



# Welcome to the **Svelte x Kintone Workshop!**

**Download  
Code & Slides**

[bit.ly/KDP\\_SVELTE](https://bit.ly/KDP_SVELTE)

**git clone** the  
GitHub Repo



**Get Your  
Kintone Subdomain**

Developer License  
Registration Form

[bit.ly/KDP\\_NEW](https://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](https://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](http://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

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!

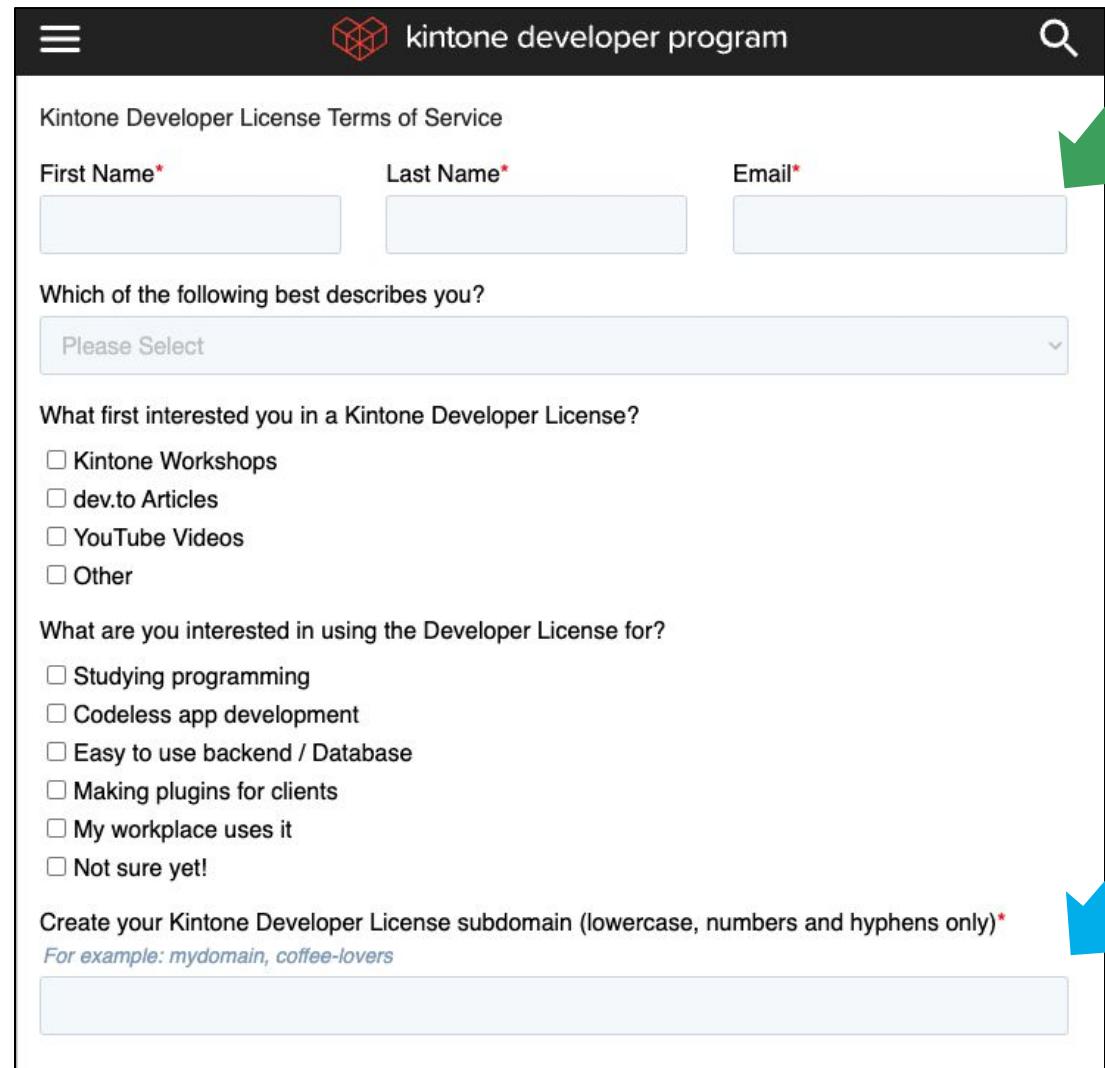
Create your Kintone Developer License subdomain (lowercase, numbers and hyphens only)\*  
*For example: mydomain, coffee-lovers*



# Get Your Kintone Subdomain

The login name is your email

Remember your subdomain!  
Your Kintone's login link will be  
**YOUR\_SUBDOMAIN.kintone.com**



Kintone developer program

Kintone Developer License Terms of Service

First Name\*      Last Name\*      Email\*

Which of the following best describes you?

Please Select

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What are you interested in using the Developer License for?

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 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.

☰ README.md

### Debugging - Let's Fix Those Problems 💪

Here is a rundown of common problems & their solutions!

#### Errors related to .env

Are you getting one of the following error messages? If you get one of the following error messages, then please verify , and you have not modified the `.env.example`

- Failed to find `.env` file at default paths:  
`[./.env,./.env.js,./.env.json]`
- [webpack-cli] Error: Missing environment variable:  
`KINTONE_BASE_URL`
- [webpack-cli] Error: Missing environment variable:  
`KINTONE_USERNAME`
- [webpack-cli] Error: Missing environment variable:  
`KINTONE_PASSWORD`
- [webpack-cli] Error: Missing environment variable:  
`VIEW_ID`



# How Confident Are You in JS?

From a scale of 1 to 5,  
comment on Zoom Chat  
how you feel about JavaScript



The screenshot shows a Zoom meeting chat interface. At the top, it says "Meeting Chat". A message from "Sean / ショーン@Kintone Tokyo to Everyone 16:08" reads "Excited for the workshop!". Below it, another message from "Me to Everyone 16:08" asks "How comfortable is everyone with Javascript?". In response, a participant replies with the number "3". At the bottom of the chat window, there's a message about privacy settings: "Who can see your messages? Recording On". The message input field at the bottom has "Everyone" selected under "To:" and includes icons for file, smiley face, and more.

Meeting Chat

Sean / ショーン@Kintone Tokyo to Everyone 16:08

Excited for the workshop!

How comfortable is everyone with Javascript?

Me to Everyone 16:08

3

Who can see your messages? Recording On

To: Everyone

Type message here...



# Hello From Kintone

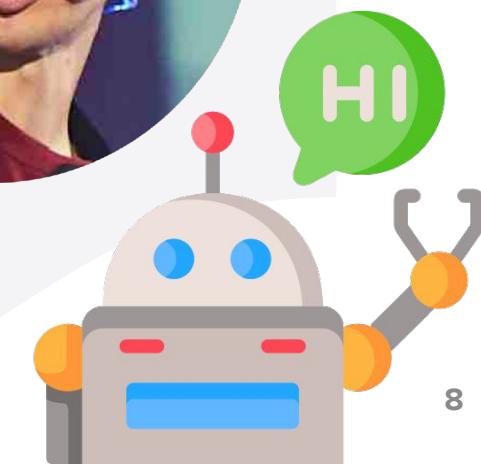
**Sean**



**Genji**



**Will**



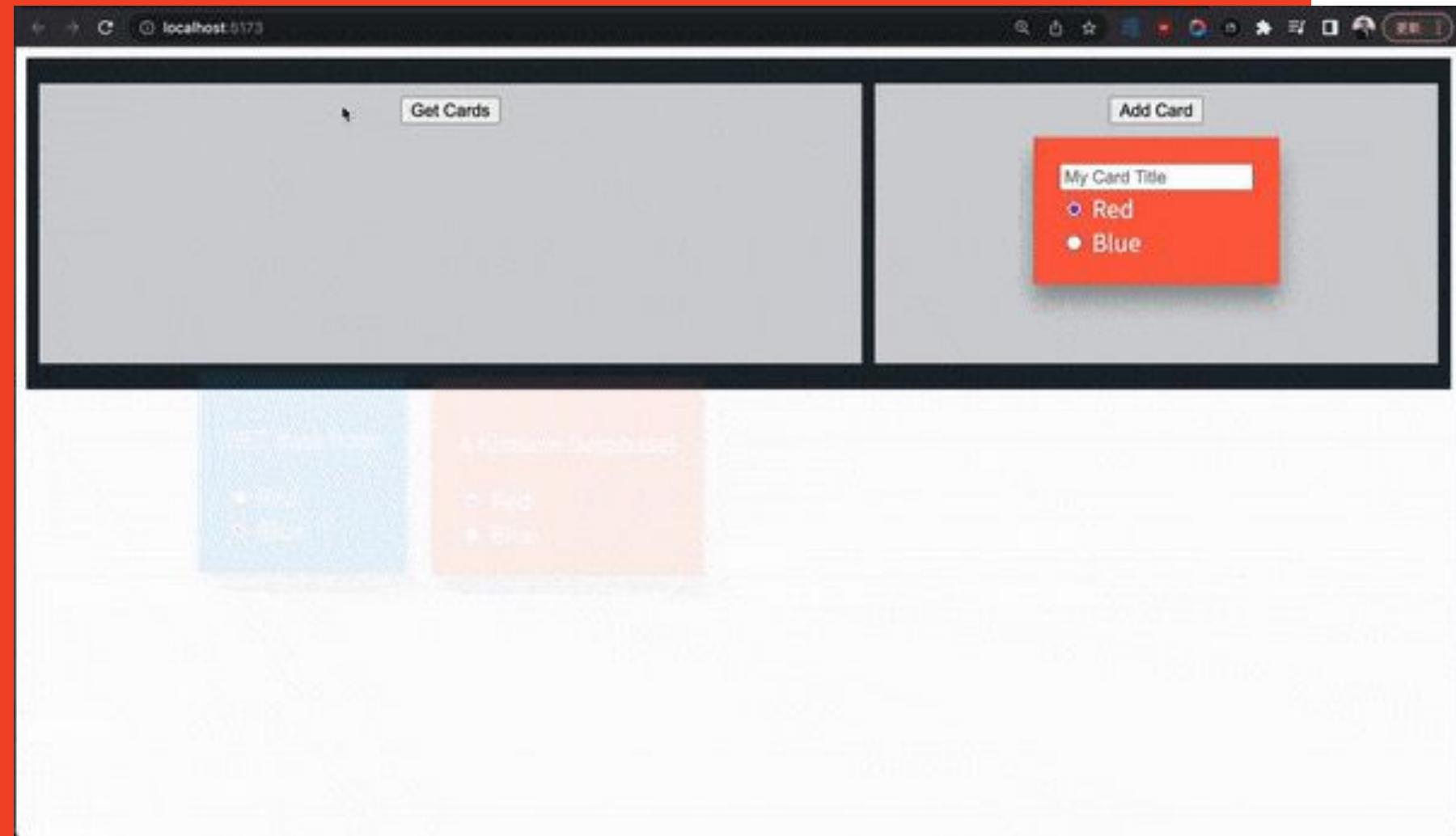
# LEARN TO CODE JAVASCRIPT

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



SVELTE

# What We Will Make Today





# Workshop Overview

## Project Setup

Project Overview

Install Dependencies

Create a .env file

Create a Web Database

## Coding

Frontend card HTML

Frontend GET request

Backend API calls

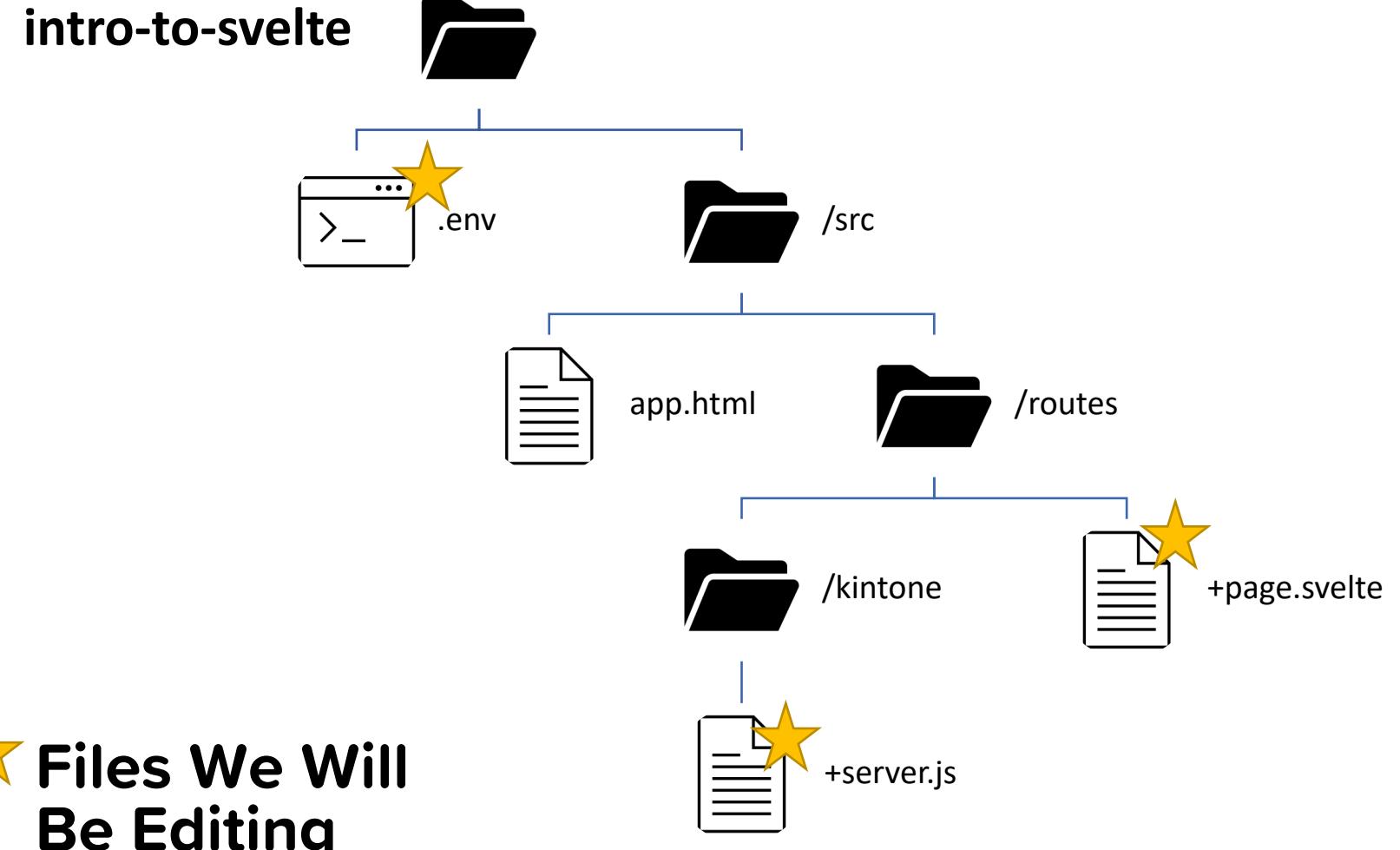
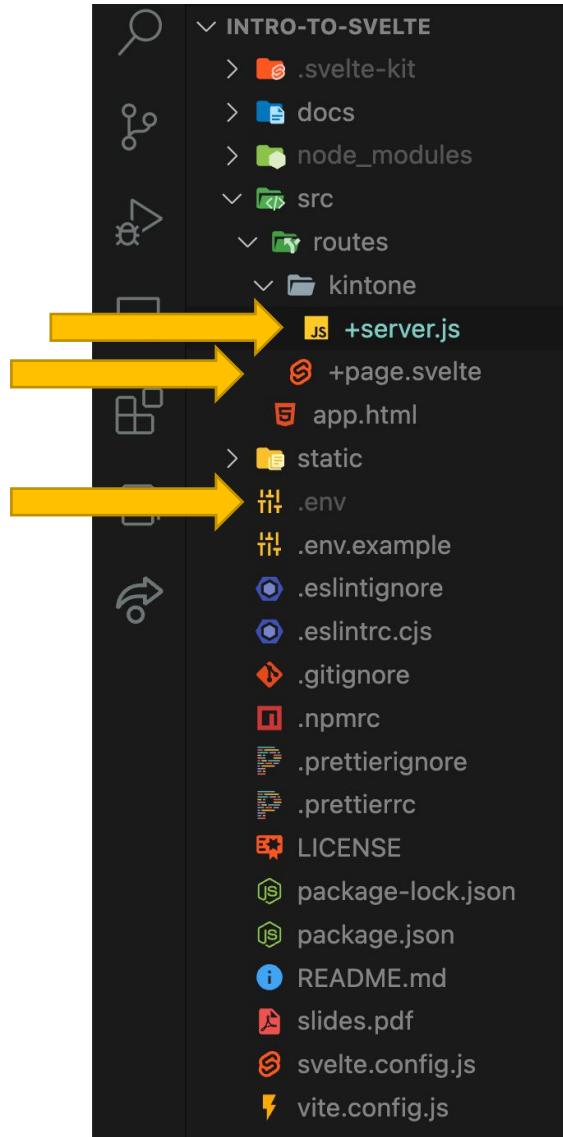
## Extras!

Try deploying the App?

Refactor the codebase?

We'll see!

# Overview of the Repo



★ Files We Will  
Be Editing

# 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 & simple!

## Organize Your Project!

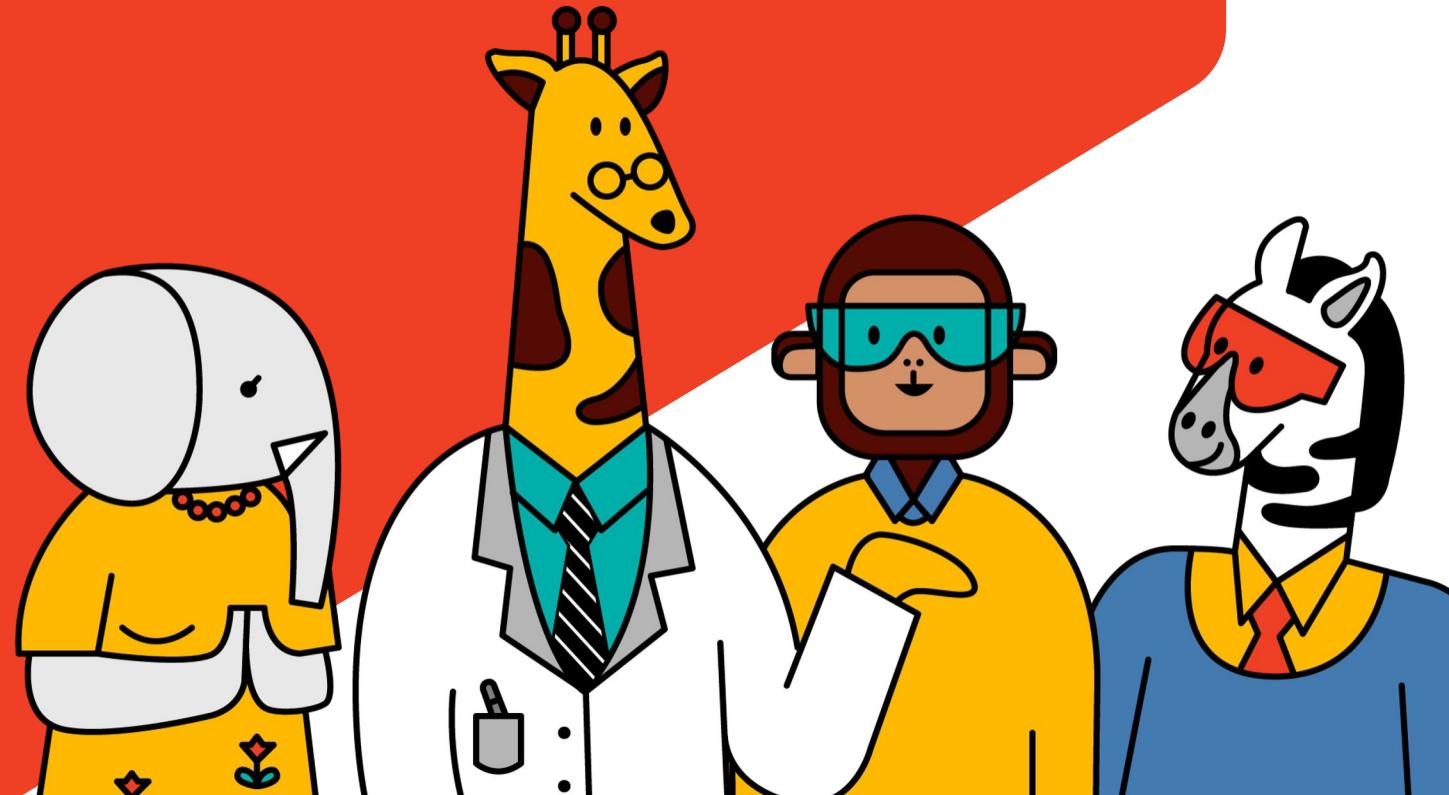
- Svelte lets developers "separate concerns"
- Helps keep the codebase organized.
- JS, HTML, & CSS are all in one file!

## Svelte-Kit

- Svelte-kit is an optional powered up version!
- It 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?

The screenshot displays the Kintone interface with several sections:

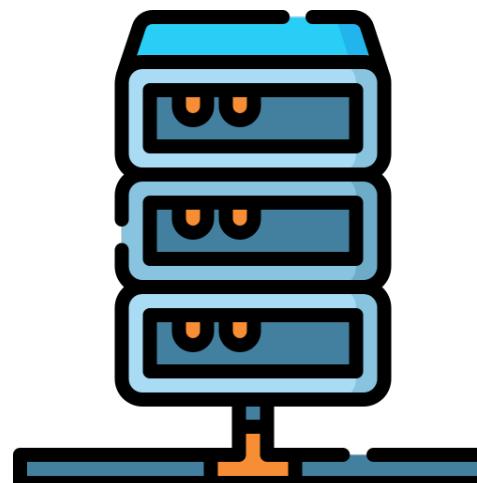
- Announcement:** A green header bar with the word "Sales".
- Customer Database:** Shows three cards: "Customer Database" (Admin:Green), "Sales Leads" (Admin:Green), and "Contact Log" (Admin:Green).
- Dashboard:** Contains two charts: a bar chart for "Sales Leads: Monthly Expected Sales (per priority)" and a pie chart for "Total(Amount)".
- Threads:** A list of threads: "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: "Vendor Database", "Item Database", "[Of] Product List", "[Of] Invoices", "[Of] Seminar Survey", "[Of] Attendee Lists", "[Of] Event Calendar", "[Of] Activity Log", "[Of] Sales Leads", and "[Of] Customer Database".
- People:** A list of members: Hiroko ..., Mary Si..., John S..., Rudy Red, Polly Pink, Bill Blue, Glen Gr..., Paul Gray, Mark Pe..., Dannie ...

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

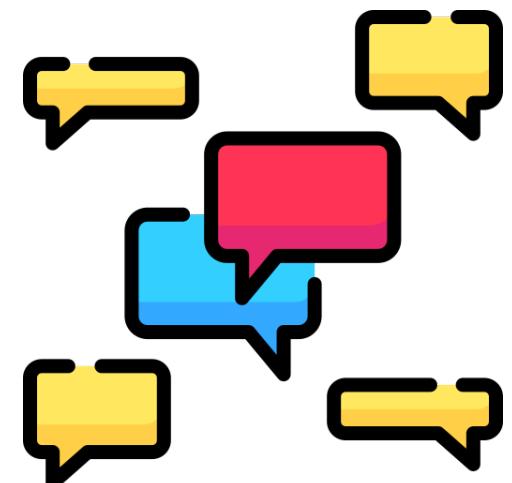
# Where Kintone is Special!



kintone



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



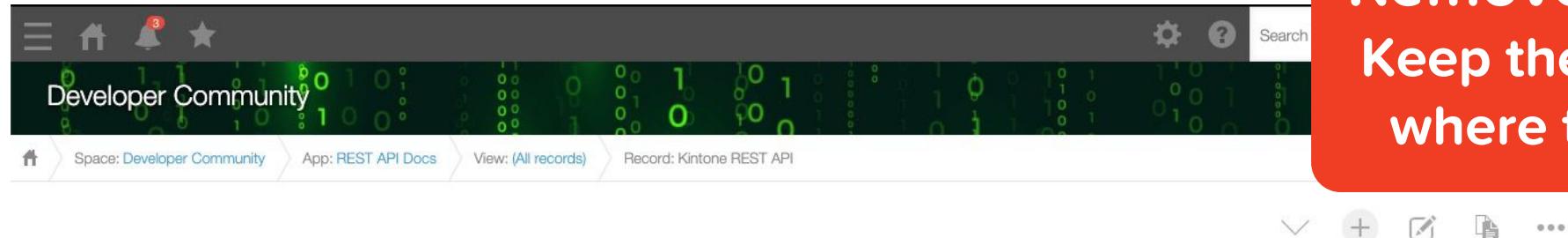
# Missing - Unified Communication

## 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

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:

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

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

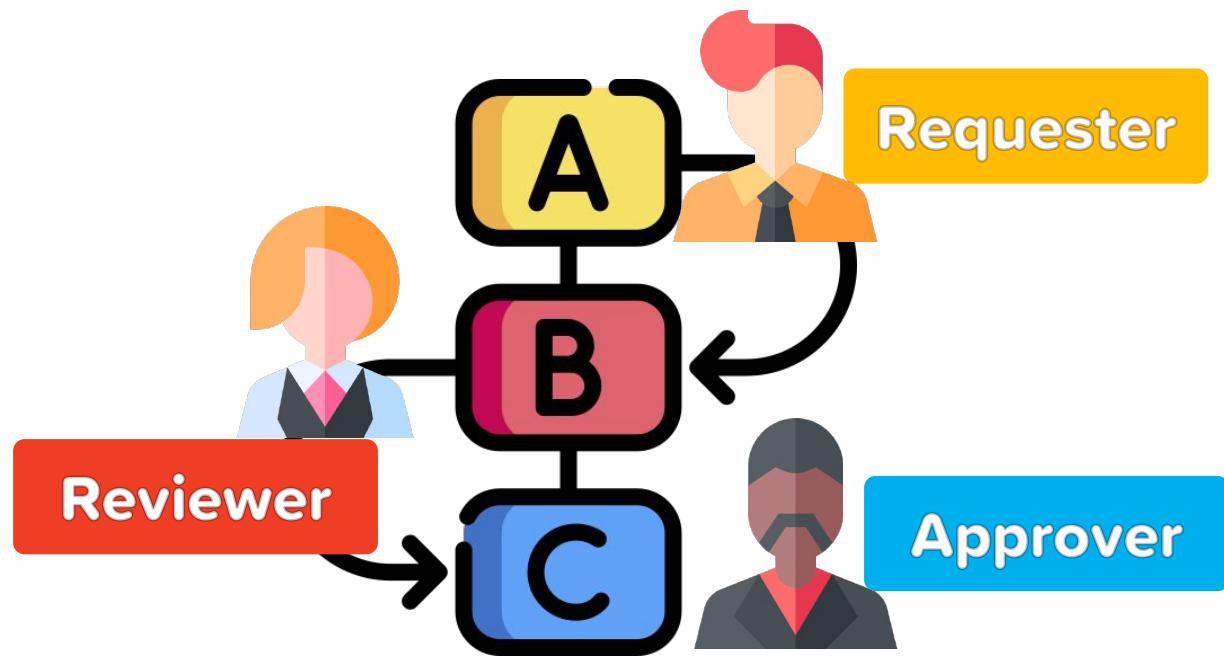
1: Genji Aug 27, 2020 1:27 AM  
@Clare - Support Please take a look at this document.

Like Reply

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 Word Cloud

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!

tickets-115435658161

2: John - Manager @Genji Assign this event to @Clare - Support

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

Like Reply

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, a banner reads: '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 is a table titled 'My To Do' with the following columns: To Do, Priority, Due date, Status, Details, and Attachment. The table contains five records:

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 icons for My To Do, a graph, a filter, and a list.

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

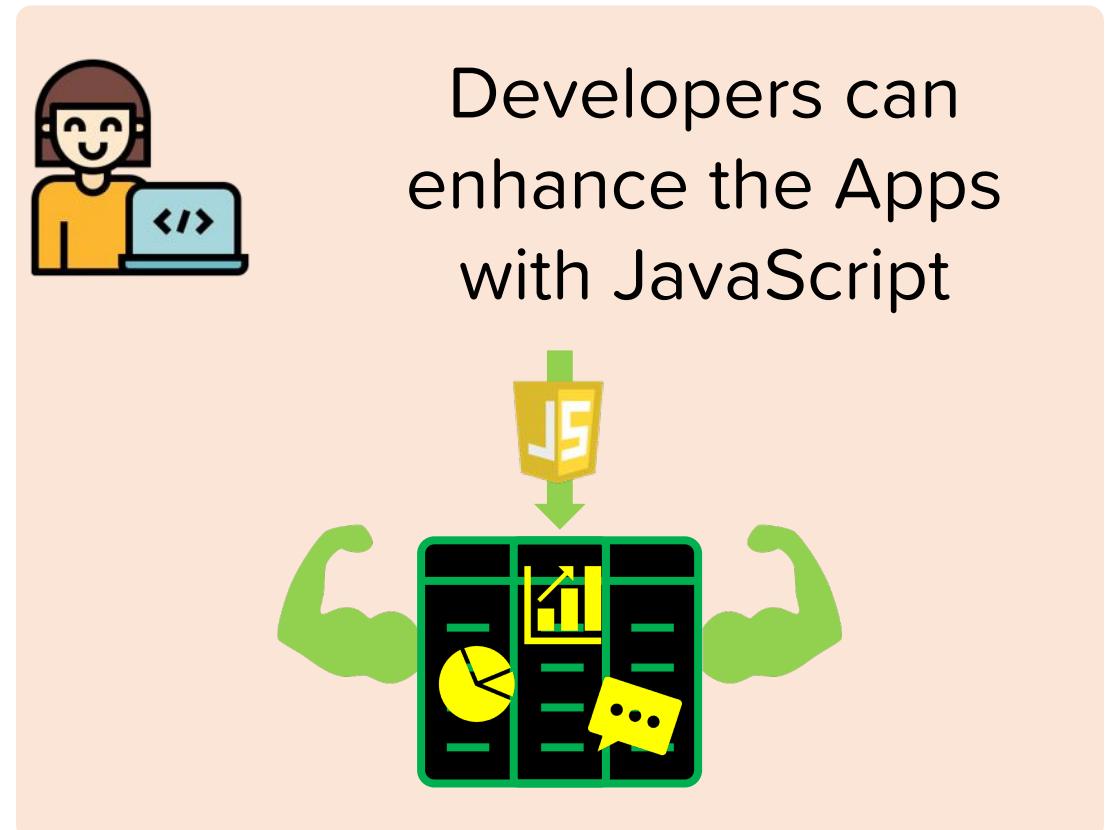
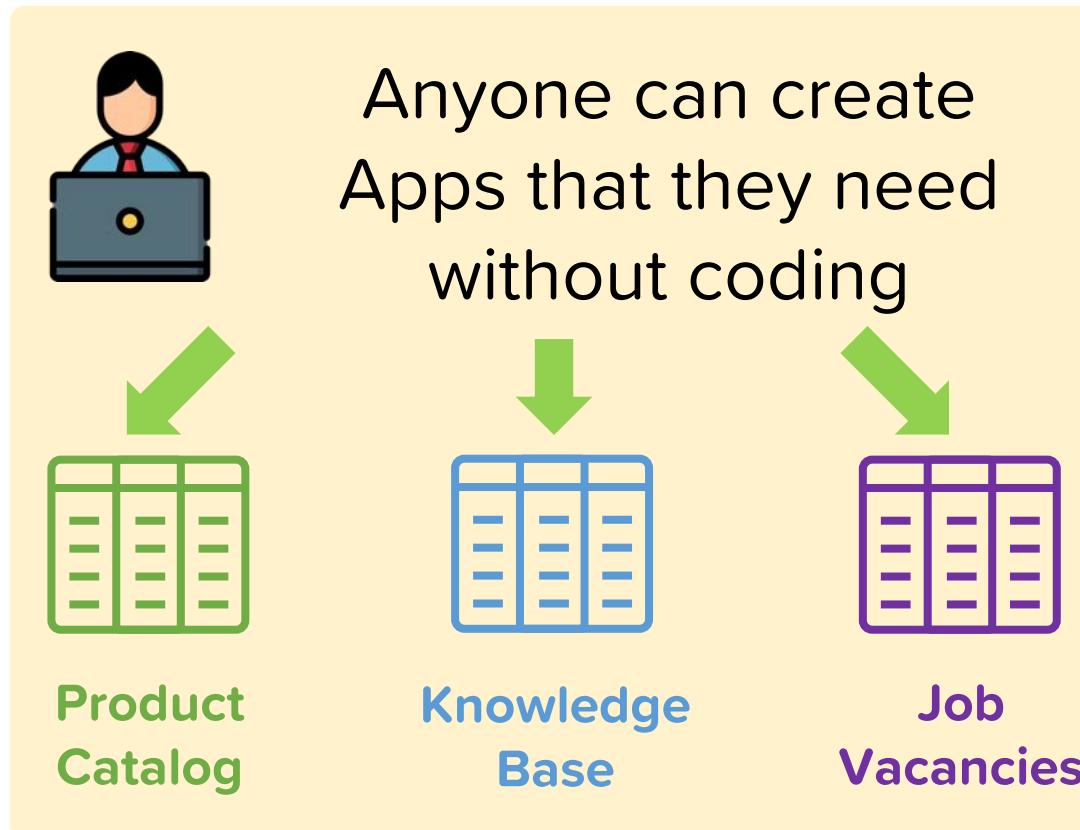
Discard Changes Update App

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

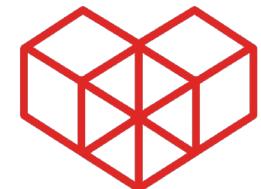
**Apps** are extensively **customizable** with client-side **JavaScript**.

# Everyone Contributes!

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



# How Developers Contribute

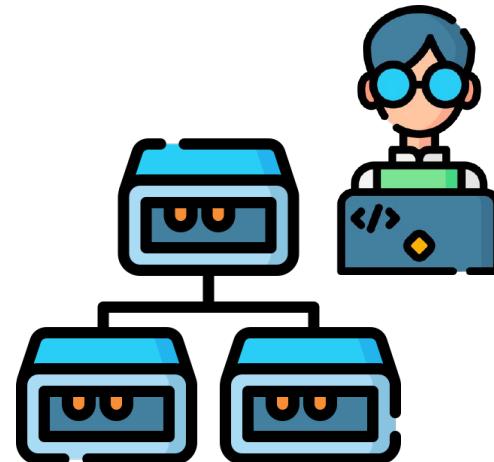


**kintone**  
developer program

# How Developers Contribute

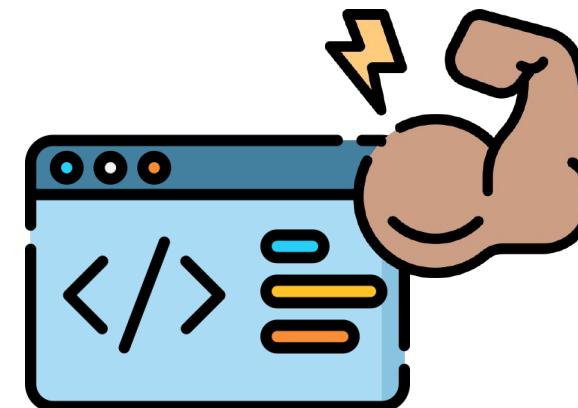
## Command Center

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



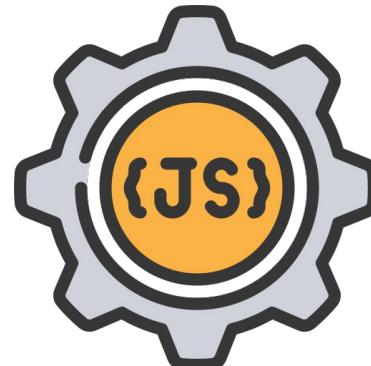
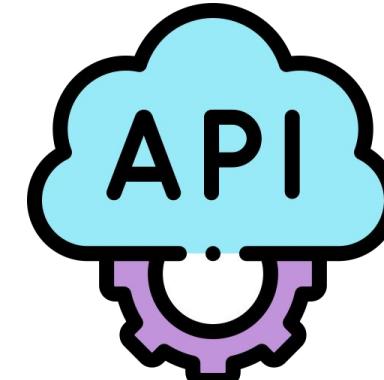
## Enhancements

- Develop JavaScript customizations
- Build & share extensions



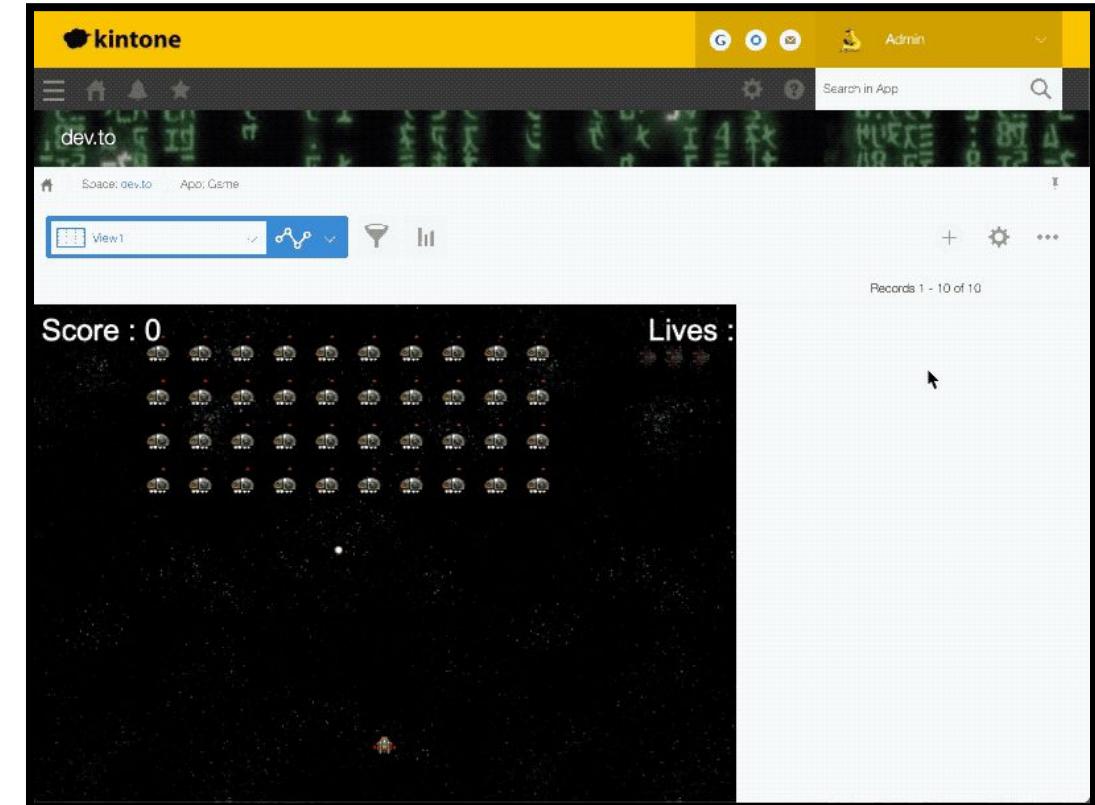
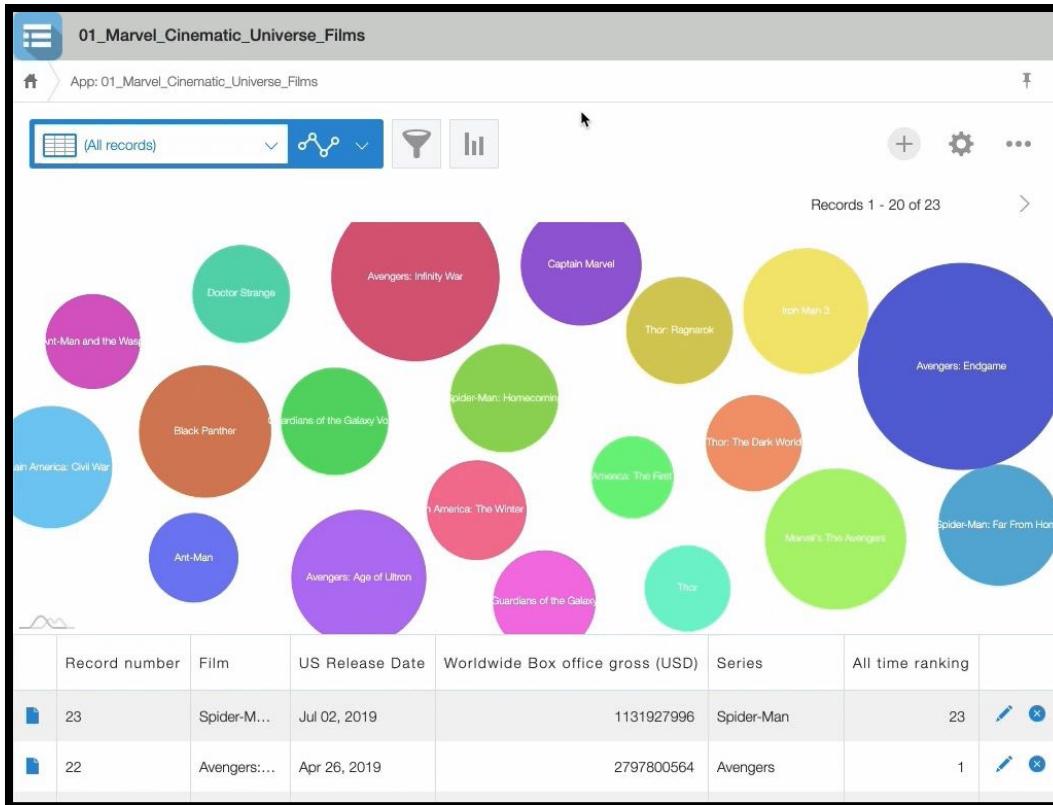
# Tools Inside Kintone

- 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



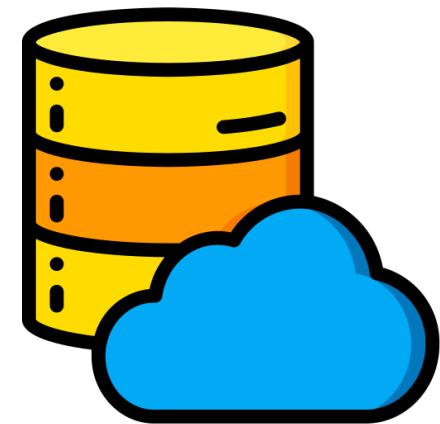
Consult with firms  
on achieving  
business goals



Develop Kintone  
customizations for  
customers

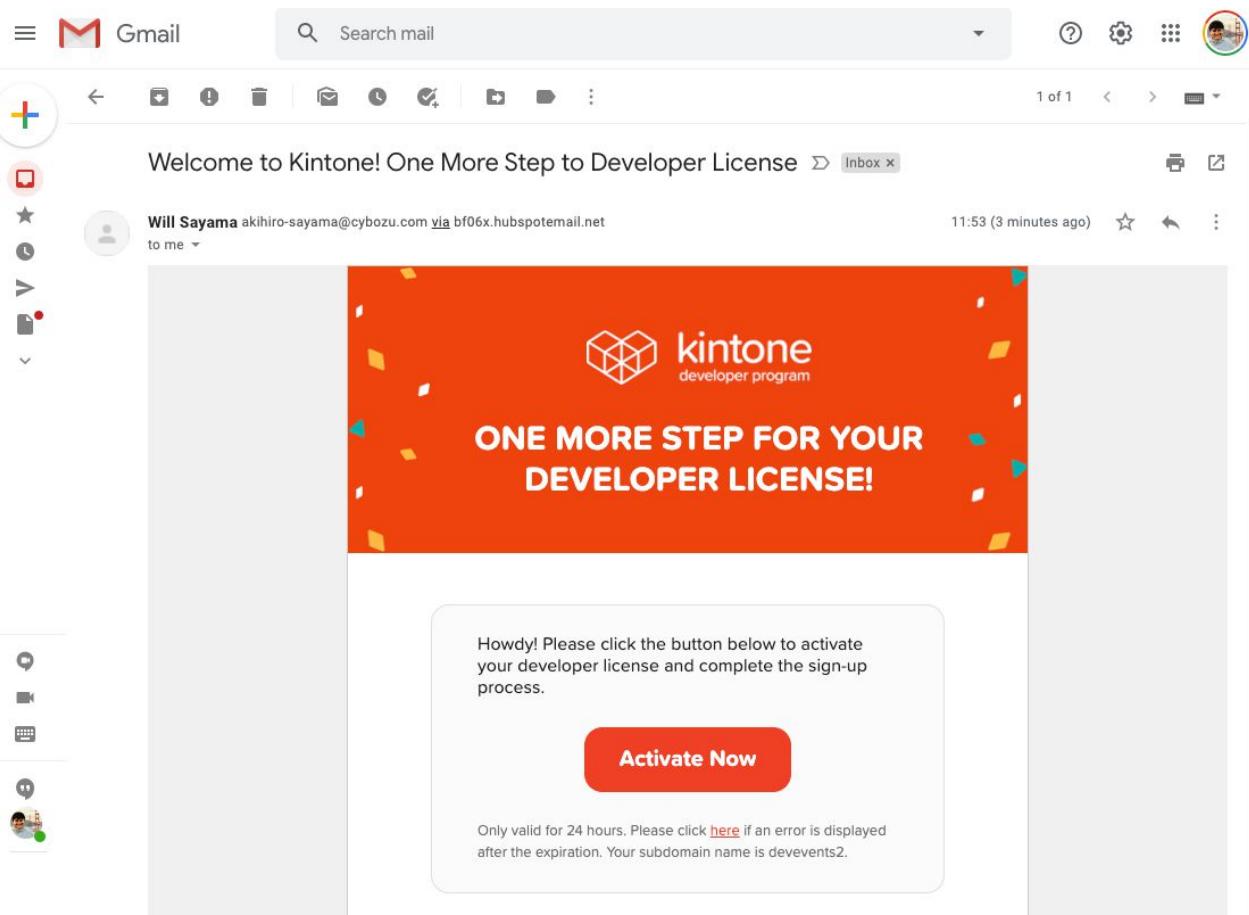
# Let's Create a Kintone Database App

Step-By-Step Guide

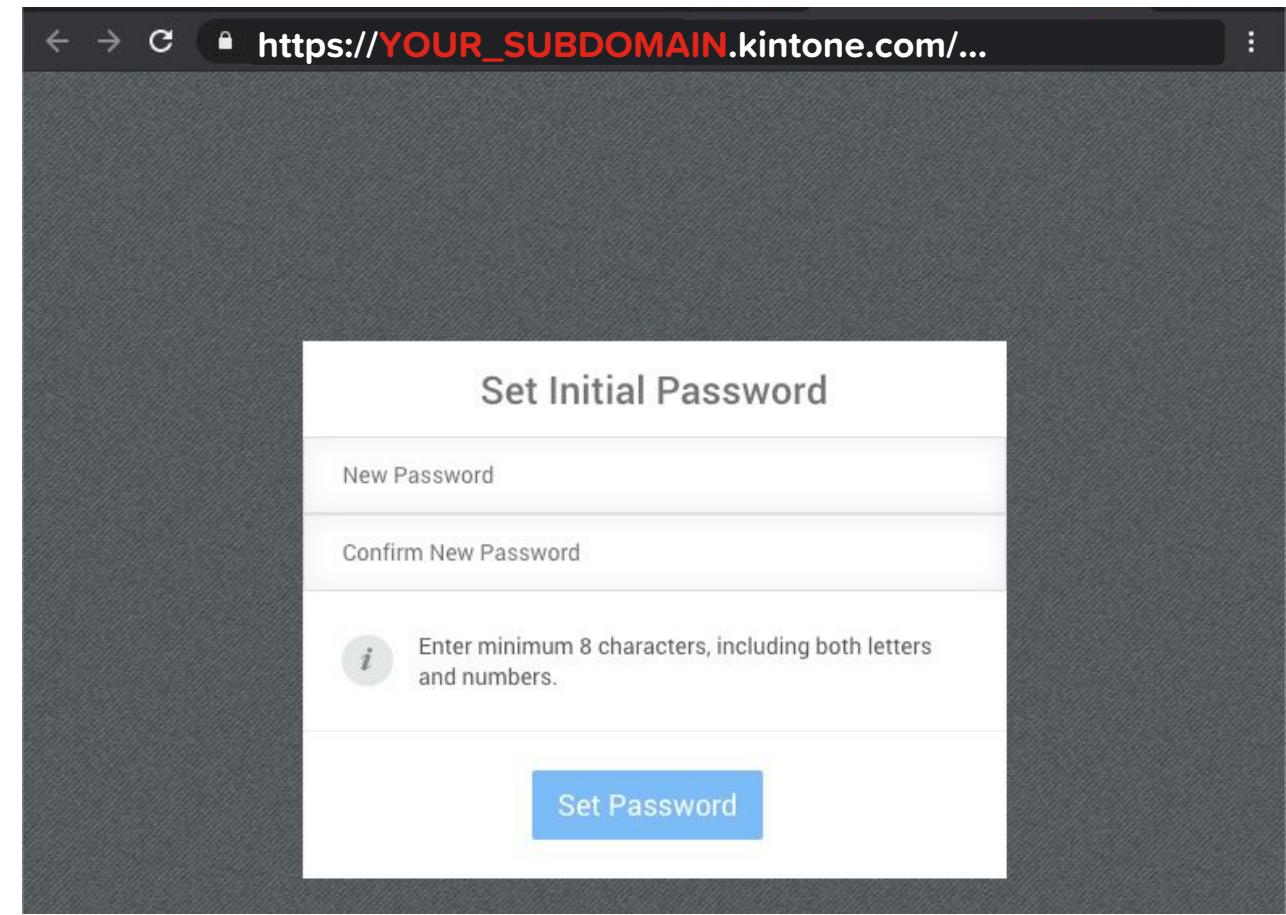


# Check Your Email

Welcome to Kintone! One More Step To...



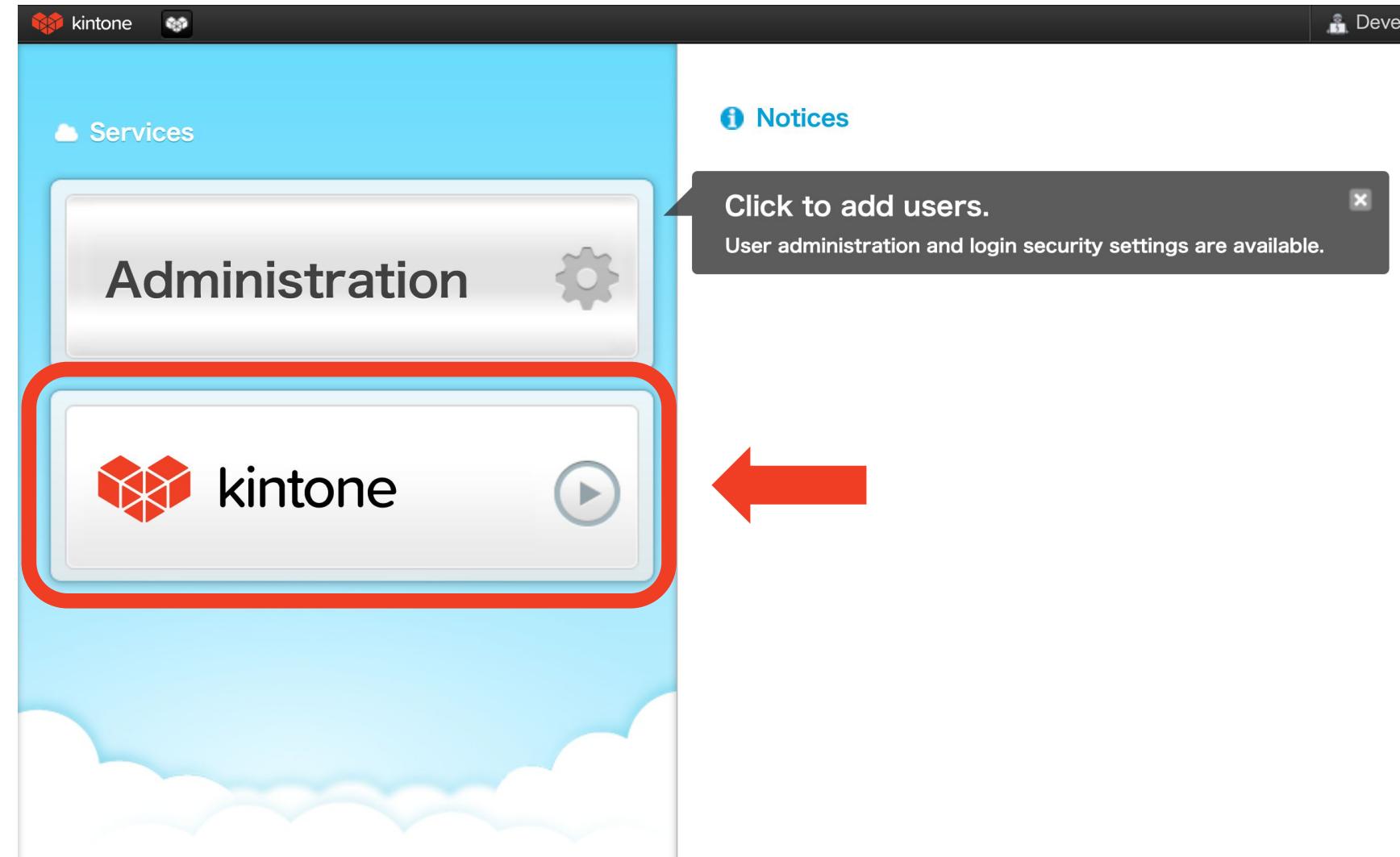
**YOUR\_SUBDOMAIN.kintone.com**



# Let's Log into Kintone

Click on Kintone button on the Left side

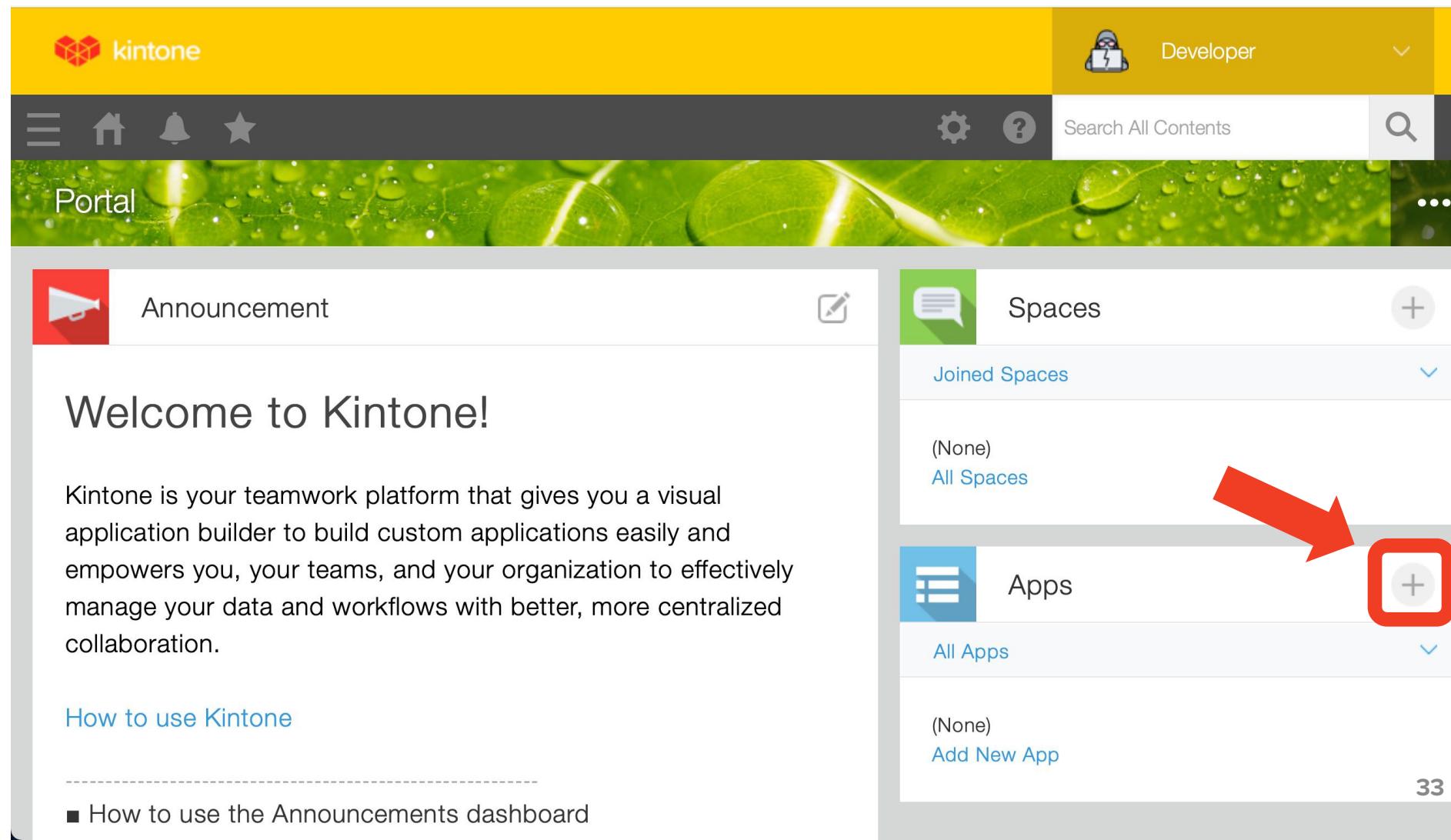
The email has the initial registration link & subdomain



# Create a Kintone Database App

From the Portal screen

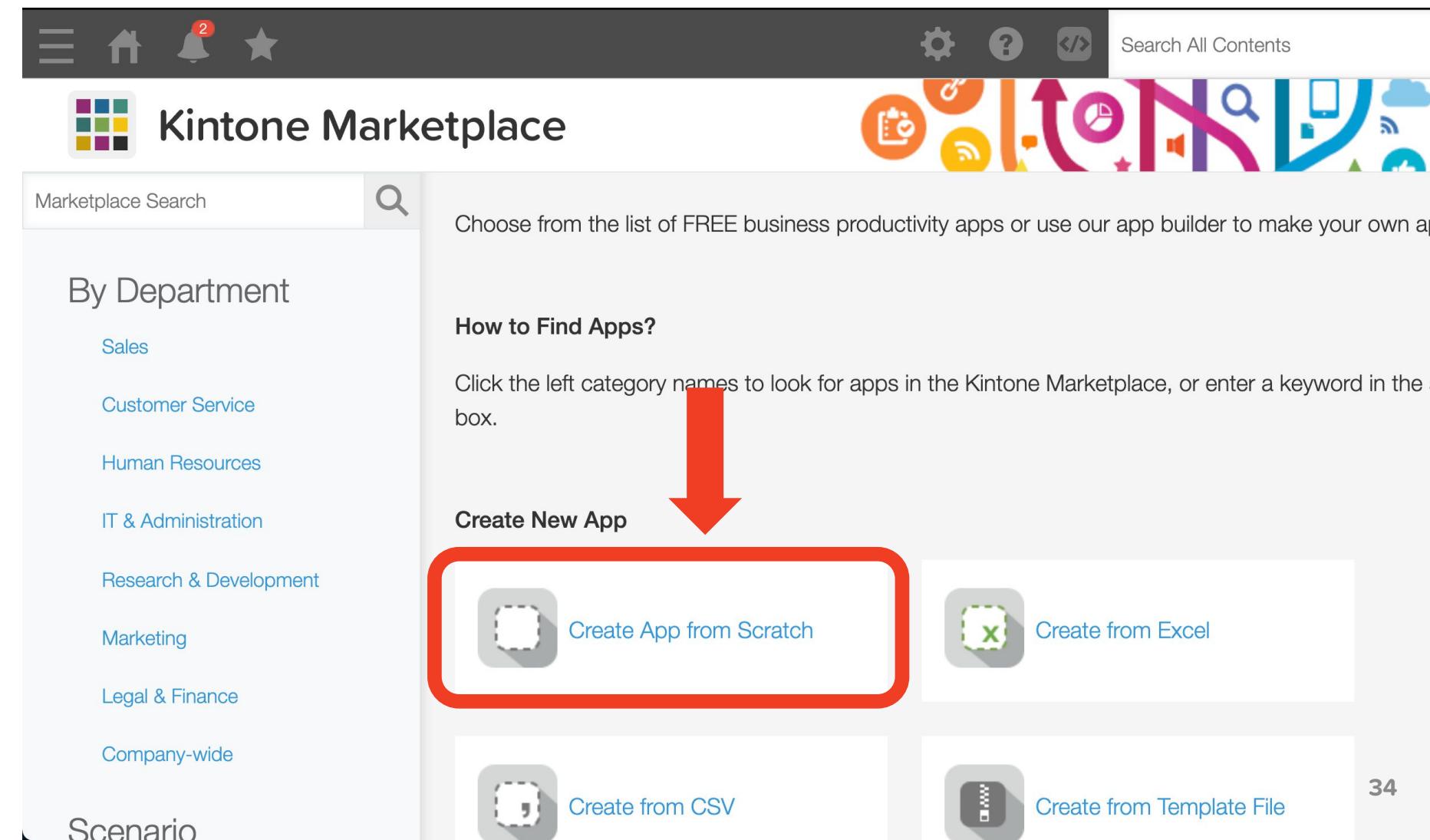
Click the **[+]** button on the Right side



# 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

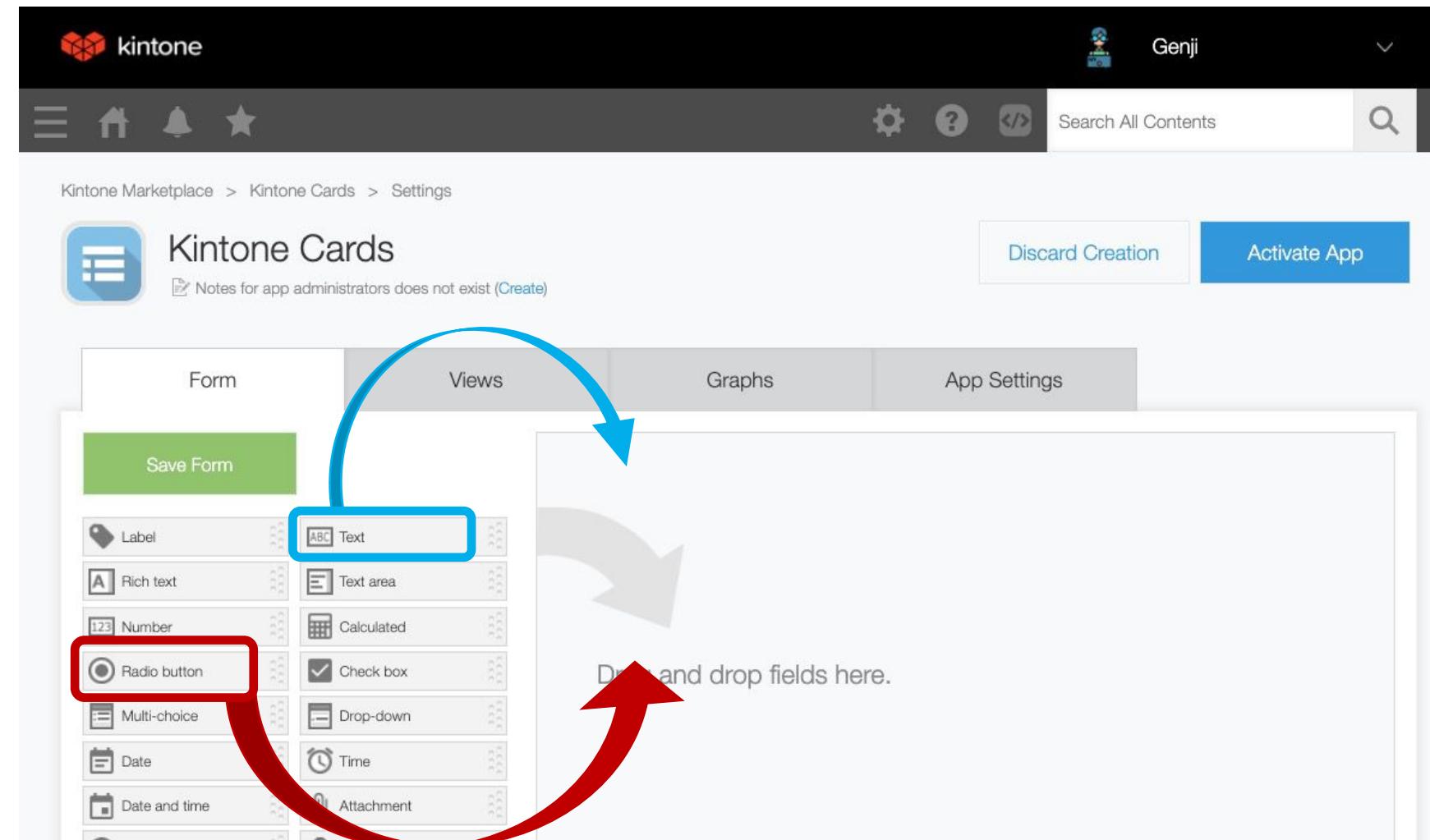
We will input  
"Kintone Cards"

The screenshot shows the Kintone 'New App' creation interface. At the top, there is a yellow header bar with the Kintone logo, a developer icon, and a search bar labeled 'Search All Contents'. Below the header is a dark navigation bar with icons for home, settings, and help. The main area shows the 'New App' title in a blue box, with a note below it: 'Notes for app administrators: This app does not exist (Create)'. A red arrow points to this note. Below the title are tabs for 'Form', 'Views' (which is selected), 'Graphs', and 'App Settings'. On the left, there is a sidebar with a 'Save Form' button and a list of field types: Label, Text, Rich text, Text area, Number, Calculated, Radio button, Check box, Multi-choice, Drop-down, Date, Time, Date and time, and Attachment. To the right, there is a large area with a grey arrow pointing down and the text 'Drag and drop fields here.'

# Building the App

Drag & drop the following fields into the middle area

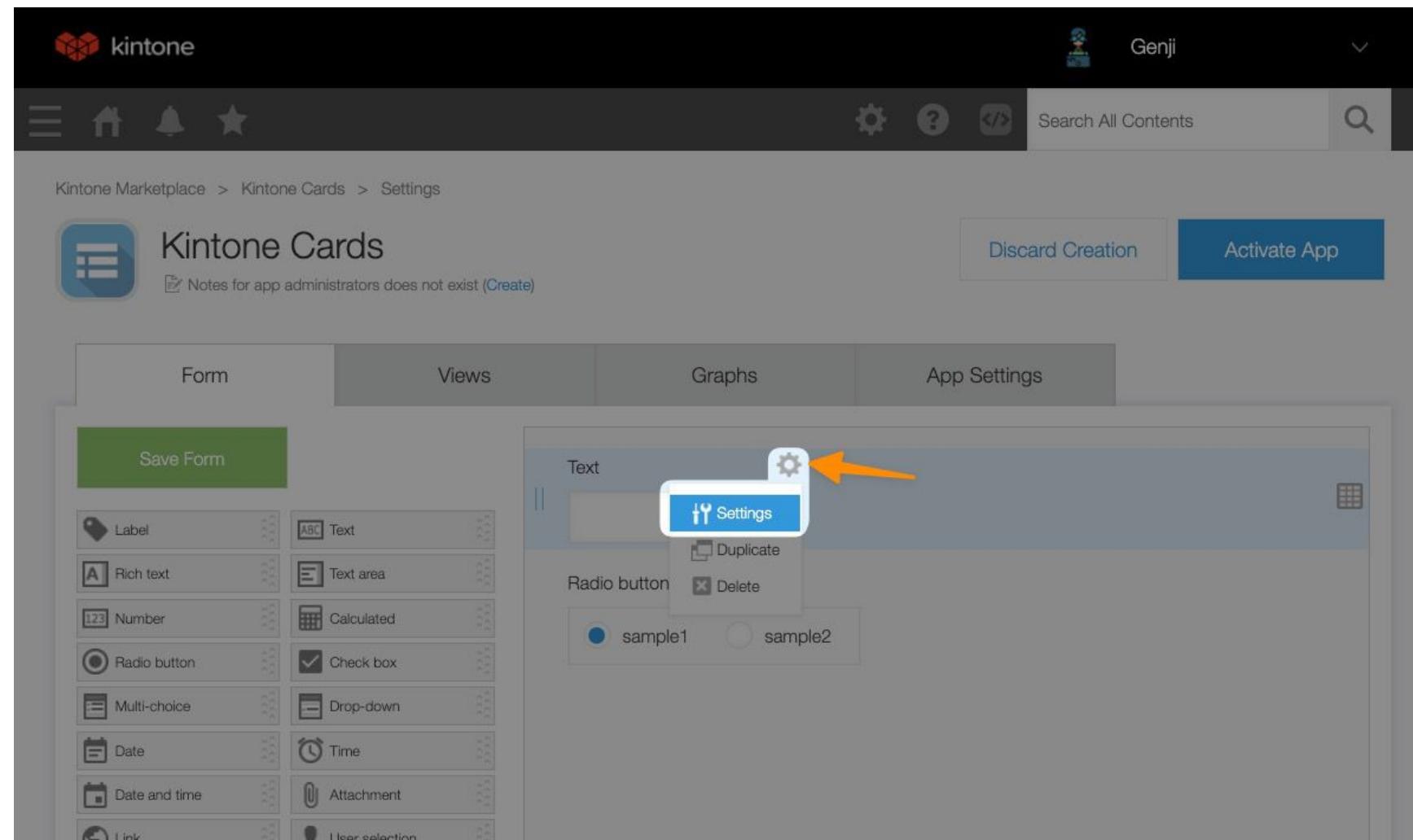
- **Text**
- **Radio Button**



# Configure Fields

Let's configure the Text field!

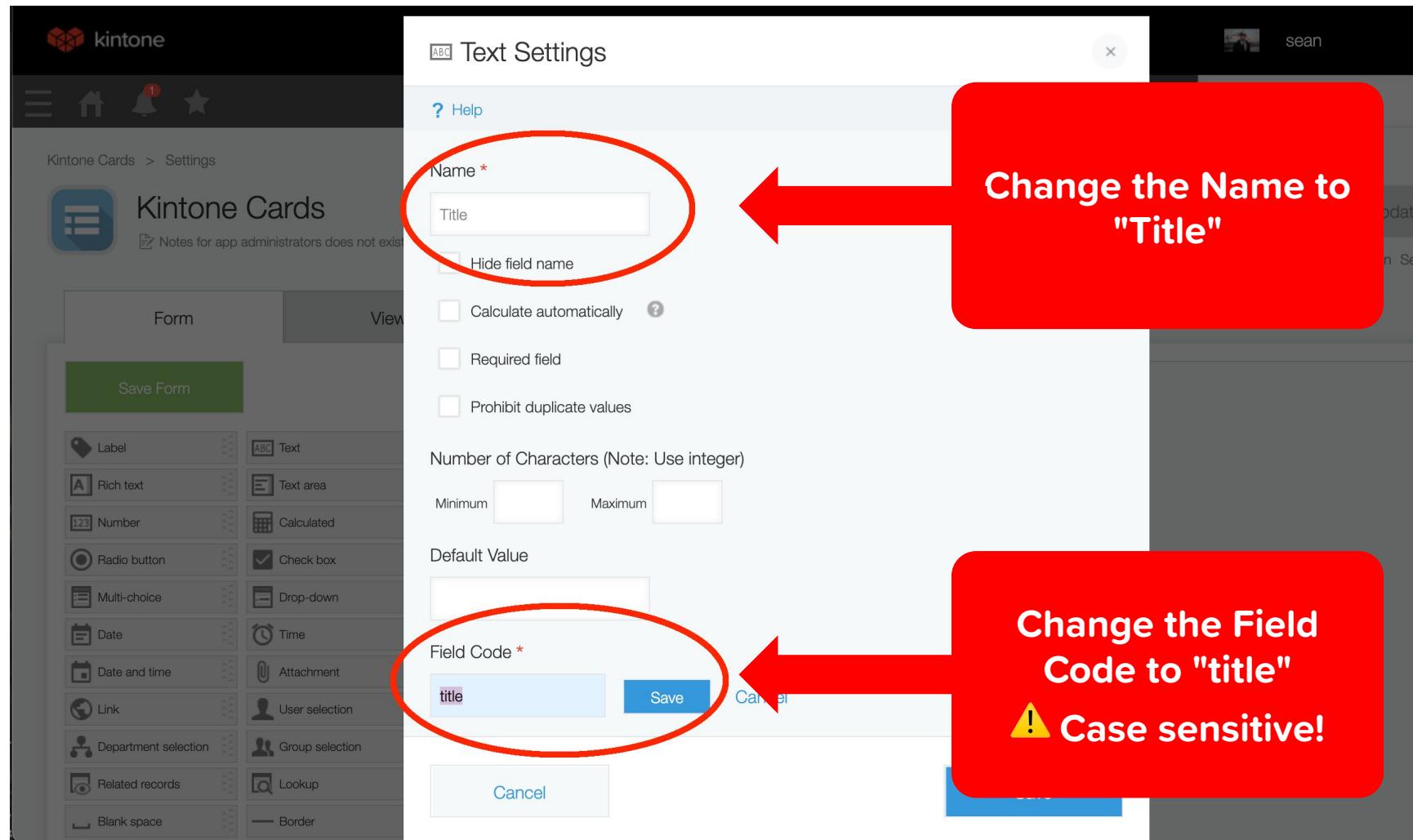
Click on the **Gear**, then the **Settings** option.



# Inside the Text Field Settings

For the Text field,

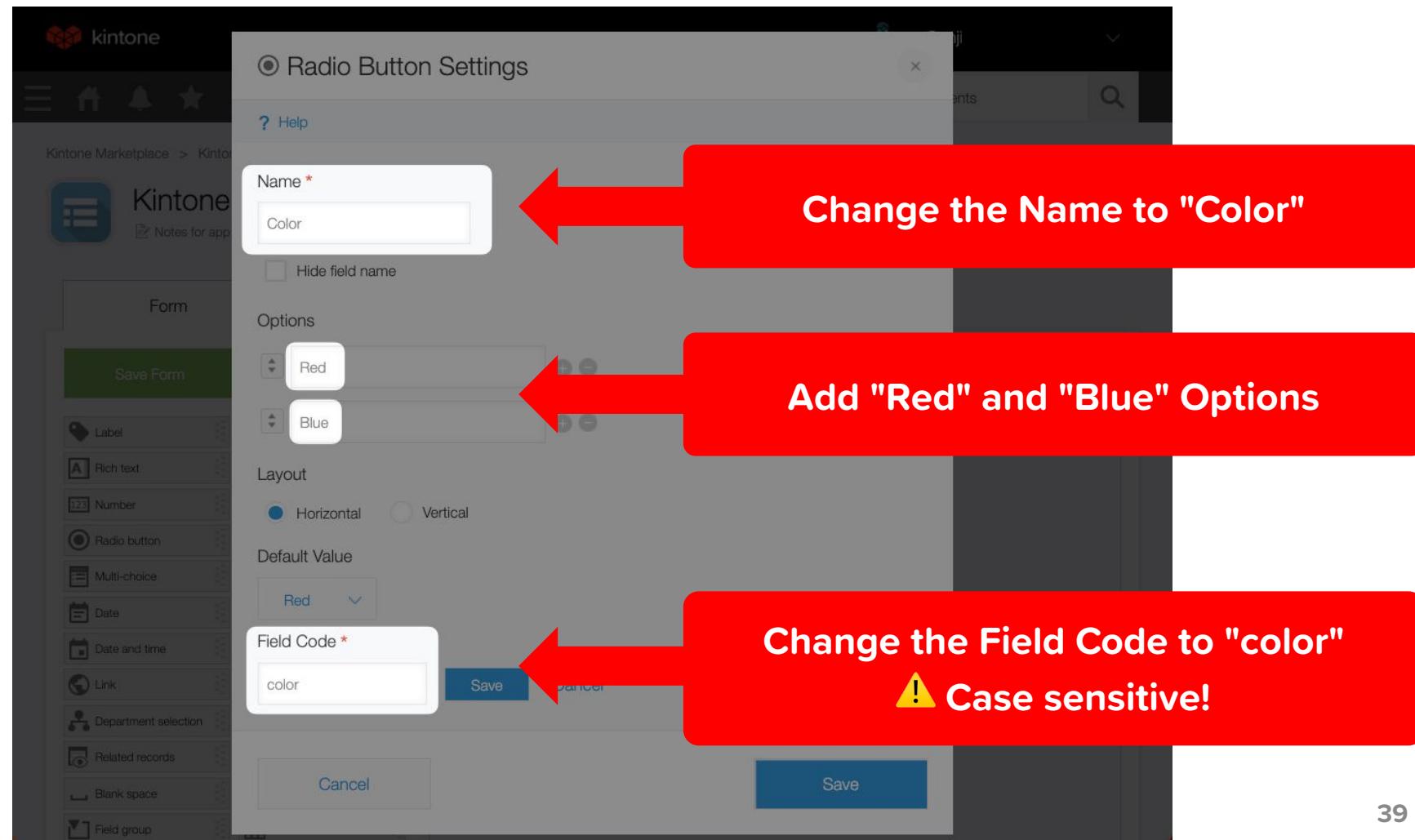
- Edit the **Name**
- Edit the **Field Code**



# Inside the Radio Button Field Settings

For the Radio Button,

- Edit the **Name**
- Add **Red & Blue** options
- Edit the **Field Code**



# Does Your App Look Like This?

We changed...

- Title
- 1x Radio Button
- 1x Text

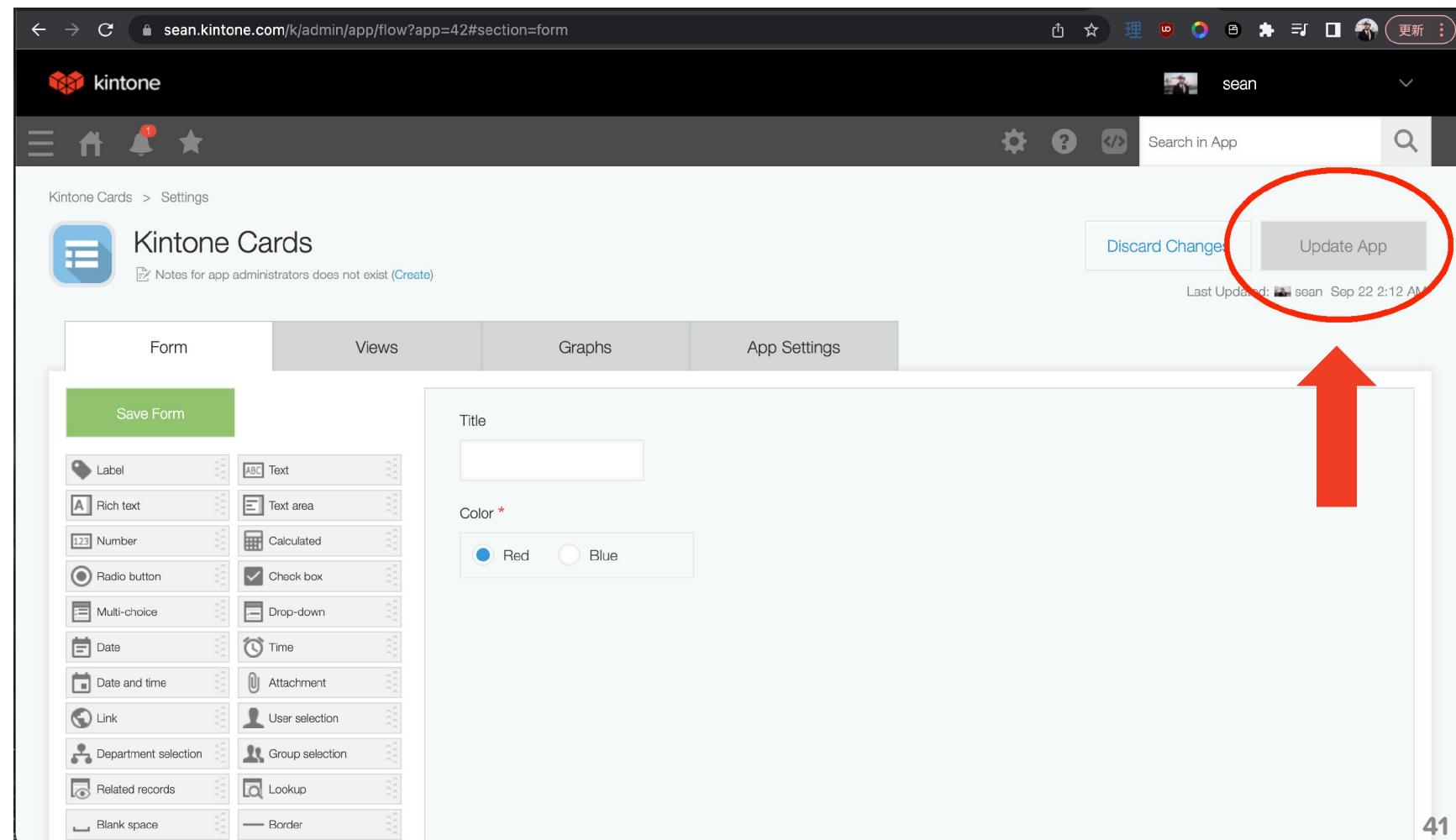
Set the fields'

- Names
- Field Codes

The screenshot shows the kintone app builder interface. At the top, there's a navigation bar with the kintone logo, a home icon, a notification bell with a red '1', a star icon, a gear icon, a question mark icon, and a search bar labeled 'Search in App'. On the far right, it shows a profile picture of 'sean' and the text 'Last Updated: sean Sep 12'. Below the navigation, the title 'Kintone Cards' is displayed, along with a note: 'Notes for app administrators does not exist (Create)'. There are four tabs: 'Form' (highlighted in green), 'Views', 'Graphs', and 'App Settings'. In the 'Form' tab, there's a 'Save Form' button and a grid of field icons. The icons include: Label, Rich text, Number, Radio button, Multi-choice, Date, Date and time, Link, Department selection, Related records, and Blank space. To the right of these, there are two input fields: 'Title' and 'Color \*'. Under 'Color \*', there are two radio buttons: 'Red' (selected) and 'Blue'.

# Activate the Kintone Database App

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

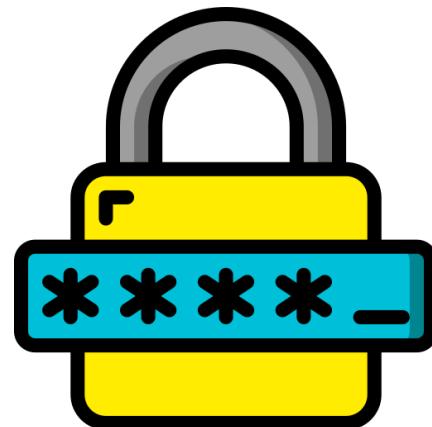


# Connect Kintone to the Project

1. Kintone Subdomain

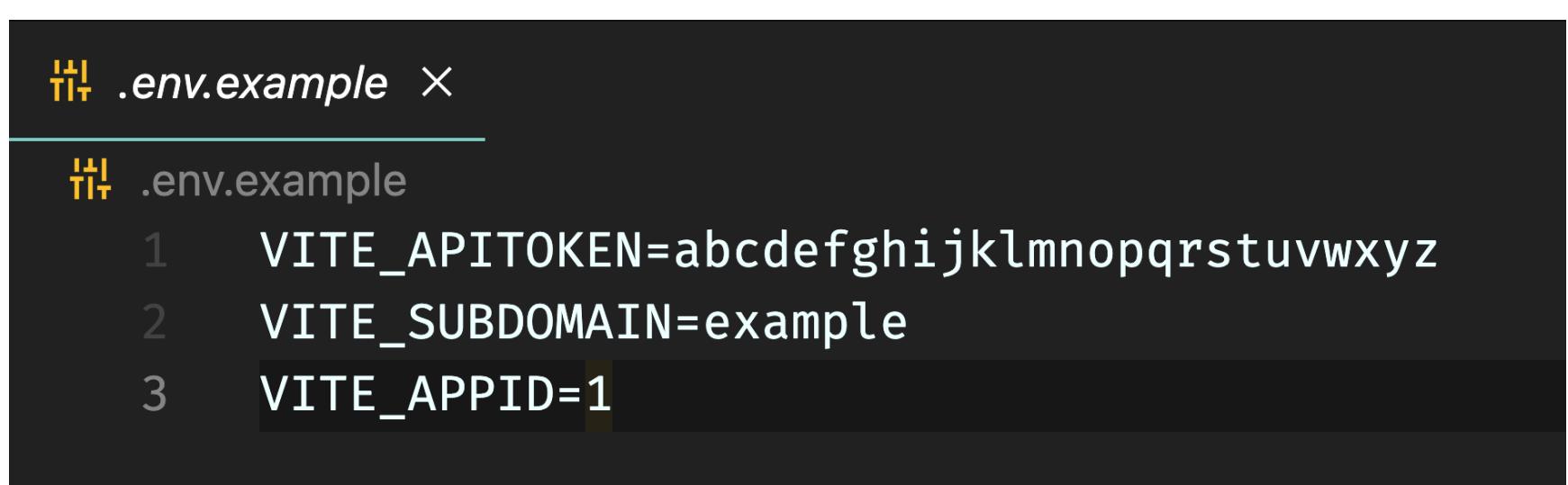
2. App ID

3. API Token



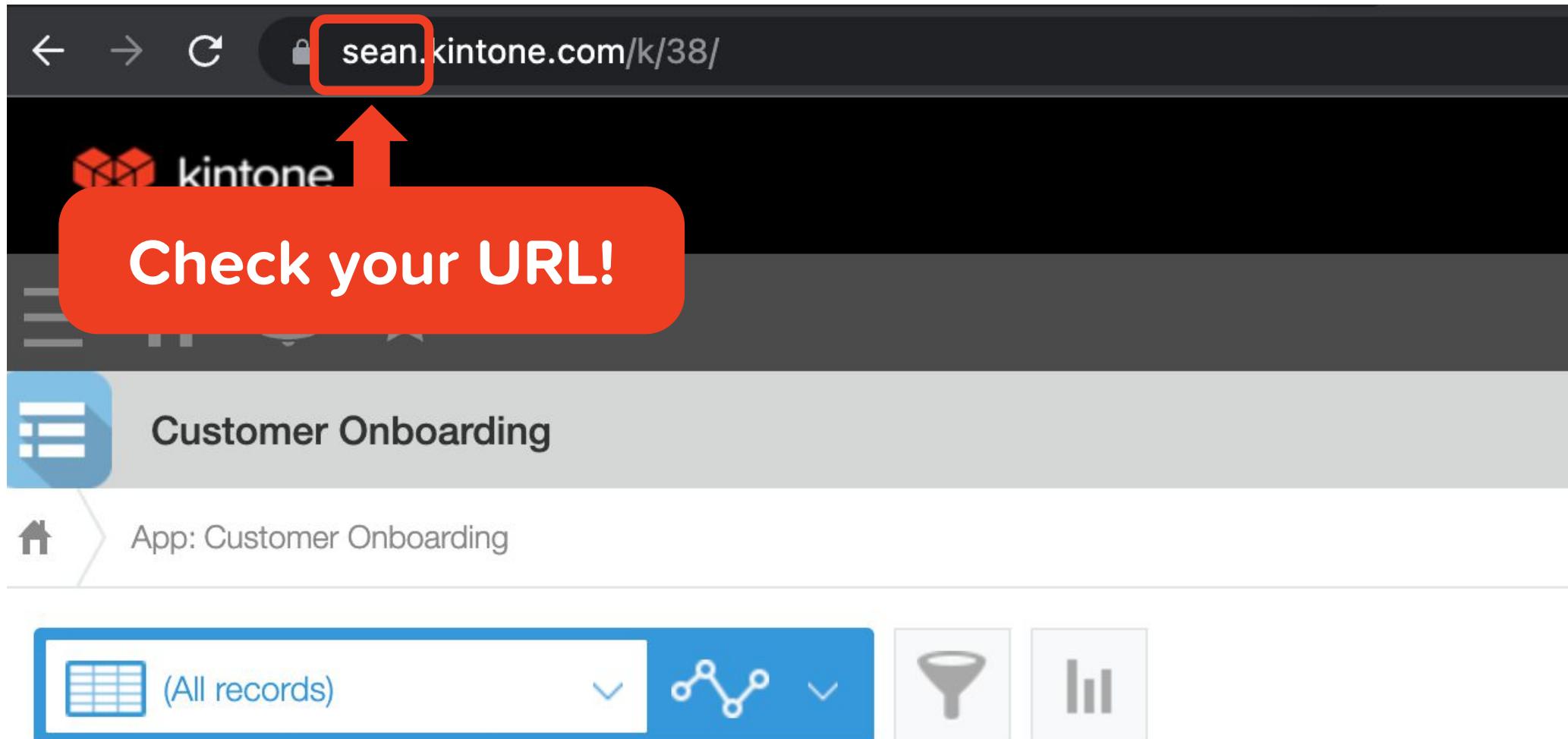
# Go inside the `.env.example` file

- `.env.example` file is used to verify that `.env` file is correctly configured
- **Duplicate** this file & name it "`.env`"

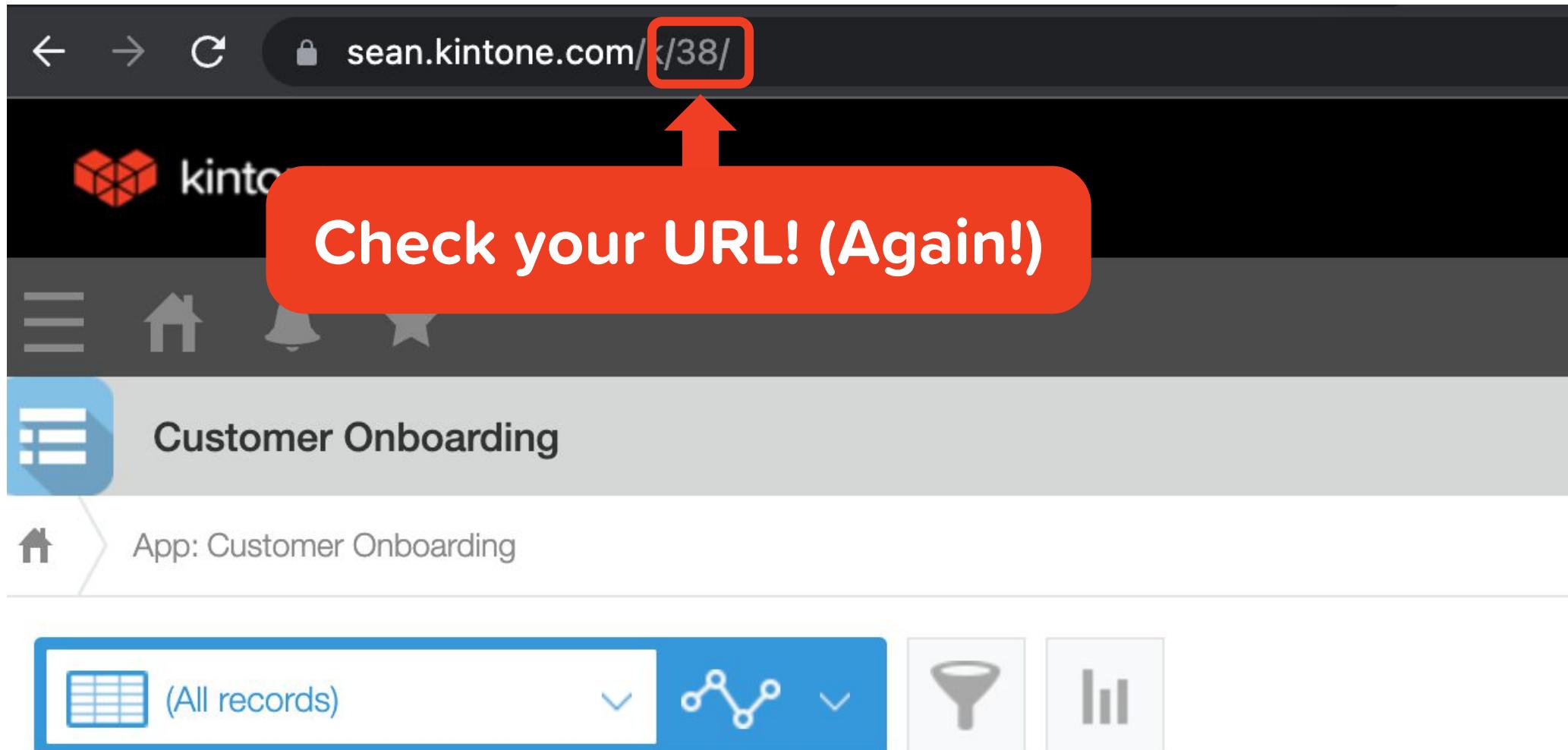


```
  
  
1 VITE_APITOKEN=abcdefghijklmnopqrstuvwxyz  
2 VITE_SUBDOMAIN=example  
3 VITE_APPID=1
```

# Where to get my Kintone Subdomain?



# Where to get my App ID?



# Where to get my API Token?

A screenshot of a web browser displaying a Kintone application at [sean.kintone.com/k/38/](https://sean.kintone.com/k/38/). The application title is "Customer Onboarding". The top navigation bar includes icons for Home, Notifications, Favorites, and Settings. A red box highlights the "Settings" icon (a gear symbol) in the top right corner of the header. An orange arrow points from a large orange button labeled "Click Settings..." towards the highlighted icon. Below the header, there is a search bar and filter controls. The main content area shows a table with columns: "Record number", "Completed", and "Percent".

Record number	Completed	Percent

# Where to get my API Token?

The screenshot shows the Kintone application interface for the "Customer Onboarding" app. The top navigation bar includes the kintone logo, user profile (sean), and search functionality. The main content area displays the app's title, creation notes, and navigation tabs: Form, Views, Graphs, and App Settings. The "App Settings" tab is highlighted with a red box and a large orange callout bubble pointing to it with the text "App Settings...". Below this, the "Customization and Integration" section is expanded, showing options like API Token, Webhooks, and Actions. The "API Token" option is also highlighted with a red box and another orange callout bubble pointing to it with the text "API Token...". Other visible sections include General Settings, Appearance, Color Theme, Process Management, Notifications, and various customization and localization options.

Customer Onboarding > Settings

Last Updated: sean 1:23 AM

Customer Onboarding

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

Form Views Graphs App Settings

Discard Changes Update App

General Settings

Appearance

Color Theme

Process Management

Notifications

Customization and Integration

Plug-ins

JavaScript and CSS Customization

API Token

Webhooks

Advanced Settings

Categories

Localization

Misc Settings

Actions

# Where to get my API Token?

The screenshot shows the Kintone API Token generation interface. At the top, there's a navigation bar with the Kintone logo, user profile, and search bar. Below it, the breadcrumb navigation shows 'Customer Onboarding > Settings > API Token'. The main area has 'Save' and 'Cancel' buttons. A red box highlights the 'Generate' button. Another red box highlights the 'Permissions' section, which includes checkboxes for 'View records', 'Add records', 'Edit records', 'Delete records', and 'Manage app'. A large orange callout bubble points to the 'Generate' button with the text 'Click Generate and...'. Another orange callout bubble points to the permissions section with the text 'Make sure to give yourself permissions!'. The table below the form contains one row with the API token value: pKwnYpZ4qnG1UNS6buNMXm6btJ3nubwJfnKcFDzz.

API Token	Permissions	Notes
pKwnYpZ4qnG1UNS6buNMXm6btJ3nubwJfnKcFDzz	<input checked="" type="checkbox"/> View records <input checked="" type="checkbox"/> Add records <input checked="" type="checkbox"/> Edit records <input type="checkbox"/> Delete records <input type="checkbox"/> Manage app	

# 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!



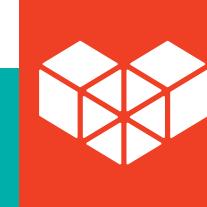
# Where Can I Get Help?

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

**Kintone Developer  
Forum**

[forum.kintone.com](https://forum.kintone.com)

The screenshot shows the Kintone developer forum homepage. At the top, there's a navigation bar with the Kintone logo, "Developer Site", "Sign Up", "Log In", a search icon, and a menu icon. Below the navigation, there are buttons for "all categories", "all tags", and "Categories" (which is highlighted in red). There are also links for "Latest" and "Top". The main content area has a table with four columns: "Category", "Topics", "Latest", and another "Latest" column. The categories listed are "Announcements" (5 topics), "General" (422 topics), "Site Feedback" (0 topics), and "Job Listing" (1 topic). Each category has a brief description below it. To the right of the categories, there are several forum posts. The first post is titled "Onboard Users Like a Wizard with Shepherd.JS – React Basics Tutorial Workshop" by a user with a profile picture of a person in front of the Golden Gate Bridge. It has 1 reply and was posted on Jul 22. The second post is "Welcome to Discourse" by a user with a profile picture of a cat, dated Apr 15. The third post is "Scanning" for fields in an App? by a user with a profile picture of a dog, dated 4d ago. The fourth post is "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](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, React x Kintone



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

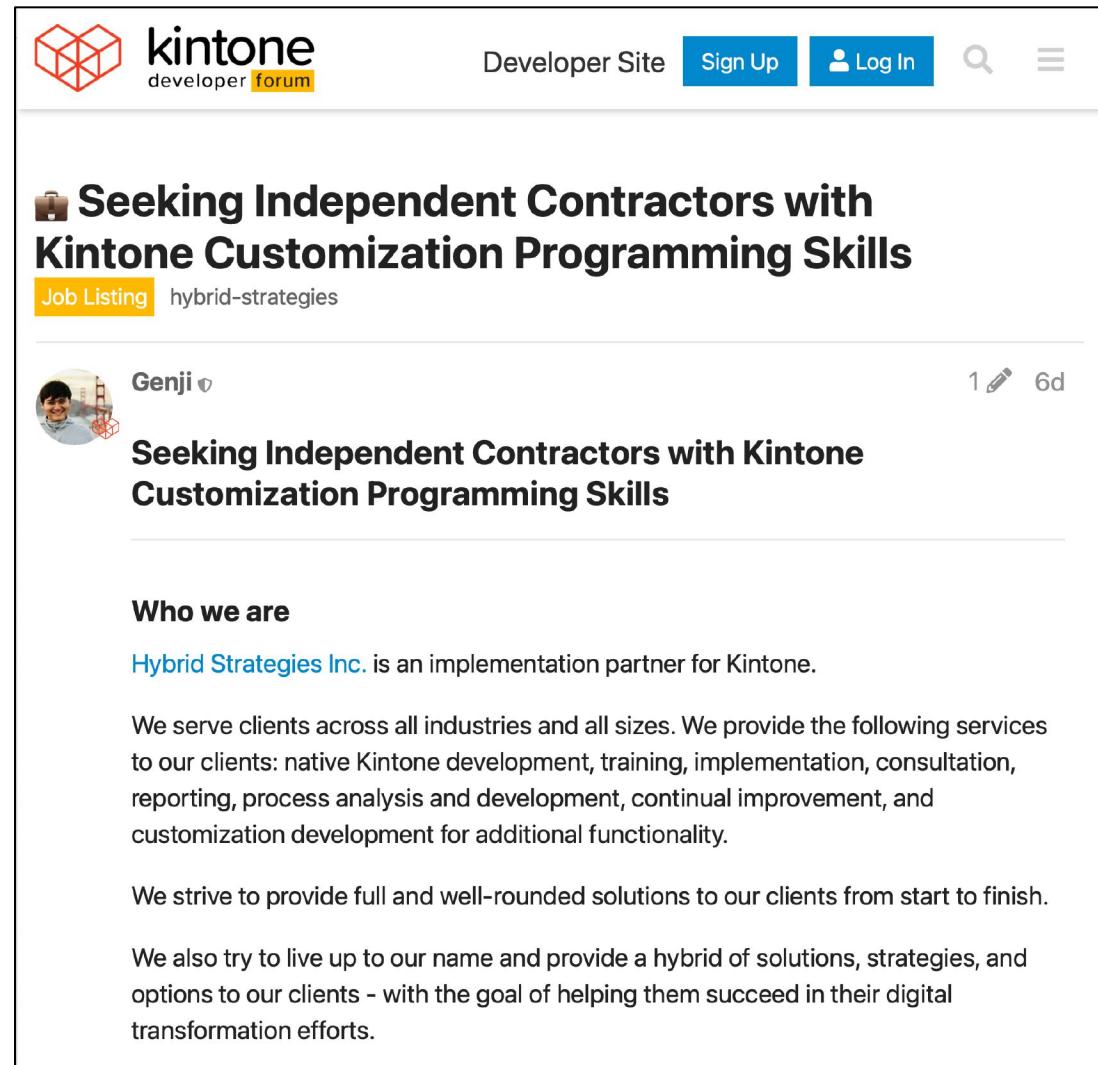
# Want a Job?

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/](https://forum.kintone.dev/c/job-listing/)



The screenshot shows a job listing on the kintone developer forum. The header features the kintone logo and navigation links for 'Developer Site', 'Sign Up', 'Log In', and search functions. The main post is titled 'Seeking Independent Contractors with Kintone Customization Programming Skills' and is categorized under 'Job Listing' and 'hybrid-strategies'. It was posted by a user named 'Genji' 6 days ago. The post content reiterates the job title and includes a section titled 'Who we are' describing Hybrid Strategies Inc. as an implementation partner for Kintone. It highlights services like native Kintone development, training, implementation, consultation, reporting, process analysis, and customization development. The text concludes with statements about providing full solutions and living up to their hybrid name.

**Seeking Independent Contractors with Kintone Customization Programming Skills**

Job Listing hybrid-strategies

Genji 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!**



**[bit.ly/KDP22OCT](https://bit.ly/KDP22OCT)**