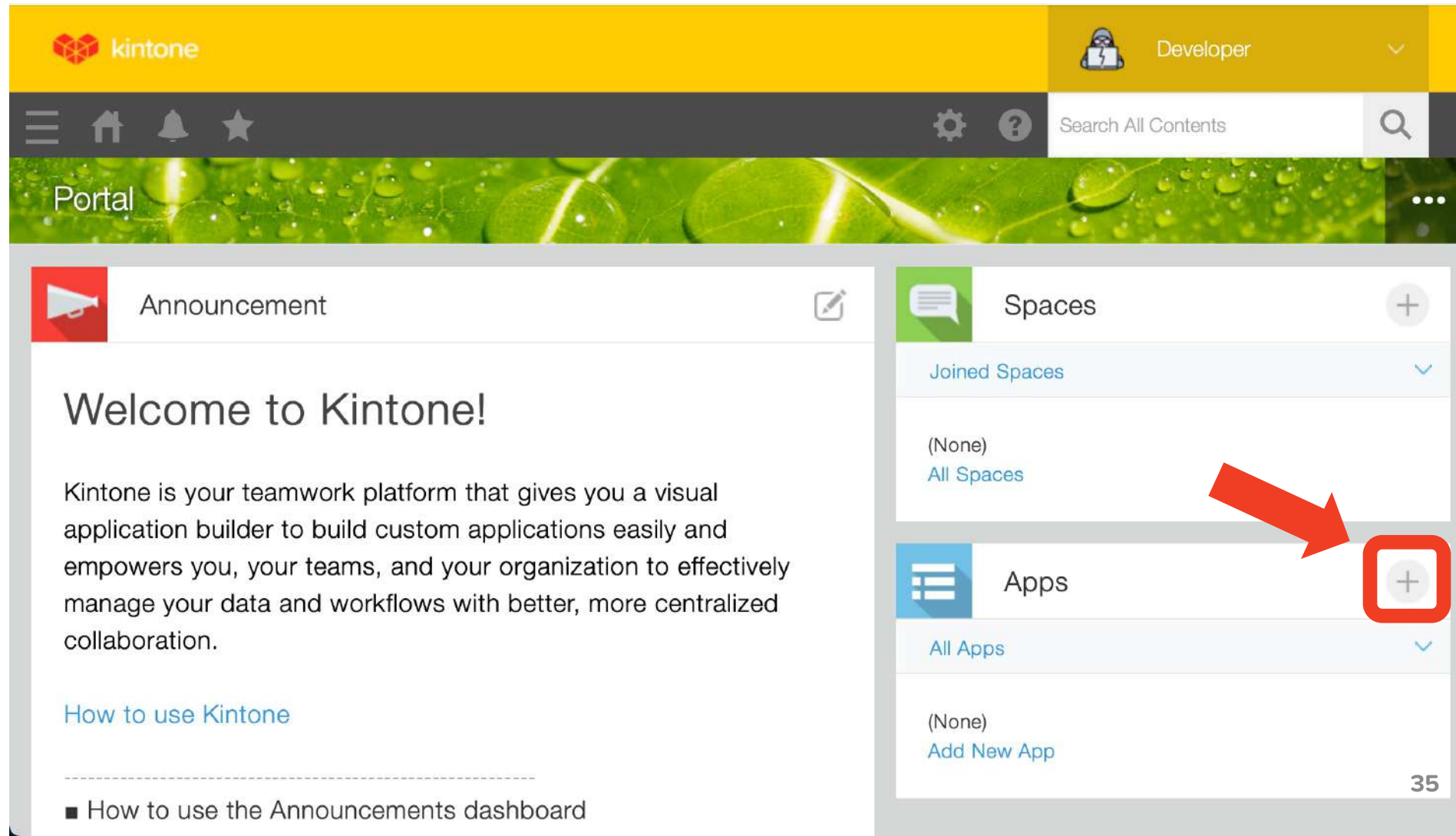
The email has the initial registration link & subdomain



Create a Kintone Database App

From the Portal
screen

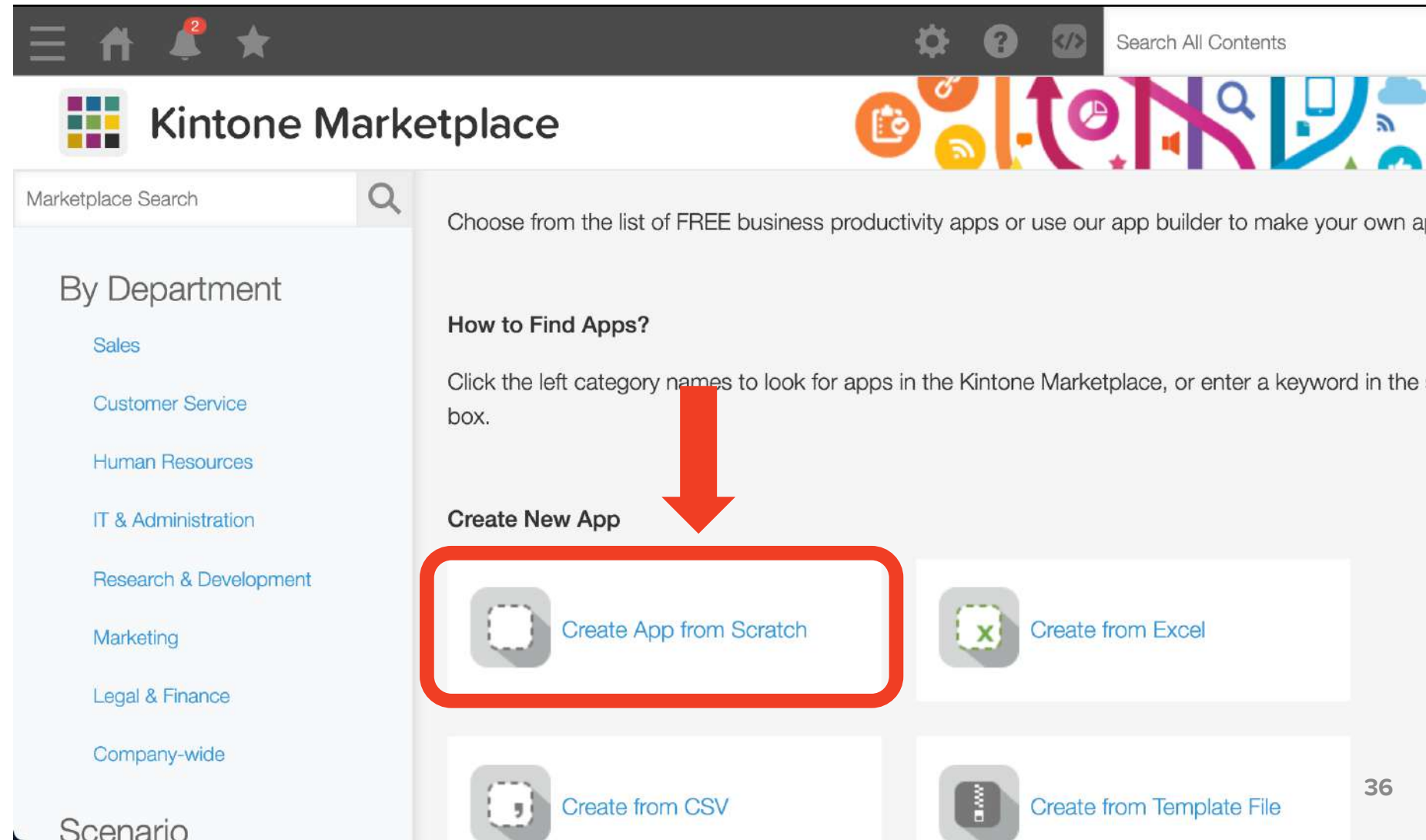
Click the
[+] button
on the
Right side



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
"Kintone Cards"

Kintone Marketplace > New App > Settings

New App

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

[Discard Creation](#) [Activate App](#)

Form Views Graphs App Settings

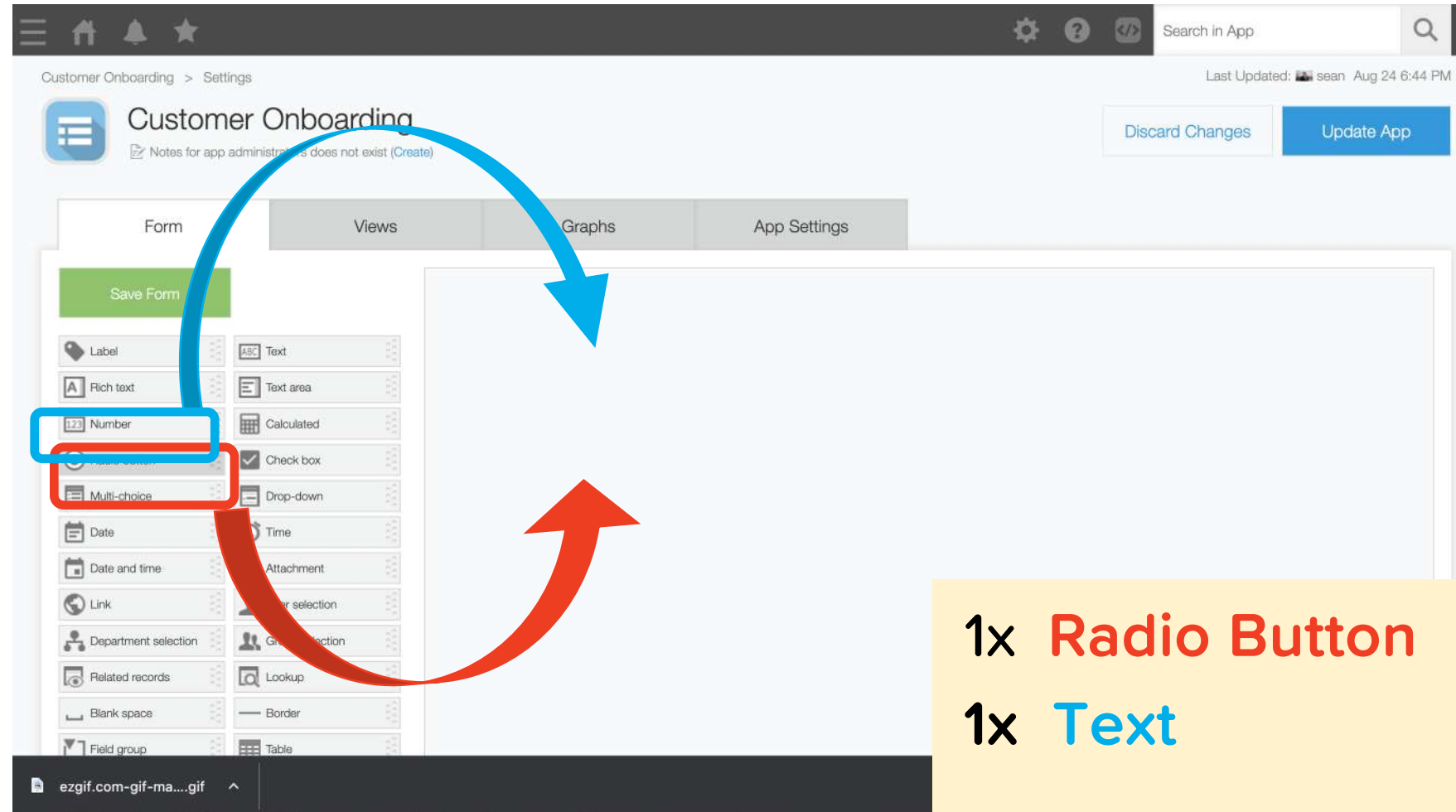
Save Form

- Label
- Rich text
- Number
- Radio button
- Multi-choice
- Date
- Date and time
- Text
- Text area
- Calculated
- Check box
- Drop-down
- Time
- Attachment

Drag and drop fields here.

Building the App

Drag & drop following
fields into the middle
area



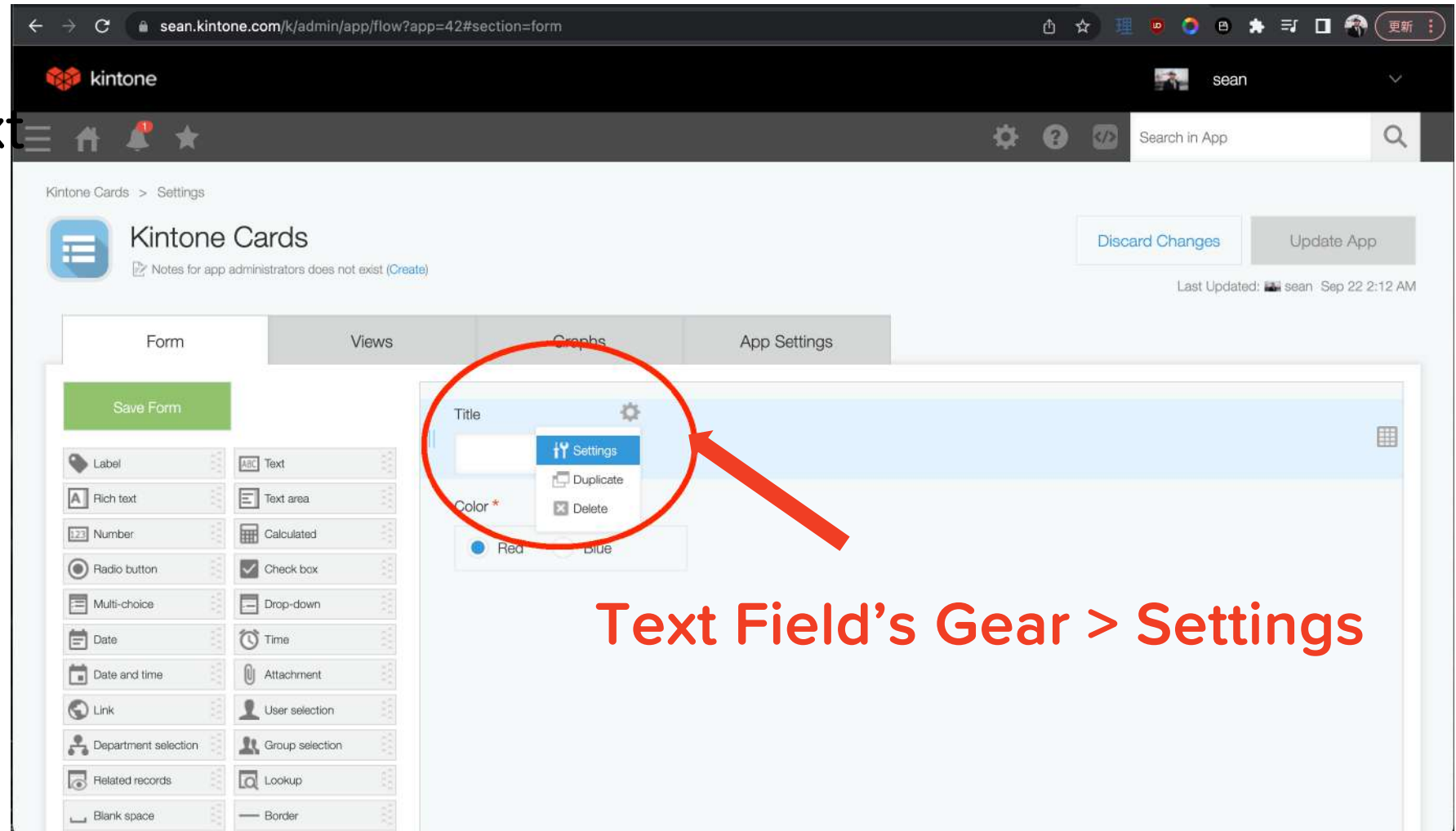
1x Radio Button

1x Text

Configure Fields

Click on the **Gear** on the Text Field's left corner.

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



Text Field's Gear > Settings

Inside the Text Field Settings

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

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

The screenshot shows the Kintone Text Settings dialog box. The 'Name' field is circled in red, and the 'Field Code' field is also circled in red. A red arrow points from the 'Field Code' field to a red callout box. The background shows the Kintone Cards settings page with a 'Save Form' button and a list of field types.

Text Settings

Name *

Title

☐ Hide field name

☐ Calculate automatically

☐ Required field

☐ Prohibit duplicate values

Number of Characters (Note: Use integer)

Minimum Maximum

Default Value

Field Code *

title

Save **Cancel**

Change the Name to "Title"

Change the Field Code to "title"
⚠ Case sensitive!

Inside the Radio Button Settings

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

Edit the
Name
&
Field Code
&
Options

The screenshot shows the 'Radio Button Settings' dialog in Kintone. The background shows the 'Kintone Cards' settings page. The dialog has the following sections:

- Name ***: A text input field containing 'Color'. A red circle highlights this field, with a red arrow pointing to it from a red box containing the text 'Change the Name to "Color"'. Below the input field is a checkbox labeled 'Hide field name'.
- Options**: A list of options. The first option is 'Red' with a plus and minus icon. The second option is 'Blue' with a plus and minus icon. A red arrow points to these options from a red box containing the text 'Add two options: "Red" and "Blue"'. There are plus and minus icons to the right of each option to add or remove them.
- Layout**: Two radio buttons, 'Horizontal' (selected) and 'Vertical'.
- Default value**: A dropdown menu showing 'Red'.
- Field Code ***: A text input field containing 'color'. A red circle highlights this field, with a red arrow pointing to it from a red box containing the text 'Change the Field Code to "color" ! Case sensitive!'. Below the input field are 'Save' and 'Cancel' buttons.

At the bottom of the dialog, there are 'Cancel' and 'Save' buttons.

Does Your App Look Like This?

We changed...

- Title
- 1x Radio Button
- 1x Text

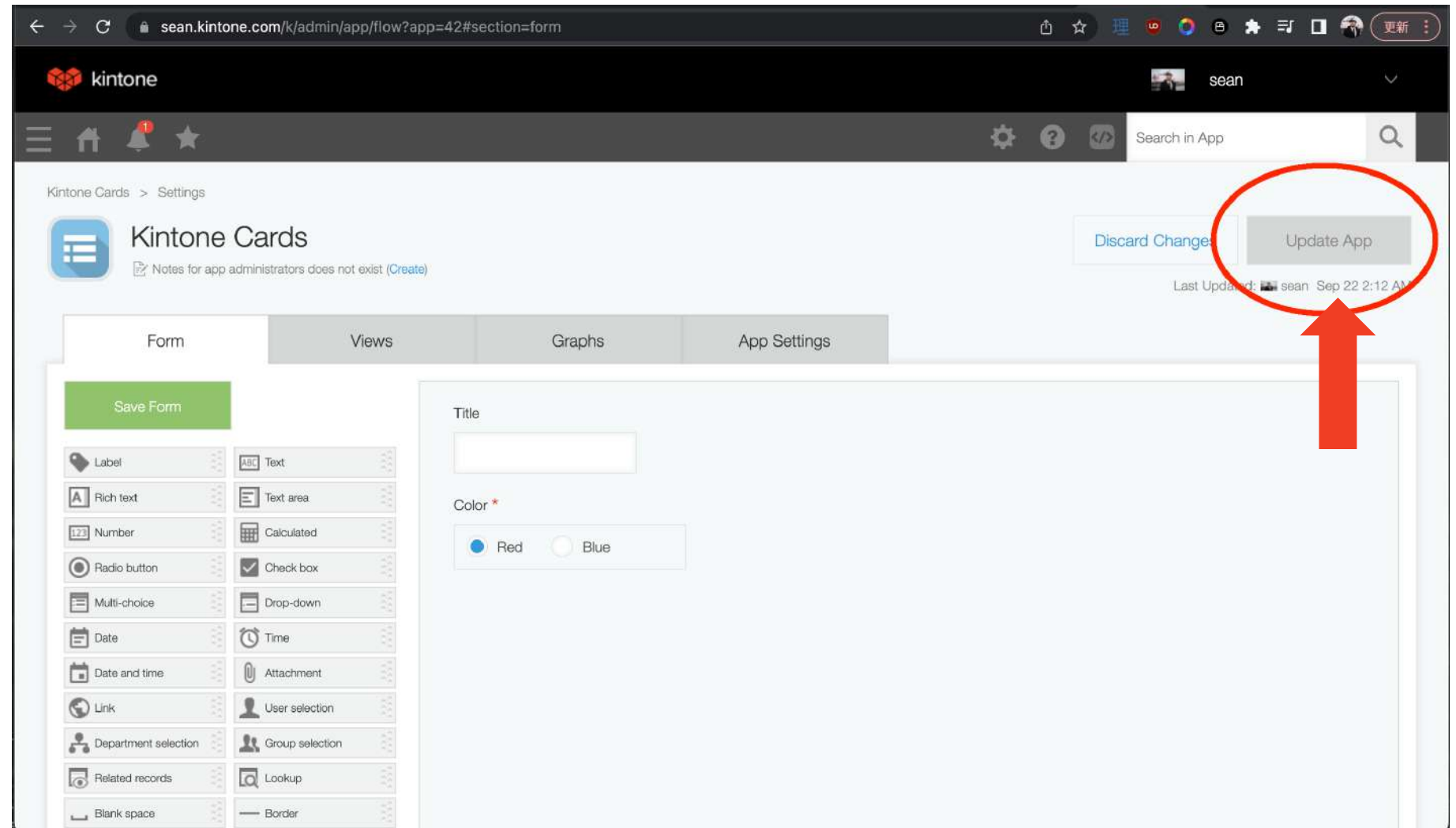
Set the fields'

- Names
- Field Codes

The screenshot shows the Kintone Cards app settings page. The browser address bar displays `sean.kintone.com/k/admin/app/flow?app=42#section=form`. The page header includes the Kintone logo, the user name 'sean', and a search bar labeled 'Search in App'. The main content area is titled 'Kintone Cards' and includes a 'Discard Changes' button and an 'Update App' button. Below this, there are tabs for 'Form', 'Views', 'Graphs', and 'App Settings'. The 'Form' tab is selected, showing a 'Save Form' button and a list of field types: Label, Rich text, Number, Radio button, Multi-choice, Date, Date and time, Link, Department selection, Related records, Blank space, Text, Text area, Calculated, Check box, Drop-down, Time, Attachment, User selection, Group selection, Lookup, and Border. The 'Title' field is highlighted, showing a text input field and a 'Color' selection with radio buttons for 'Red' and 'Blue'.

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



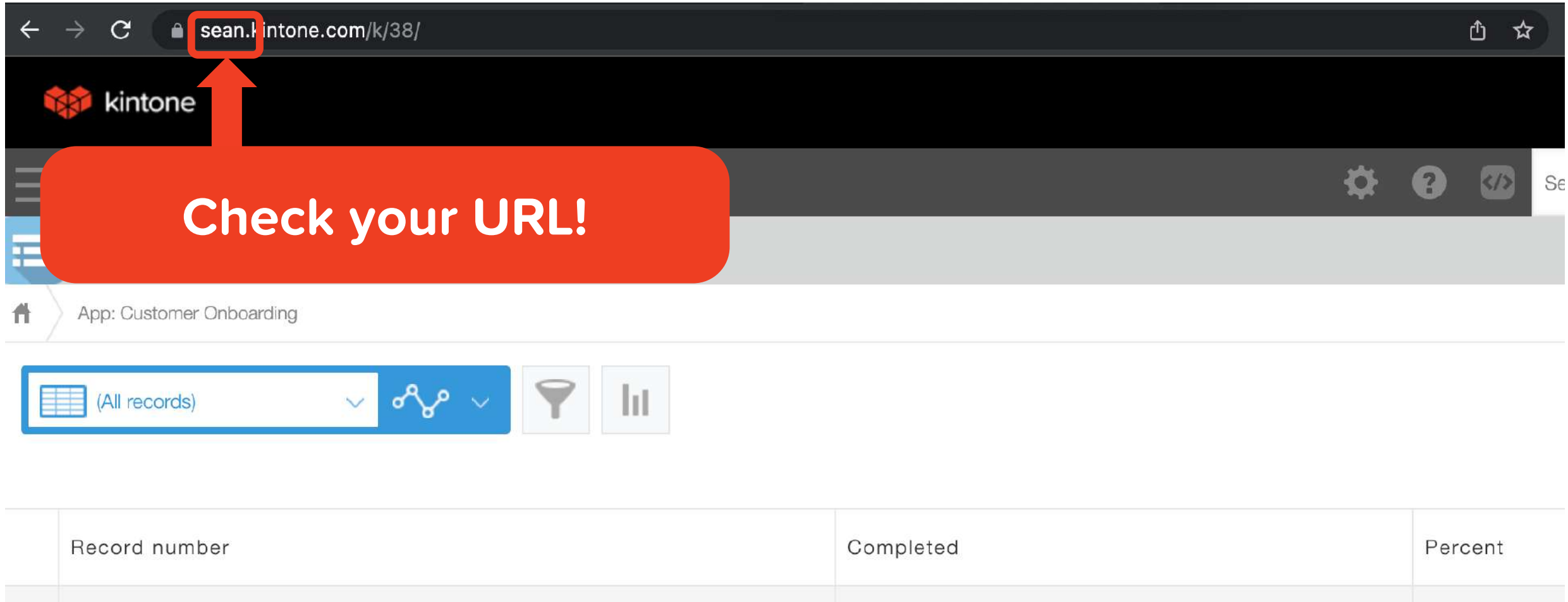
Go inside the .env.example file

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

```
### .env.example
1  VITE_APITOKEN=JD54IS0jfiewofjw89SADfnkle
2  VITE_SUBDOMAIN=example
3  VITE_APPID=1
```

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

Where to get my Kintone Subdomain?



The screenshot shows a web browser with the address bar displaying `sean.kintone.com/k/38/`. A red box highlights the subdomain `sean.kintone.com`, and a red arrow points from a large red callout box below to this subdomain. The callout box contains the text "Check your URL!". The Kintone logo is visible in the top left of the application interface. Below the header, the text "App: Customer Onboarding" is displayed. The main content area includes a toolbar with a table icon labeled "(All records)", a share icon, a funnel icon, and a bar chart icon. At the bottom, a table with three columns is visible: "Record number", "Completed", and "Percent".

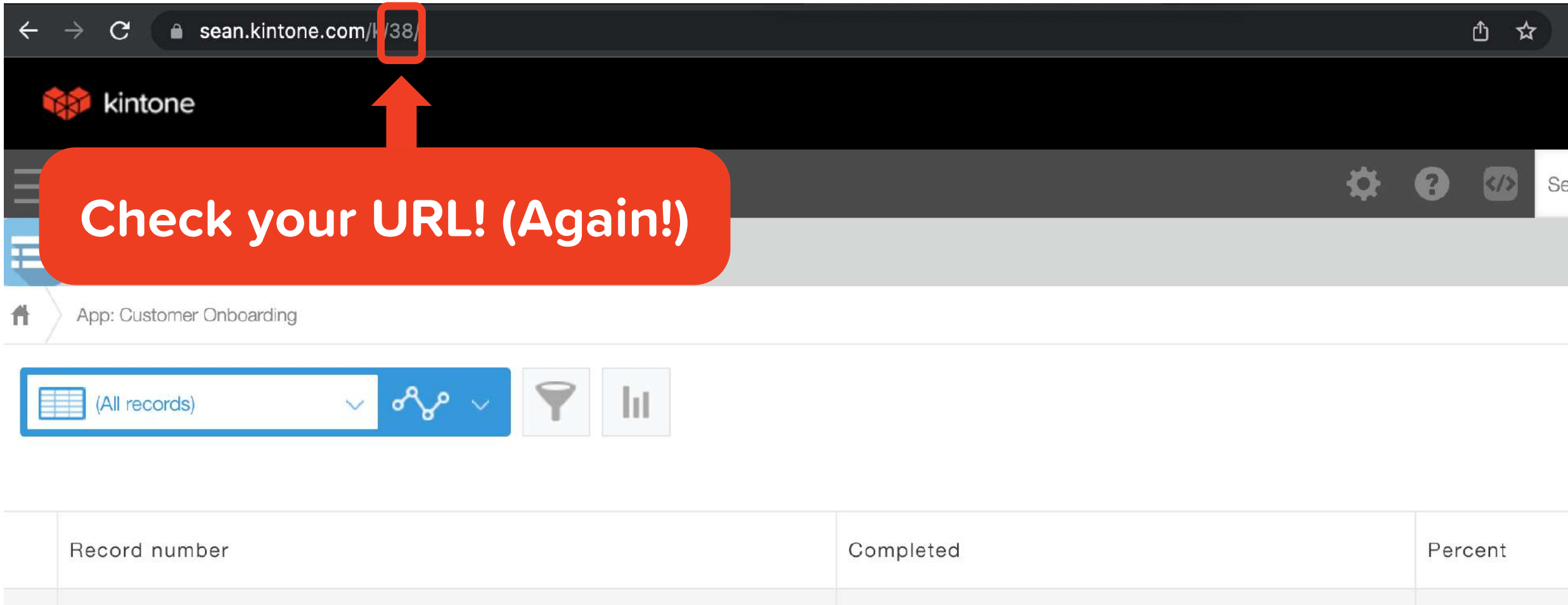
Check your URL!

App: Customer Onboarding

(All records)

Record number	Completed	Percent
---------------	-----------	---------

Where to get my App ID?



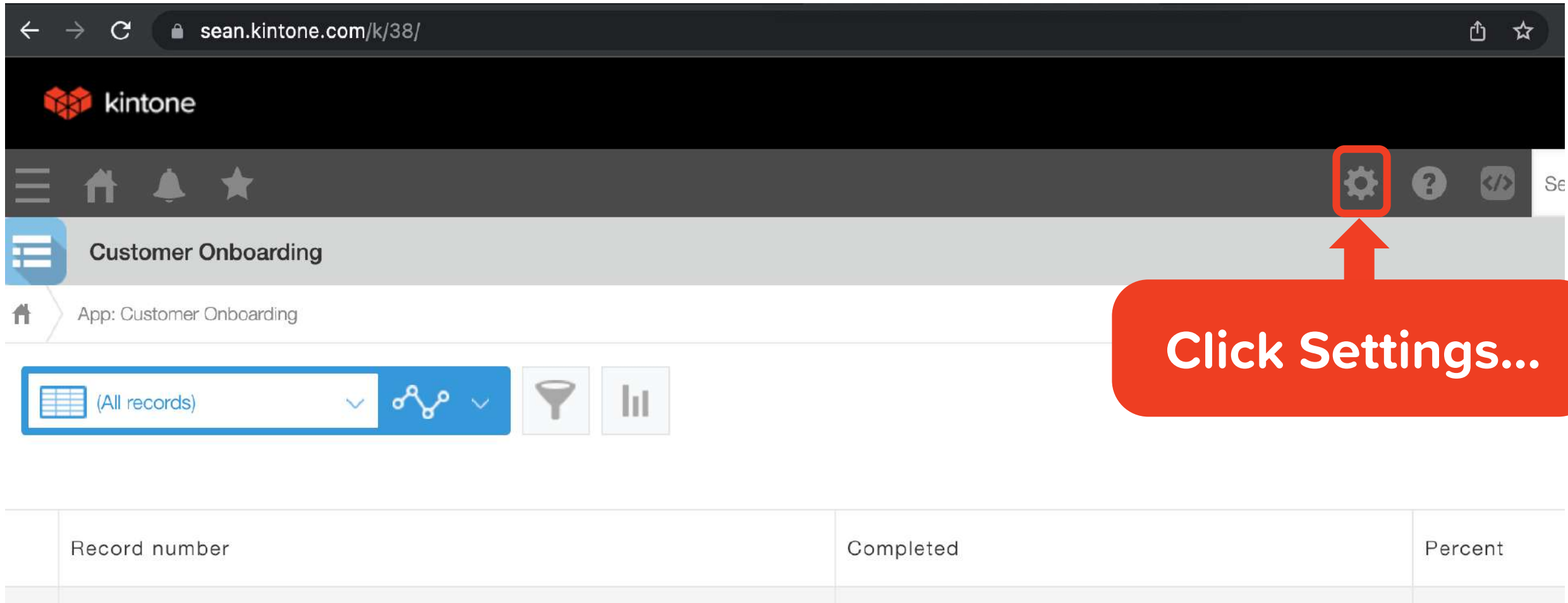
The screenshot shows a web browser window with the URL `sean.kintone.com/1/38/`. A red box highlights the `1/38/` portion of the URL, and a red arrow points from a red callout box below to this portion. The callout box contains the text "Check your URL! (Again!)". The Kintone logo is visible in the top left of the page. Below the header, the text "App: Customer Onboarding" is displayed. The main content area shows a table with the following columns: "Record number", "Completed", and "Percent".

Check your URL! (Again!)

App: Customer Onboarding

Record number	Completed	Percent
---------------	-----------	---------

Where to get my API Token?



The screenshot shows the Kintone web interface. The browser address bar displays `sean.kintone.com/k/38/`. The Kintone logo is in the top left. The navigation bar includes icons for home, notifications, and settings. The settings icon, represented by a gear, is highlighted with a red box. A red arrow points from a red callout box containing the text "Click Settings..." to the settings icon. Below the navigation bar, the page title is "Customer Onboarding". The main content area shows a table with the following columns: "Record number", "Completed", and "Percent".

Record number	Completed	Percent

Customer Onboarding > Settings

Last Updated: sean 1:23 AM



Customer Onboarding

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

[Discard Changes](#)

Update App

Form

Views

Graphs

App Settings

 General Settings

Appearance

Color Theme

Process Management

 Notifications

General Notifications

Per Record Notifications

API Token

Webhooks

 Permissions

App

 Advanced Settings

Actions

 Management

App Settings...

API Token...

Save Cancel

API Token [? Help](#)

Manage the authentication
You can create an API token to use REST API.
Example: curl -H "X-Cybozu-API-Token: pKwnYpZ4qnG1UNS6buNMXm6btJ3nubwJfnKcFDzz" http://localhost:3000/api/v1/records

Generate

Click Generate and...

API Token

pKwnYpZ4qnG1UNS6buNMXm6btJ3nubwJfnKcFDzz

Permissions

☒ View records ☒ Add records ☒ Edit records ☐ Delete records
☐ Manage app

Notes



Make sure to give yourself permissions!

Customization samples

[Kintone Customization Gallery](#)

Community support



[Kintone Developer Program](#)

Three Goals Today

1. Code our HTML cards
2. Make a request to our Svelte backend
3. Code our backend to request from our Kintone Database!

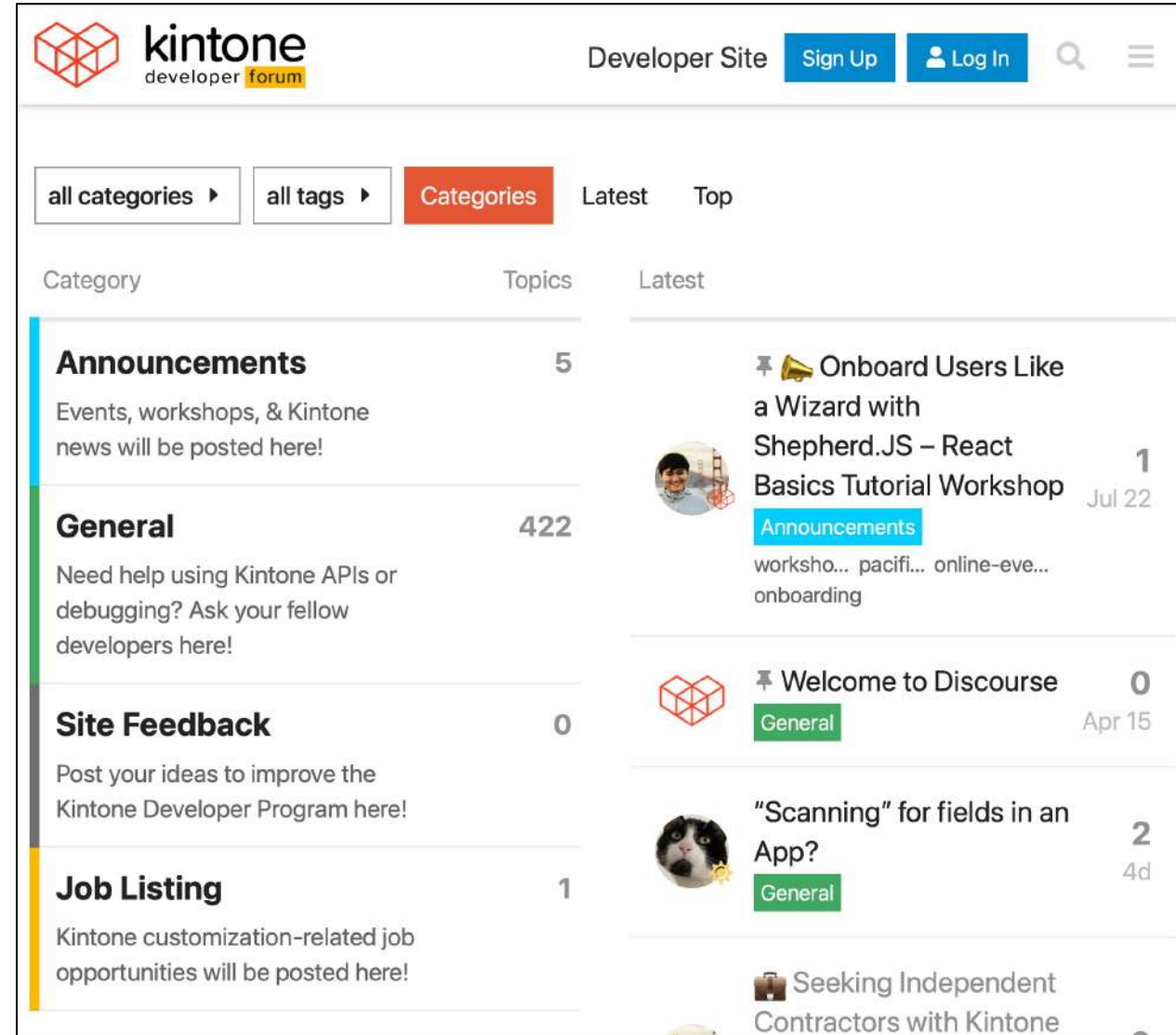


Where Can I Get Help?





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

Kintone Developer Forum

forum.kintone.com



The screenshot shows the Kintone Developer Forum interface. At the top, there's a header with the Kintone logo, "Developer Site", "Sign Up", and "Log In" buttons. Below the header, there are filters for "all categories", "all tags", and a "Categories" button. The main content area is divided into two columns. The left column lists categories: "Announcements" (5 topics), "General" (422 topics), "Site Feedback" (0 topics), and "Job Listing" (1 topic). The right column shows a list of topics. The first topic is "Onboard Users Like a Wizard with Shepherd.JS – React Basics Tutorial Workshop" by a user with a profile picture, dated Jul 22, with 1 reply. The second topic is "Welcome to Discourse" by a user with a Kintone logo profile picture, dated Apr 15, with 0 replies. The third topic is "Scanning for fields in an App?" by a user with a cat profile picture, dated 4d, with 2 replies. The fourth topic is "Seeking Independent Contractors with Kintone" by a user with a house icon profile picture.

Category	Topics	Latest
Announcements Events, workshops, & Kintone news will be posted here!	5	 Onboard Users Like a Wizard with Shepherd.JS – React Basics Tutorial Workshop 1 Jul 22 Announcements worksho... pacifi... online-eve... onboarding
General Need help using Kintone APIs or debugging? Ask your fellow developers here!	422	 Welcome to Discourse 0 Apr 15 General
Site Feedback Post your ideas to improve the Kintone Developer Program here!	0	 "Scanning" for fields in an App? 2 4d General
Job Listing Kintone customization-related job opportunities will be posted here!	1	 Seeking Independent Contractors with Kintone



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

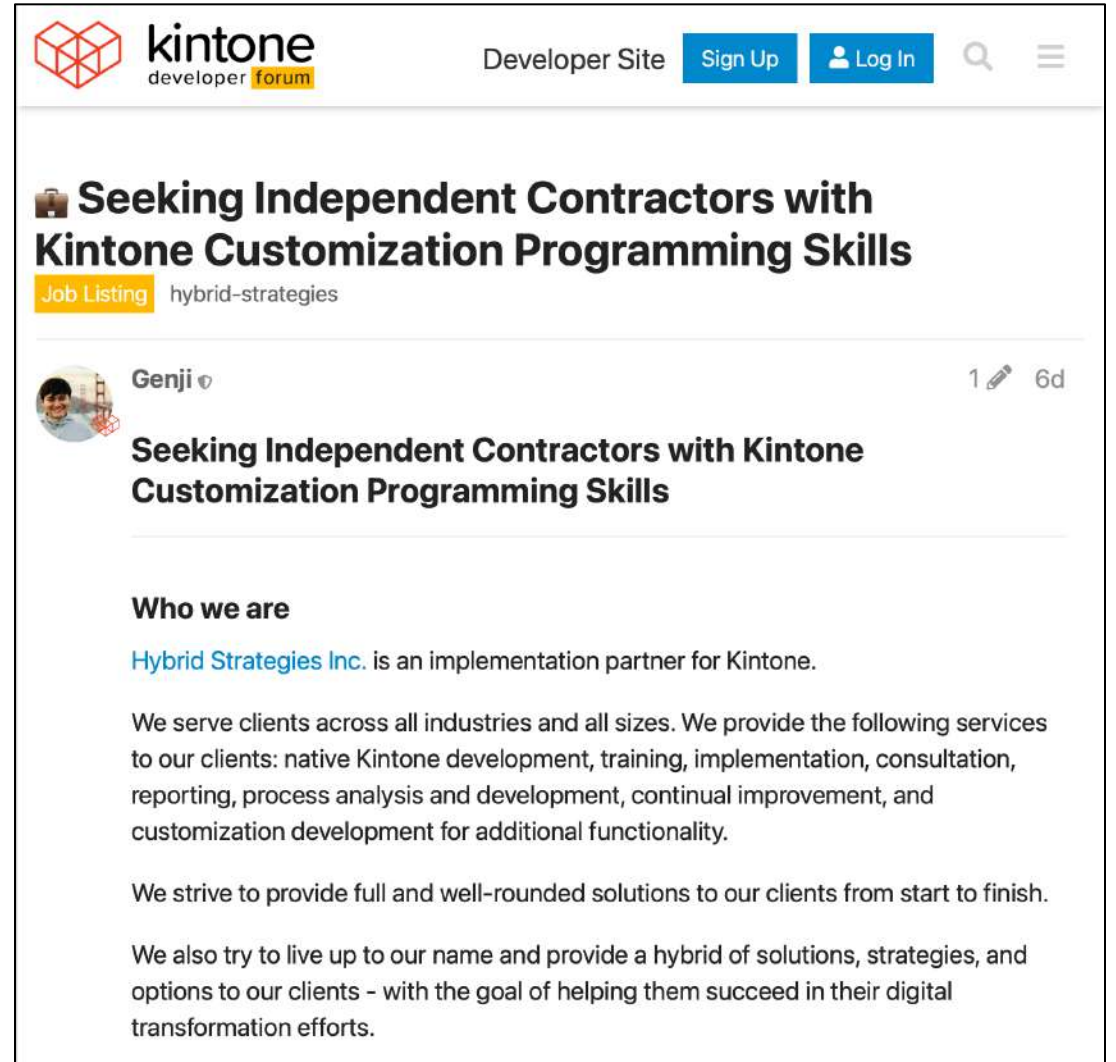
Want a Job?

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/



The screenshot shows a forum post on the Kintone Developer Forum. The header includes the Kintone logo, 'Developer Site', and buttons for 'Sign Up' and 'Log In'. The post title is 'Seeking Independent Contractors with Kintone Customization Programming Skills', categorized under 'Job Listing' and 'hybrid-strategies'. The author is 'Genji'. The post content describes 'Hybrid Strategies Inc.' as an implementation partner for Kintone, listing services like native Kintone development, training, and customization. It also mentions their goal of providing full solutions and helping clients succeed in digital transformation.

kintone
developer forum

Developer Site Sign Up Log In

Seeking Independent Contractors with Kintone Customization Programming Skills
Job Listing hybrid-strategies

Genji

1 6d

Seeking Independent Contractors with Kintone Customization Programming Skills

Who we are

Hybrid Strategies Inc. is an implementation partner for Kintone.

We serve clients across all industries and all sizes. We provide the following services to our clients: native Kintone development, training, implementation, consultation, reporting, process analysis and development, continual improvement, and customization development for additional functionality.

We strive to provide full and well-rounded solutions to our clients from start to finish.

We also try to live up to our name and provide a hybrid of solutions, strategies, and options to our clients - with the goal of helping them succeed in their digital transformation efforts.

Thank You for Your Participation!

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



<https://bit.ly/22OCT>