



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

Kintone developer program

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!

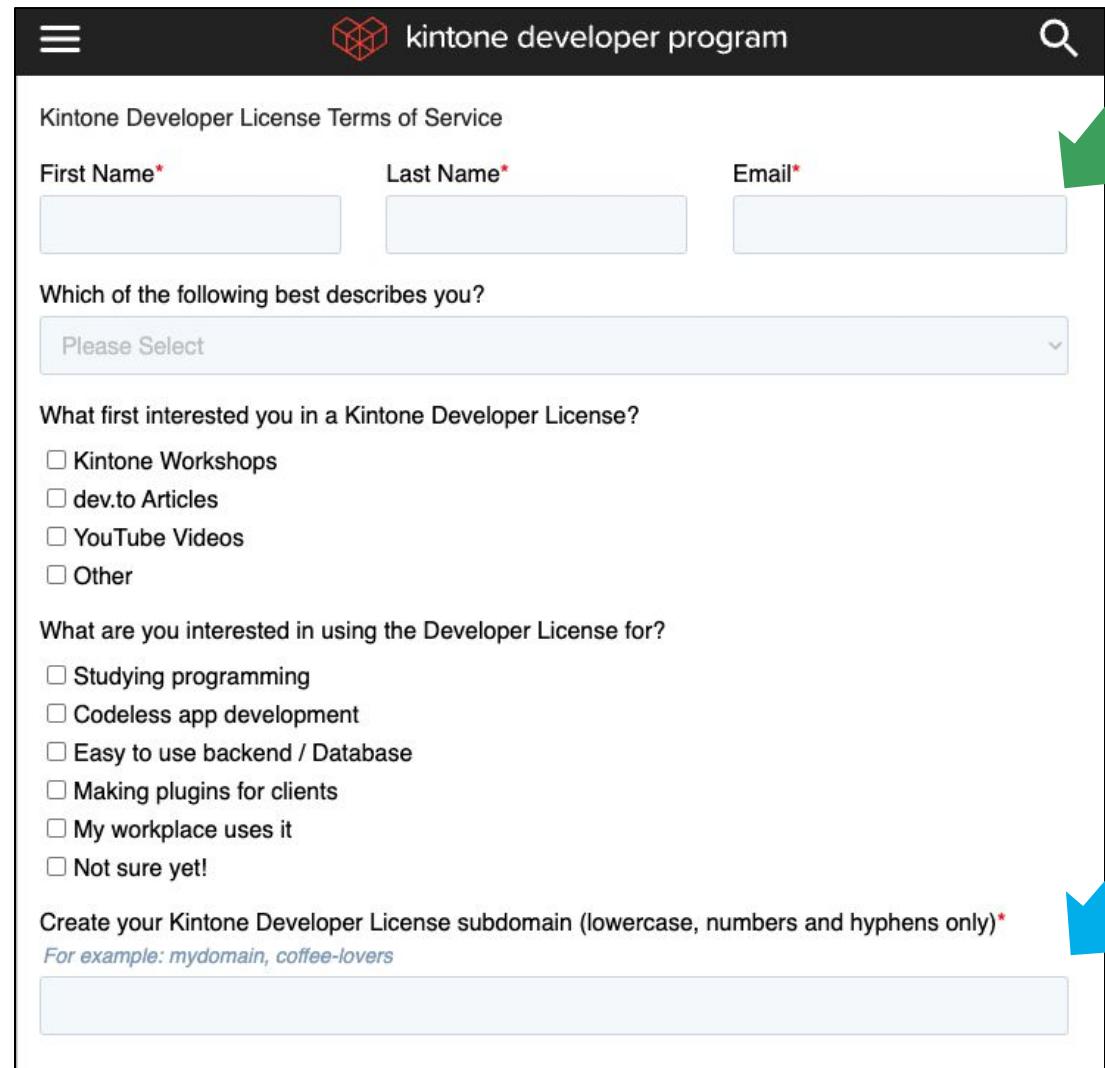
Create your Kintone Developer License subdomain (lowercase, numbers and hyphens only)*
For example: mydomain, coffee-lovers



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*

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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, there's a message input field with placeholder text "Type message here...". Above the input field, a setting bar shows "Who can see your messages? Recording On" and "To: Everyone". There are also icons for a file, a smiley face, and more options.



Hello From Kintone

Sean



Genji



Jesslyn

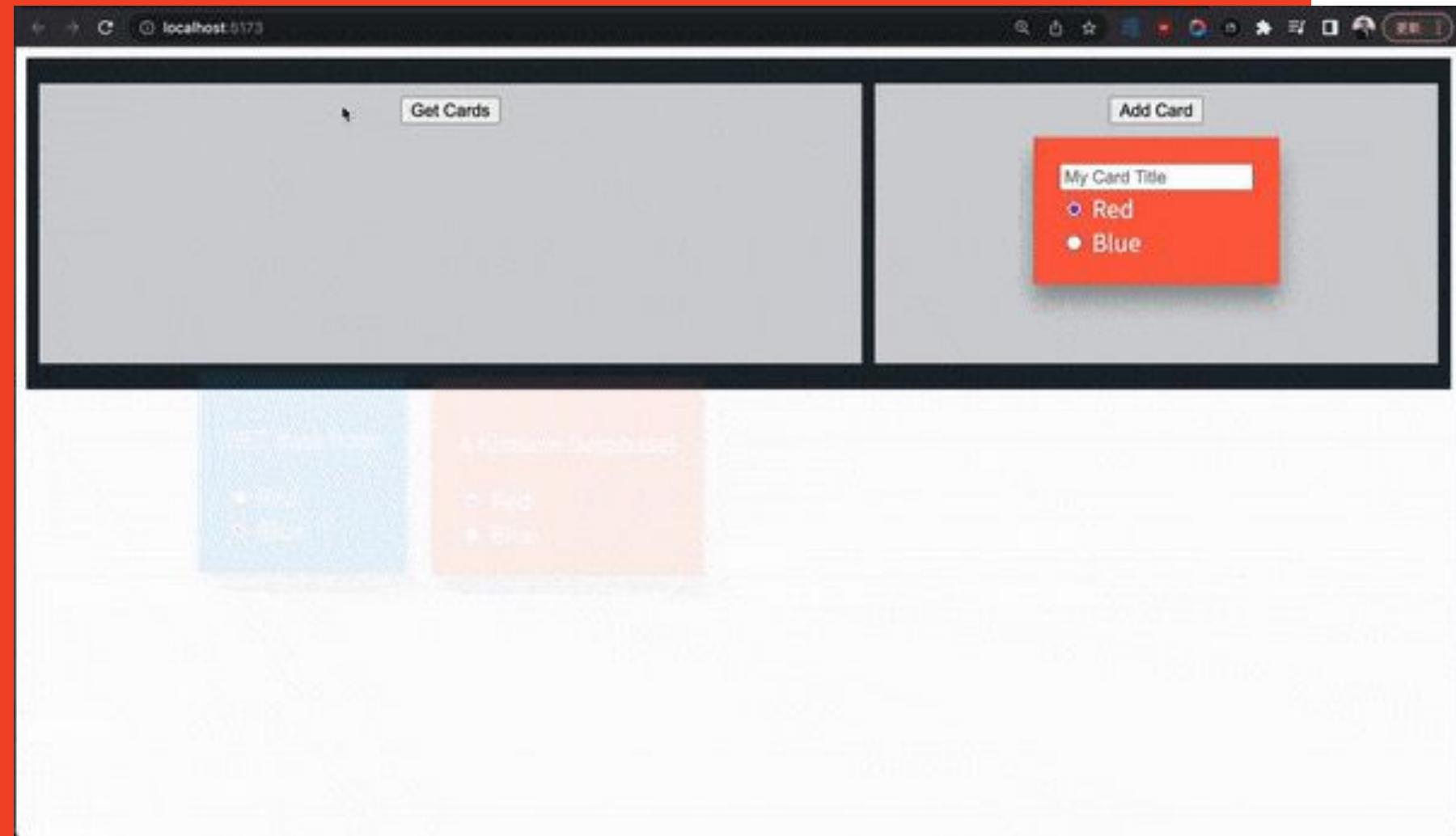


LEARN TO CODE JAVASCRIPT



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

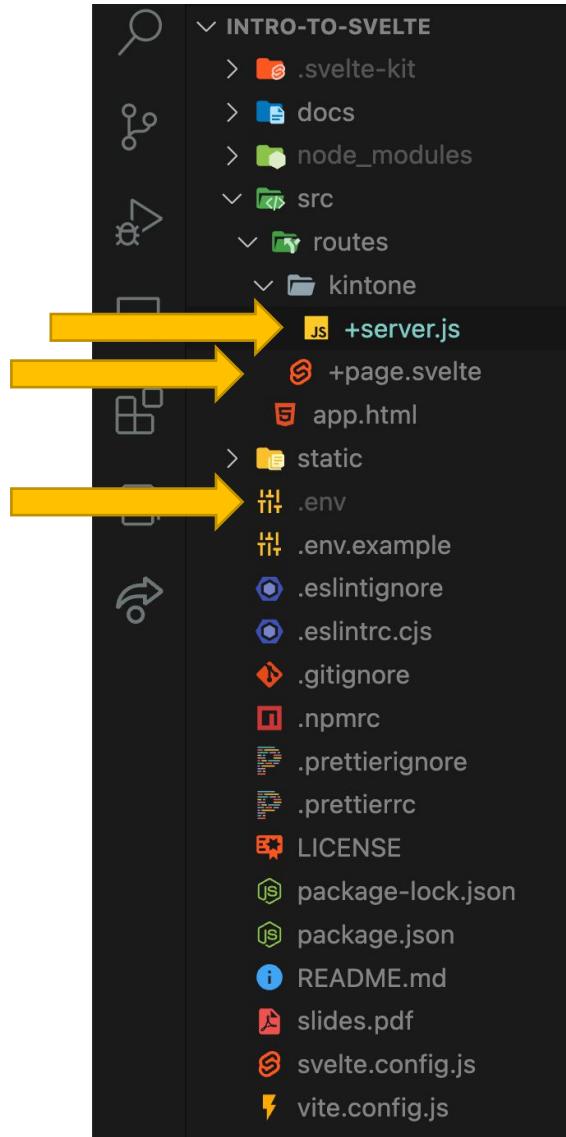
Extras!

Try deploying the App?

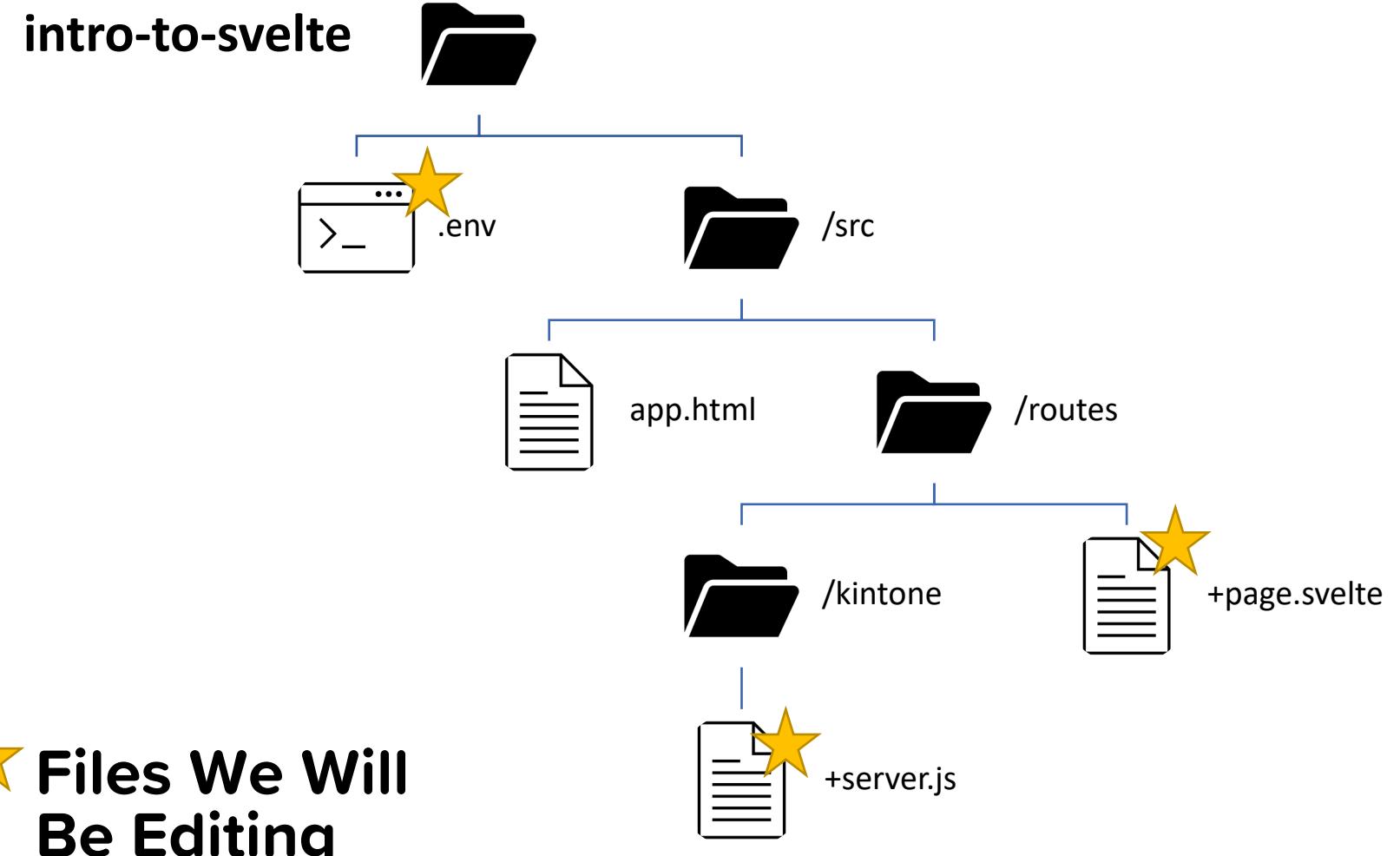
Refactor the codebase?

We'll see!

Overview of the Repo



intro-to-svelte



★ 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!

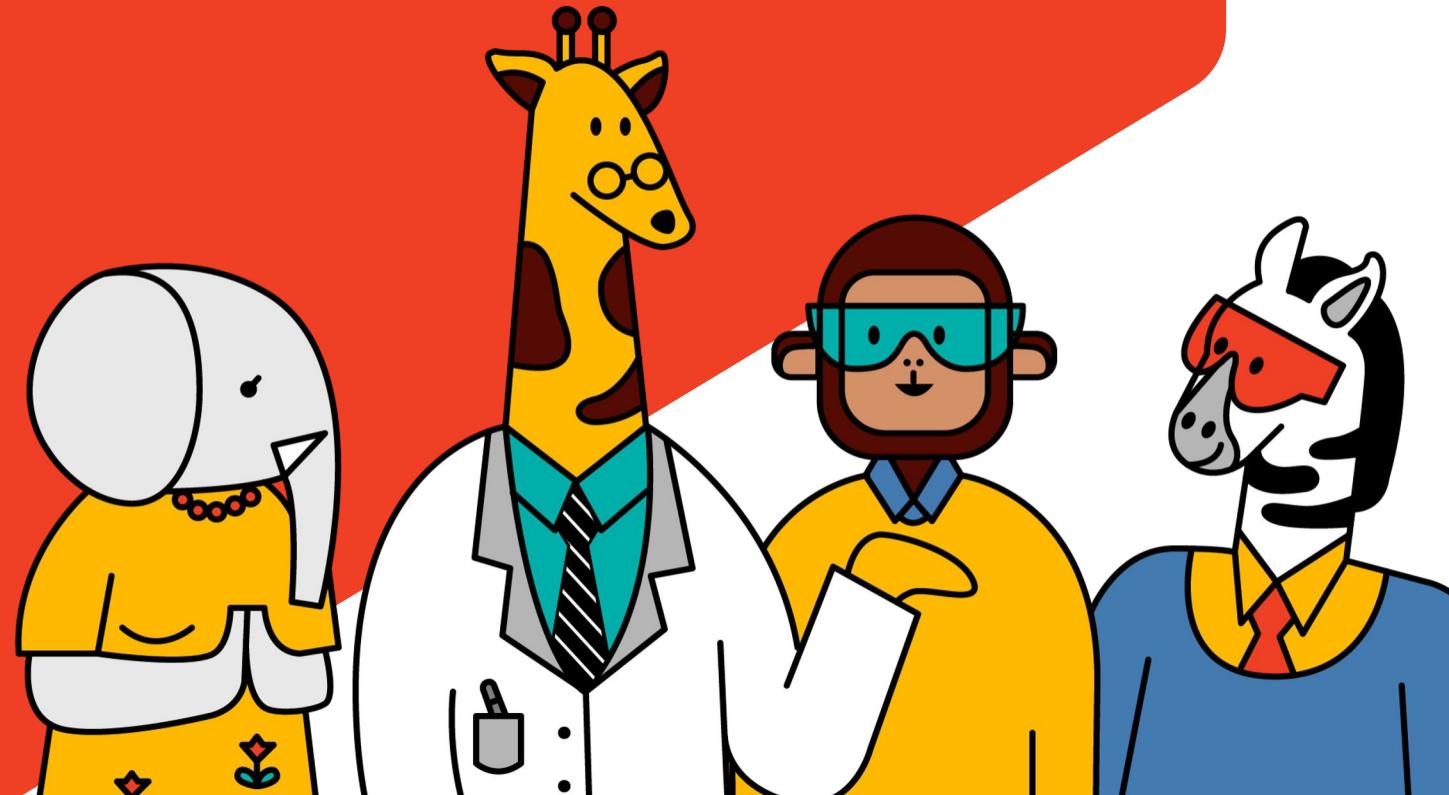
- Svelte lets developers "separate concerns"
- Helps keep the codebase organized.
- JS, HTML, & CSS are all in one file!

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:

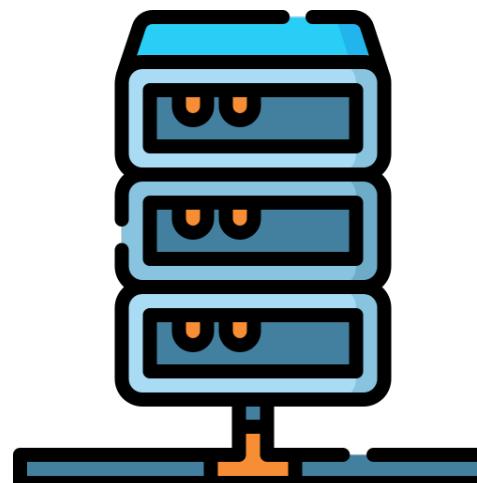
- Announcement:** A green header bar with the word "Sales".
- Customer Database:** Shows three cards: "Customer Database" (Admin:Green), "Sales Leads" (Admin:Green), and "Contact Log" (Admin:Green).
- Dashboard:** Contains two charts: a bar chart for "Sales Leads: Monthly Expected Sales (per priority)" 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, Product List, Invoices, Seminar Survey, Attendee Lists, Event Calendar, Activity Log, Sales Leads, and 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.

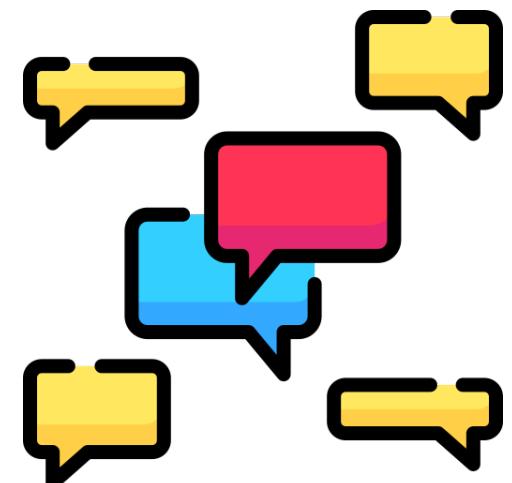
Where Kintone is Special!



kintone



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



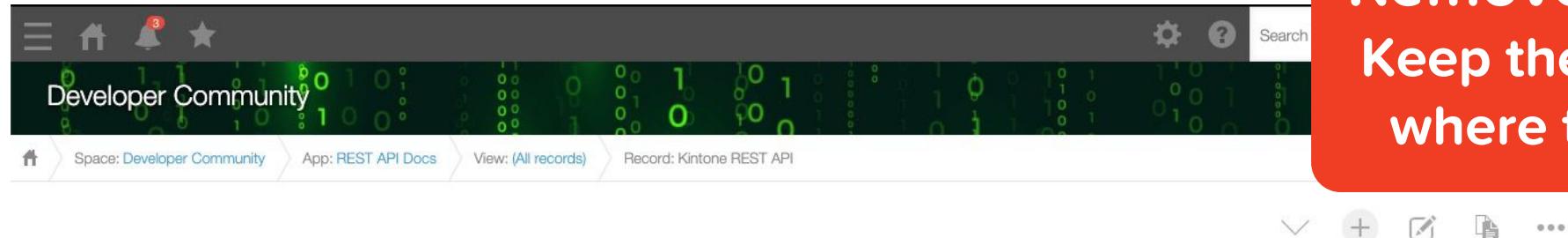
Missing - Unified Communication

Data Silos

Information is not being
shared effectively

Scattered Communication
Unclear where the
conversation is happening

What is Possible?



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

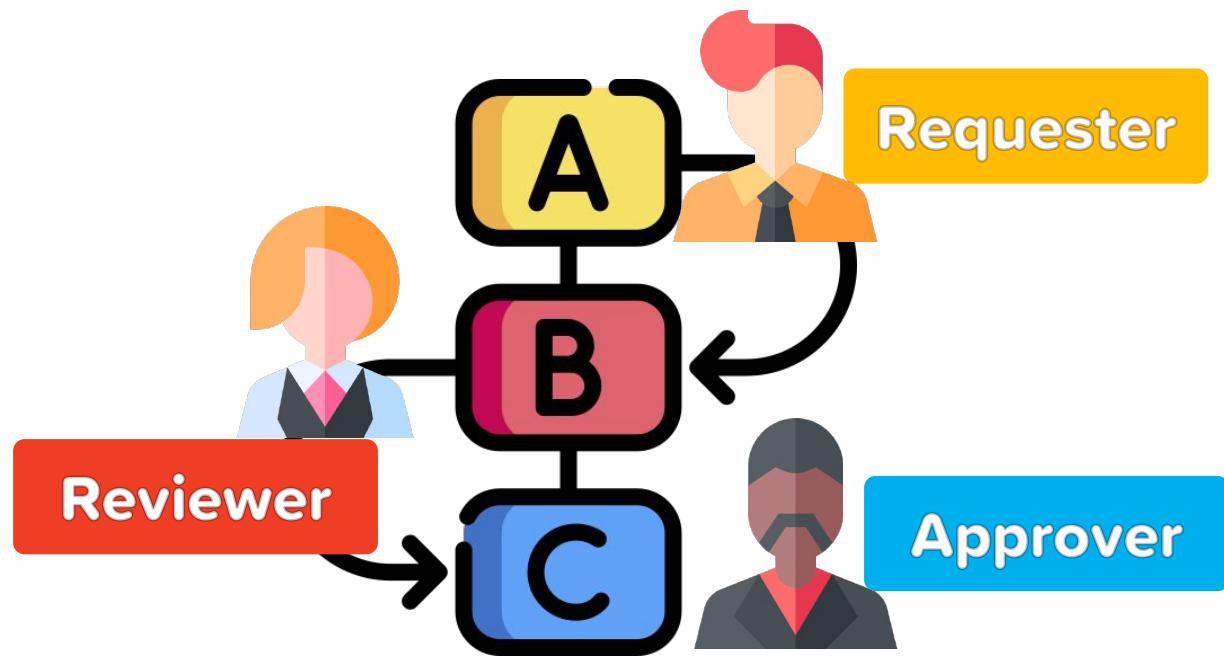
1: Genji Aug 27, 2020 1:27 AM
@Clare - Support Please take a look at this document.

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

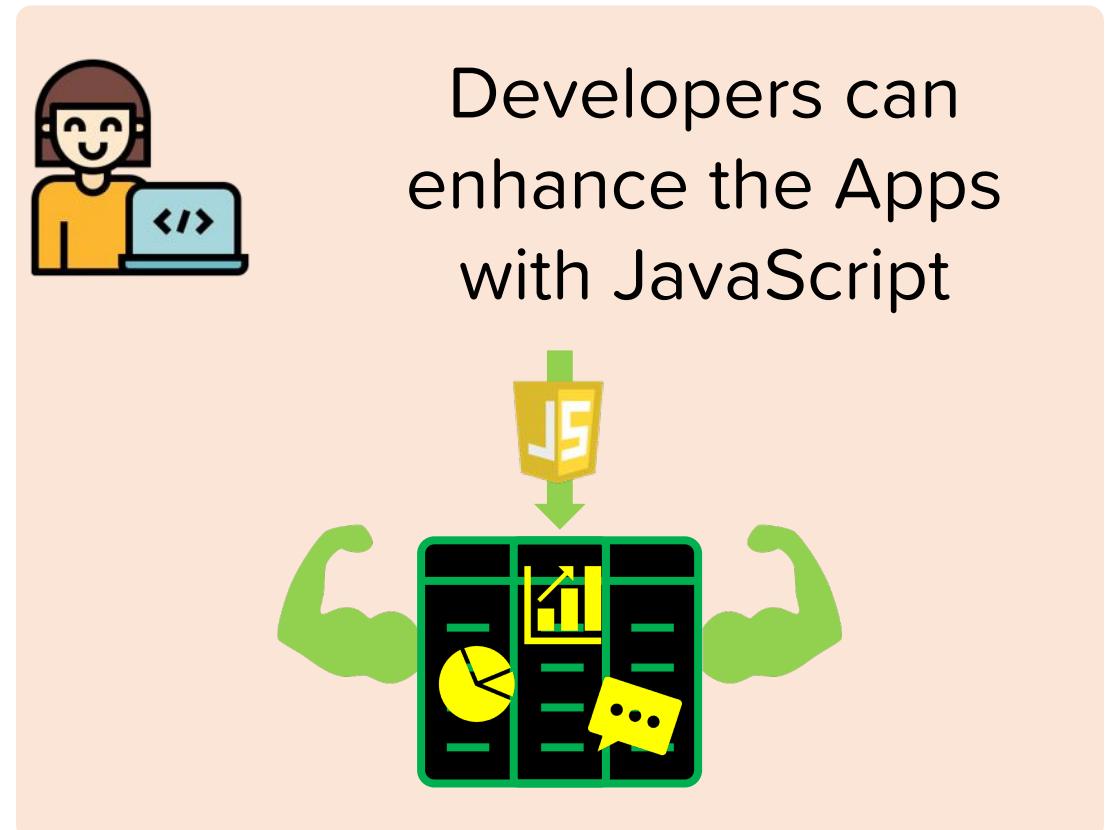
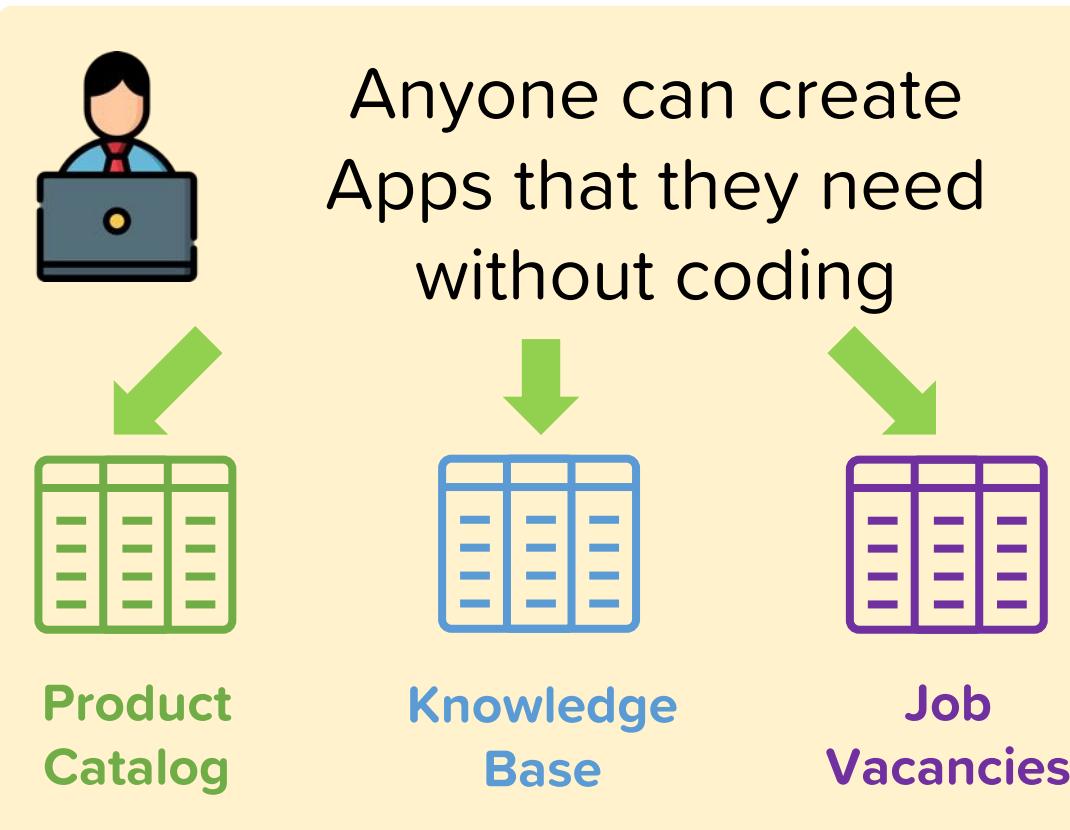
Discard Changes Update App

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

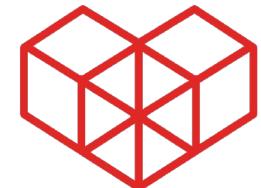
Apps are extensively **customizable** with client-side **JavaScript**.

Everyone Contributes!

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



How Developers Contribute

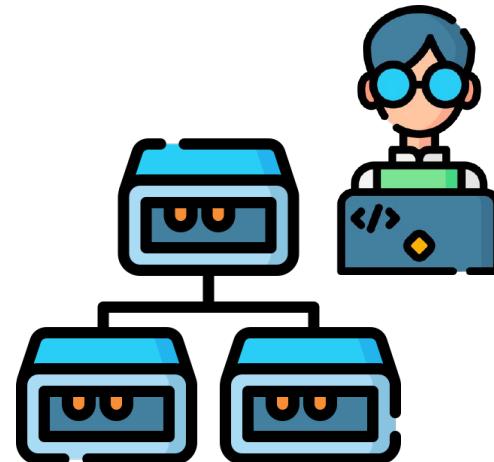


kintone
developer program

How Developers Contribute

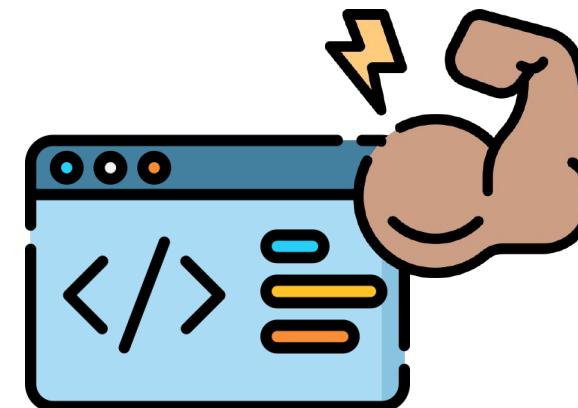
Command Center

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



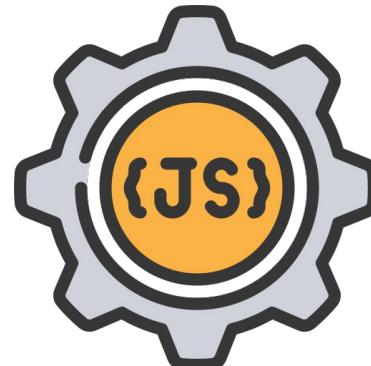
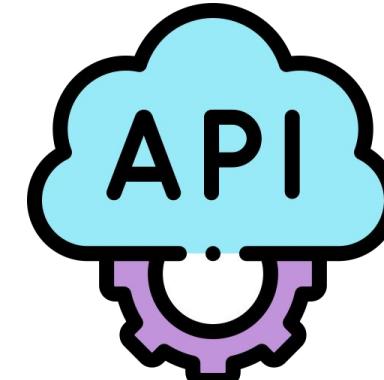
Enhancements

- Develop JavaScript customizations
- Build & share extensions



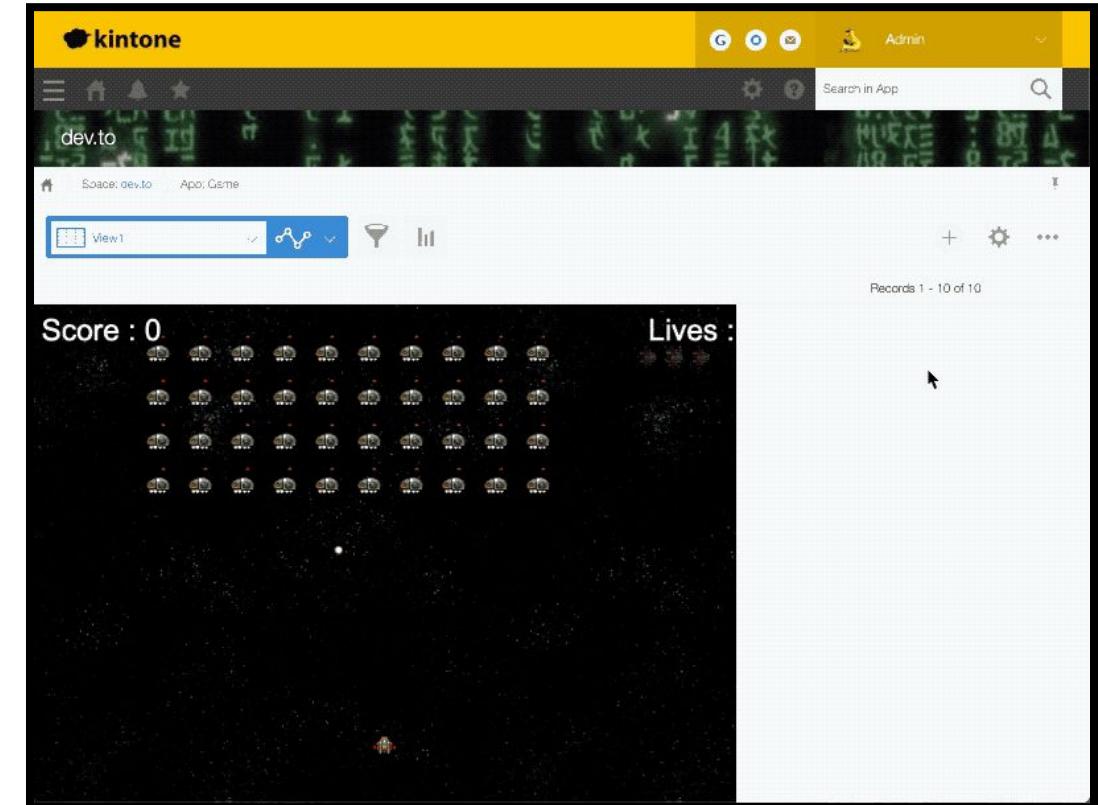
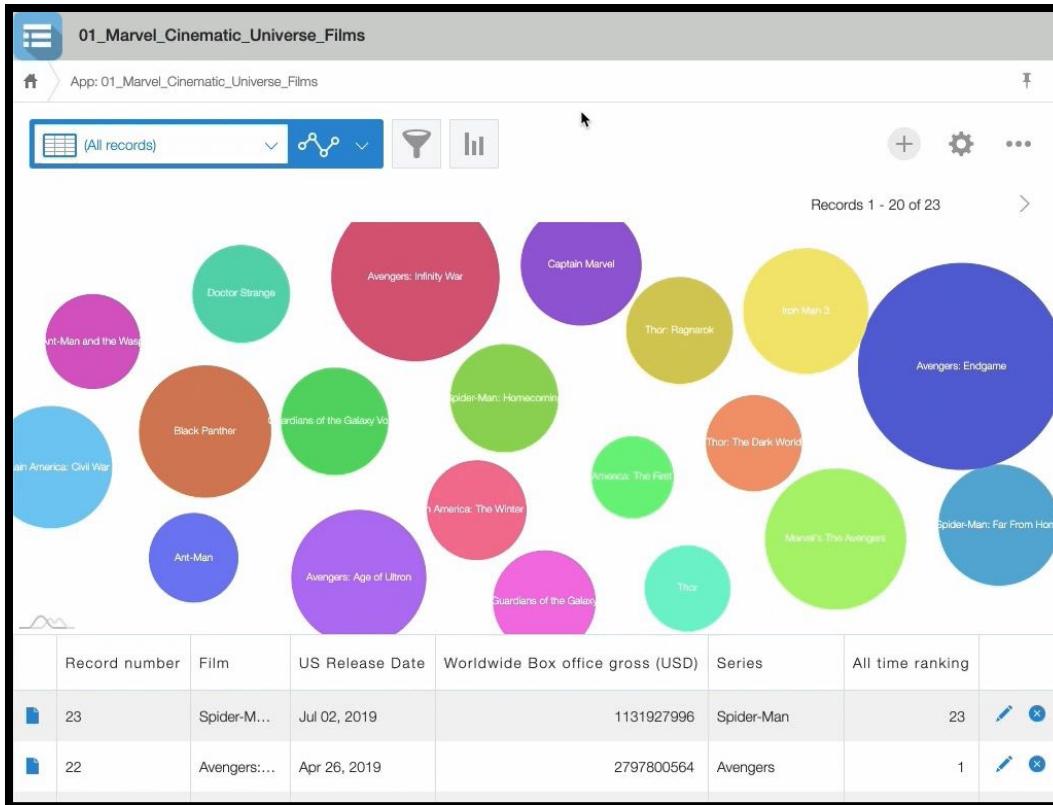
Tools Inside Kintone

- 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



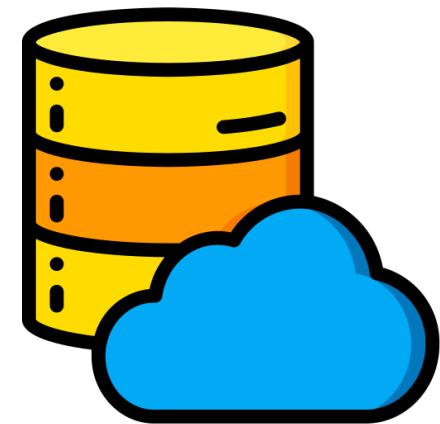
Consult with firms
on achieving
business goals



Develop Kintone
customizations for
customers

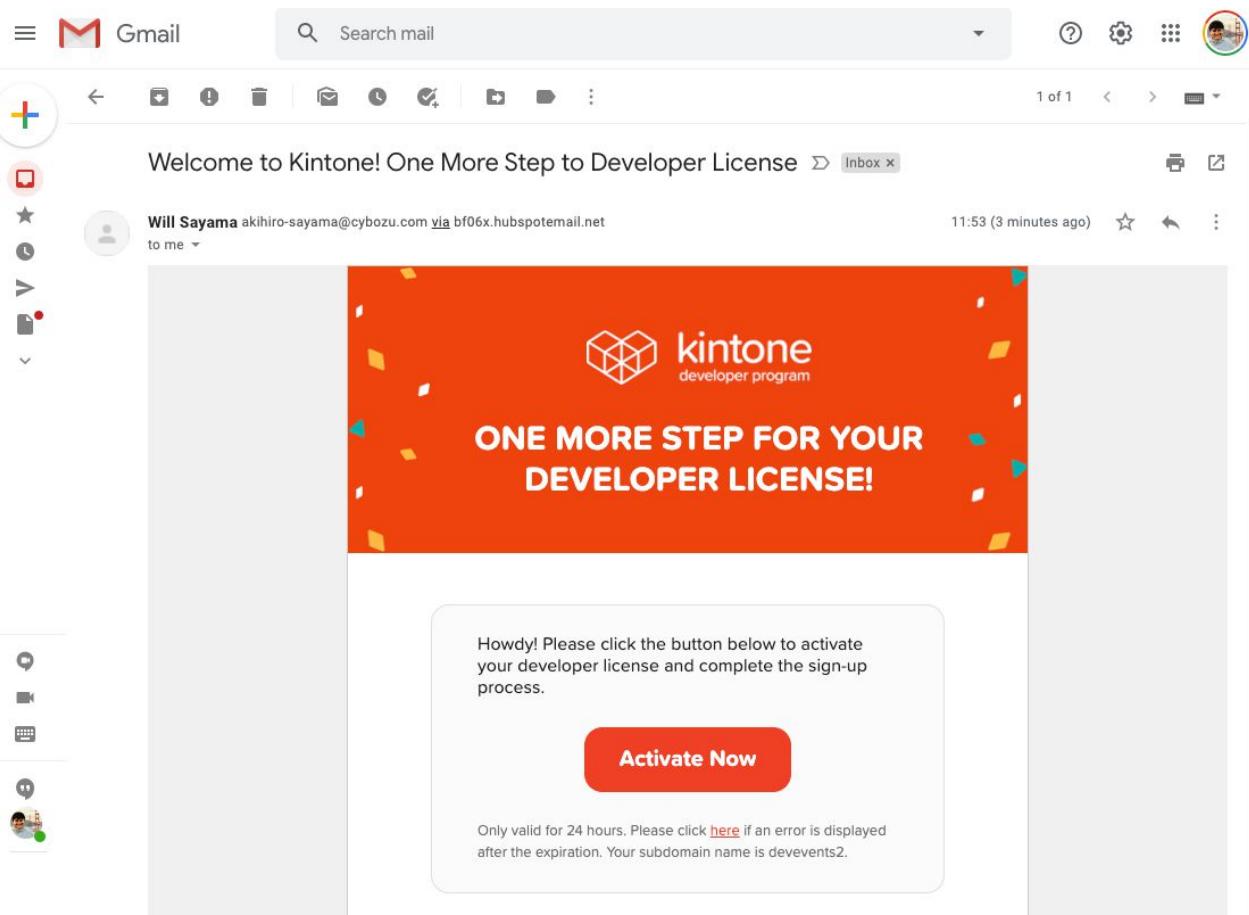
Let's Create a Kintone Database App

Step-By-Step Guide

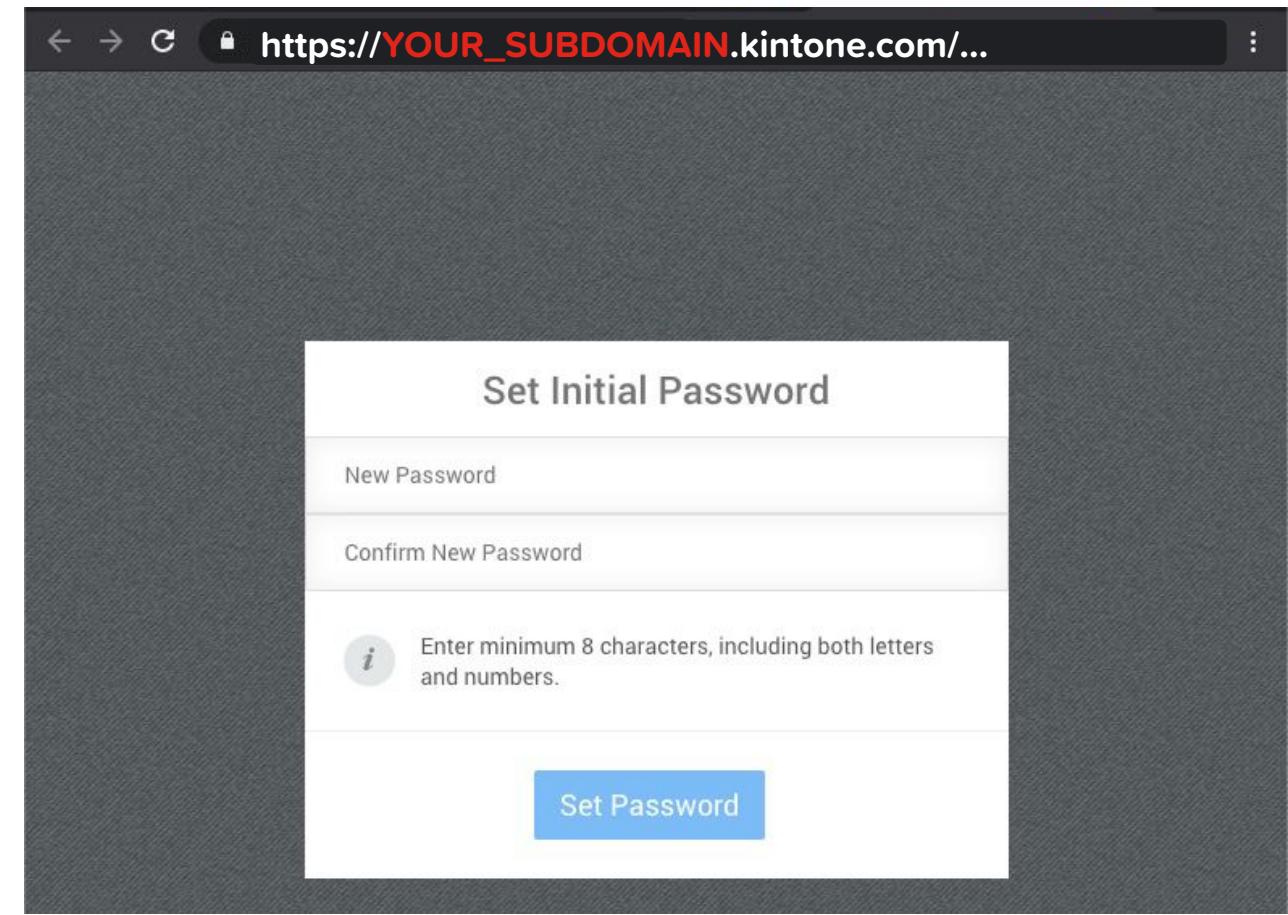


Check Your Email

Welcome to Kintone! One More Step To...



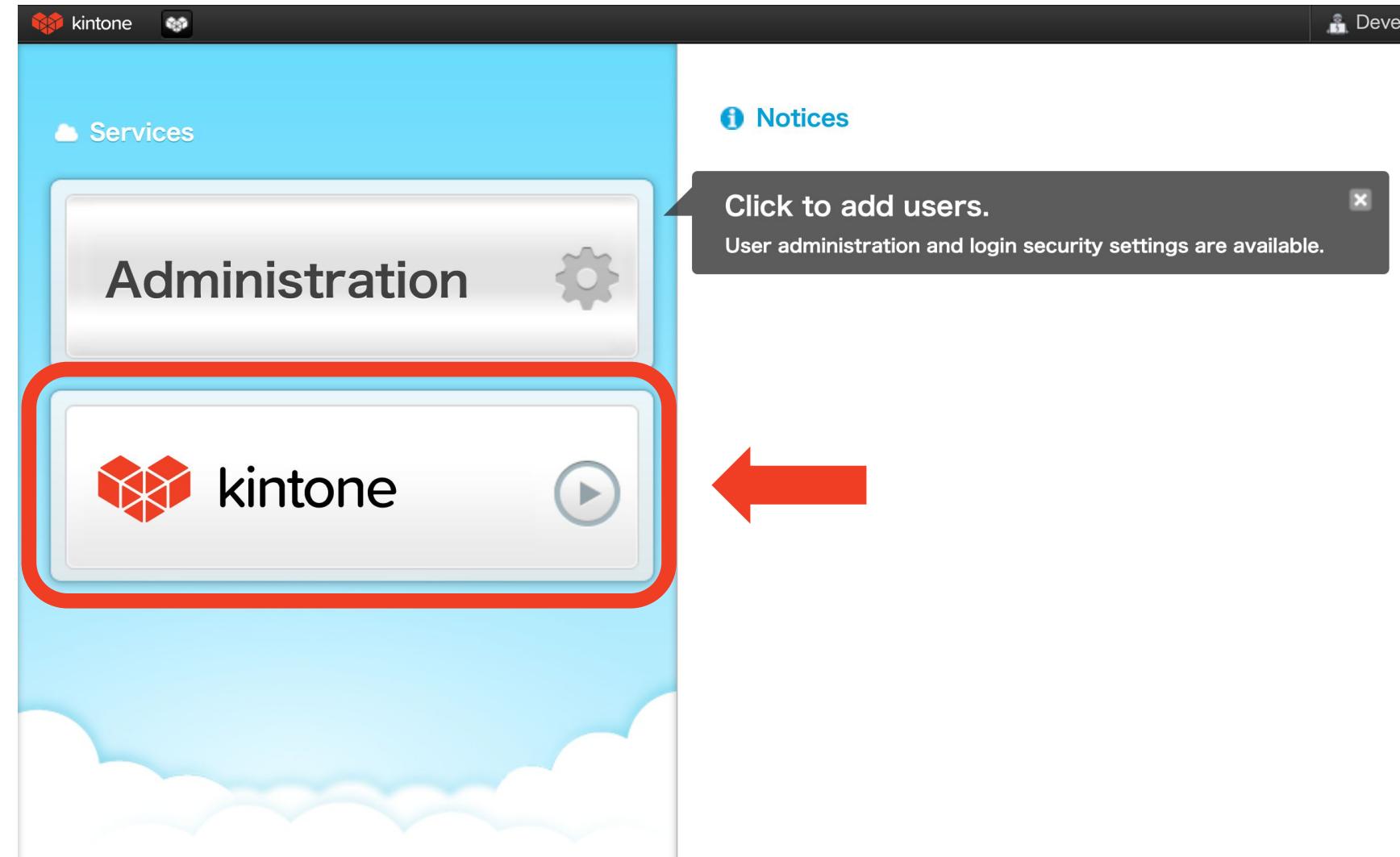
YOUR_SUBDOMAIN.kintone.com



Let's Log into Kintone

Click on Kintone button on the Left side

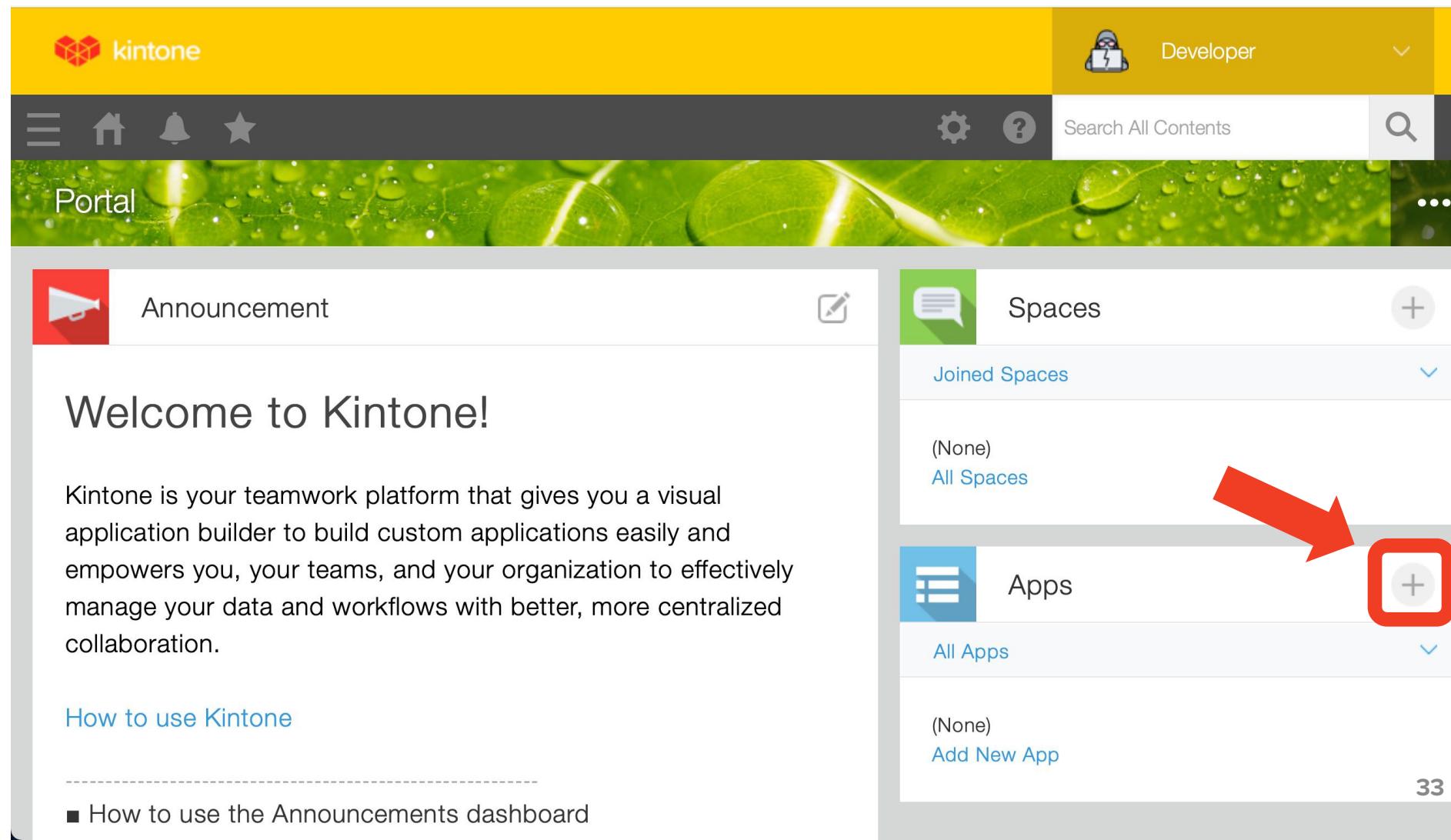
The email has the initial registration link & subdomain



Create a Kintone Database App

From the Portal screen

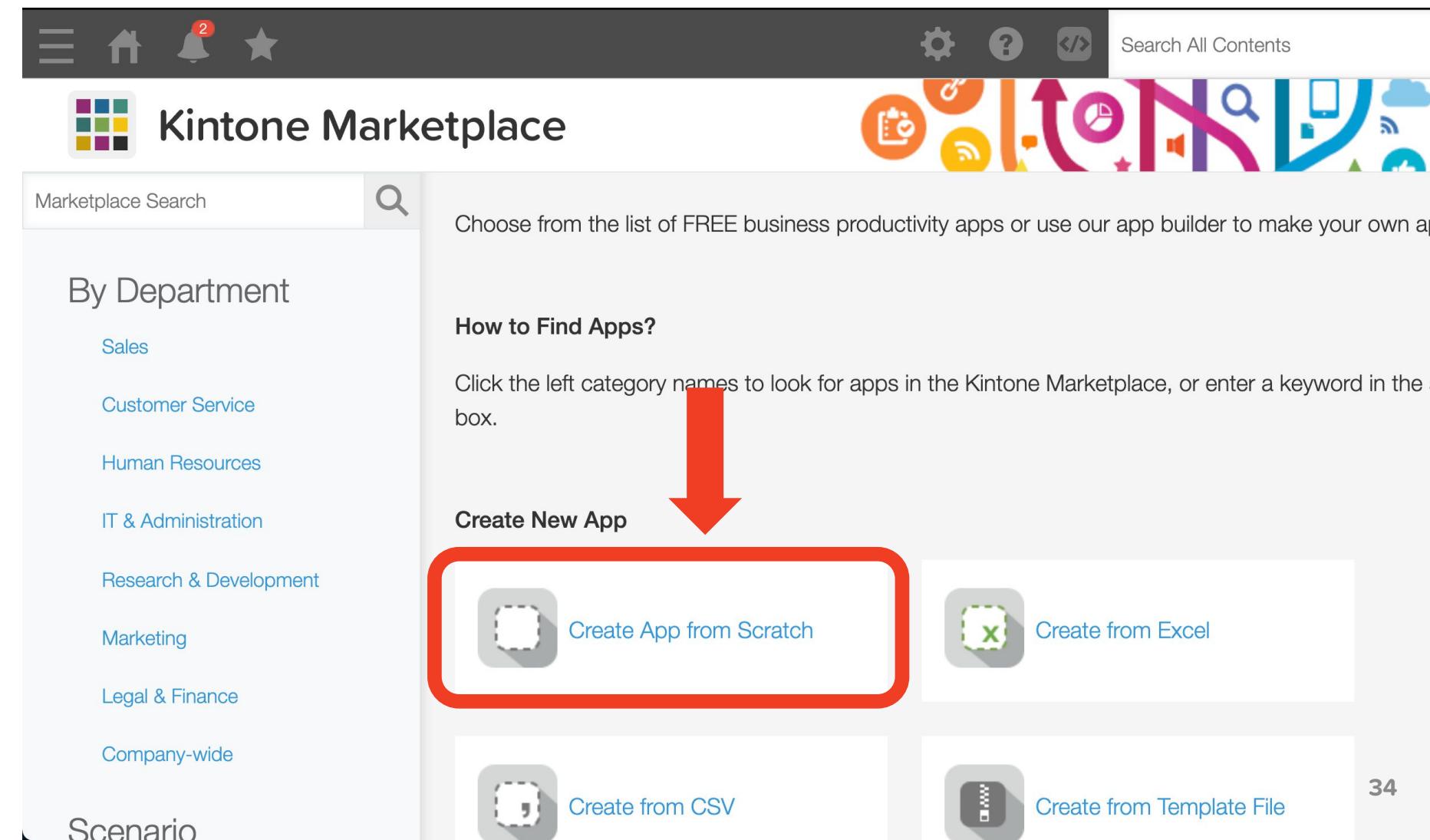
Click the **[+]** button on the Right side



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

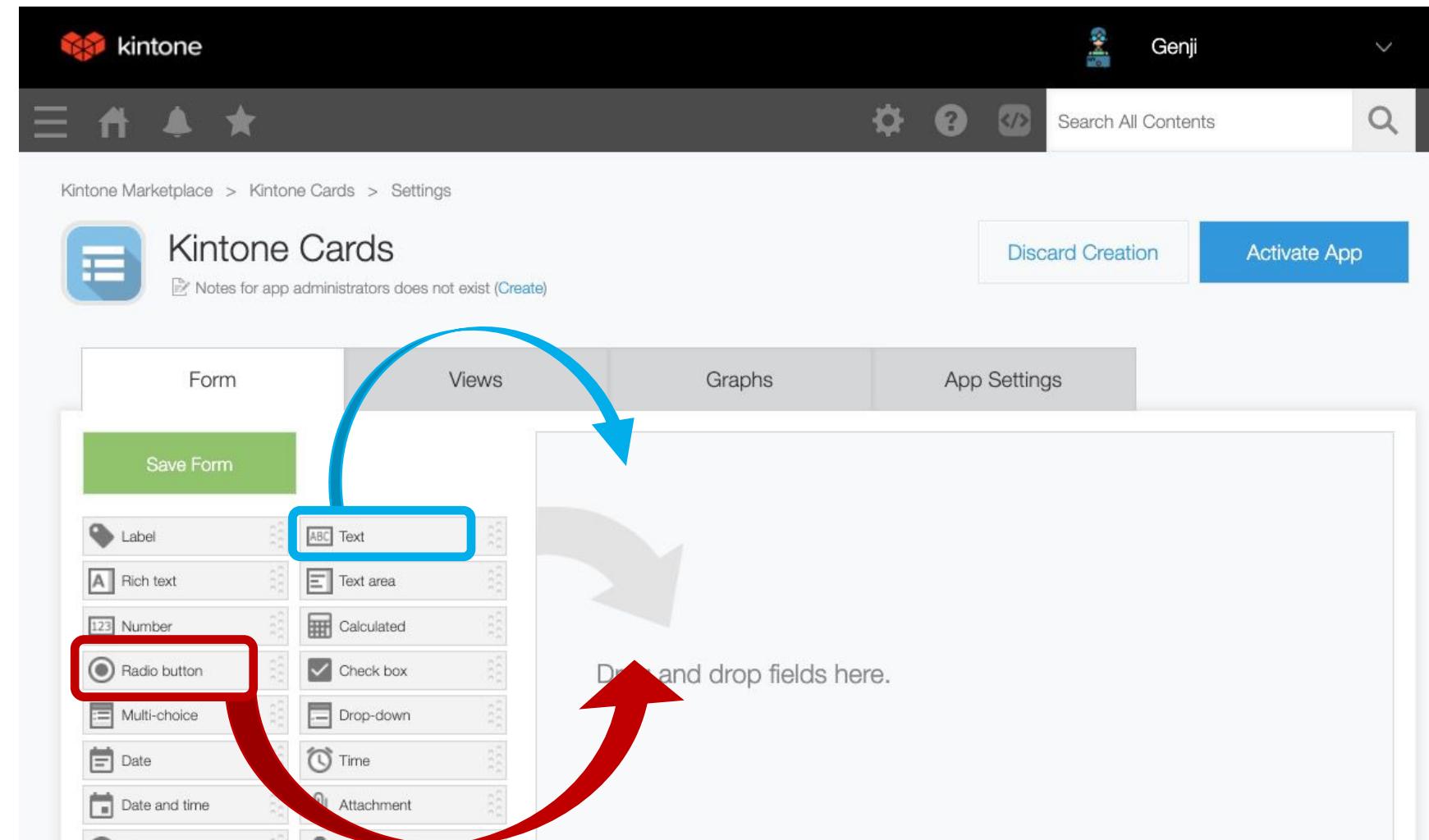
We will input
"Kintone Cards"

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, Bell, and Star. The main area has a breadcrumb path: 'Kintone Marketplace > New App > Settings'. A blue button labeled 'New App' is highlighted. Below it, a note says 'Notes for app administrators: This app does not exist (Create)'. A red arrow points to this note. The interface includes tabs for 'Form', 'Views' (which is selected), 'Graphs', and 'App Settings'. On the left, a green button says 'Save Form'. Below it is 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

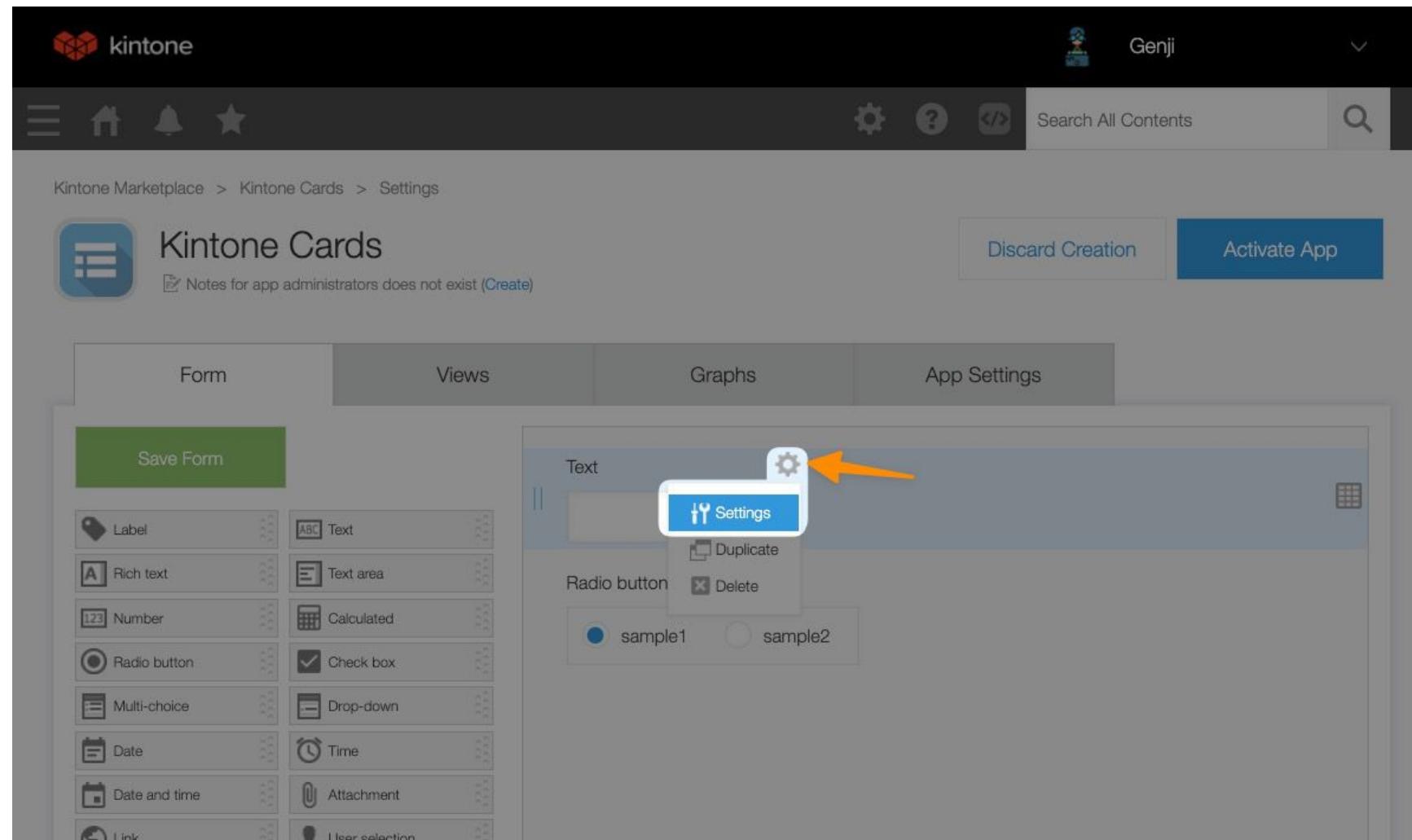
- **Text**
- **Radio Button**



Configure Fields

Let's configure the Text field!

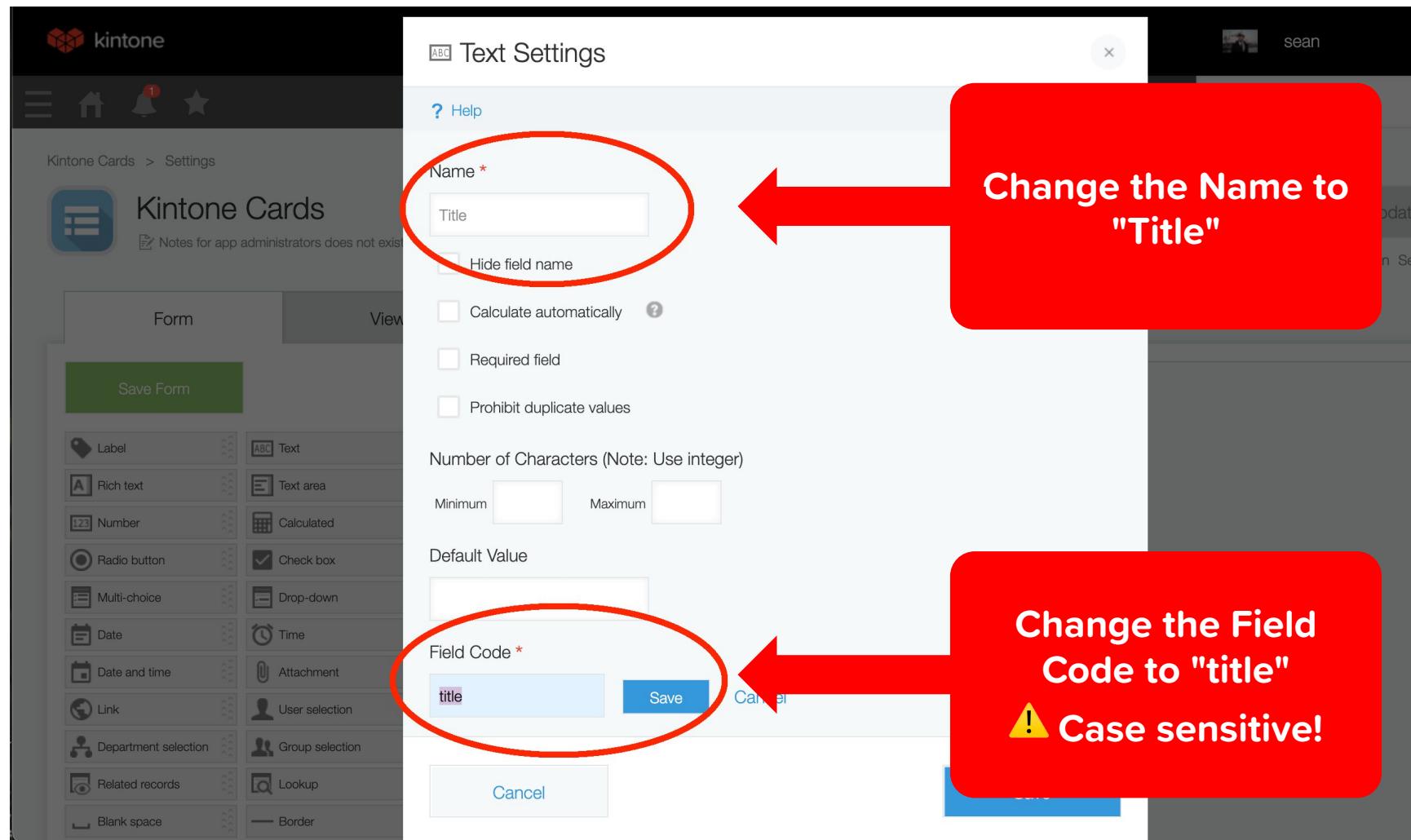
Click on the **Gear**, then the **Settings** option.



Inside the Text Field Settings

For the Text field,

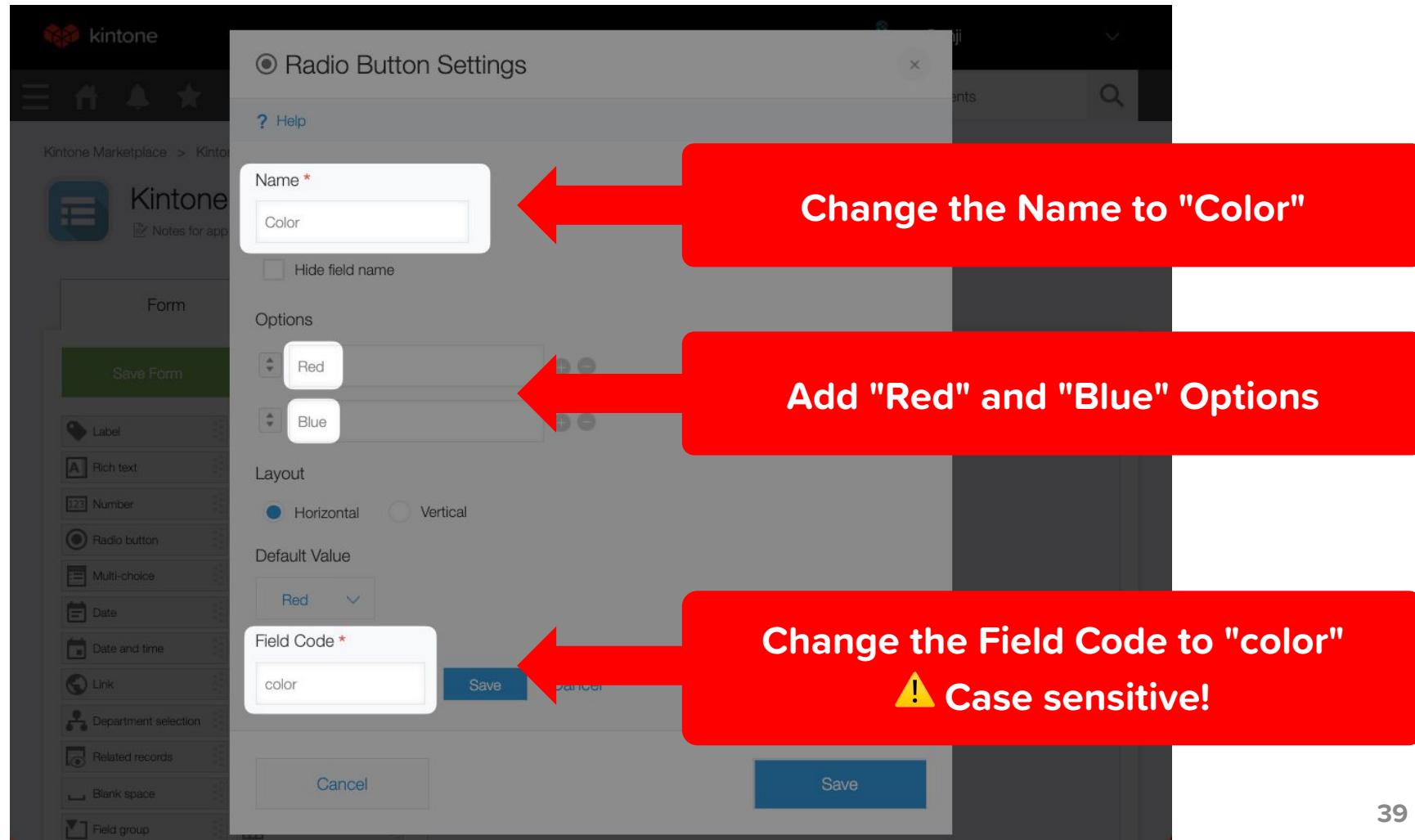
- Edit the **Name**
- Edit the **Field Code**



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

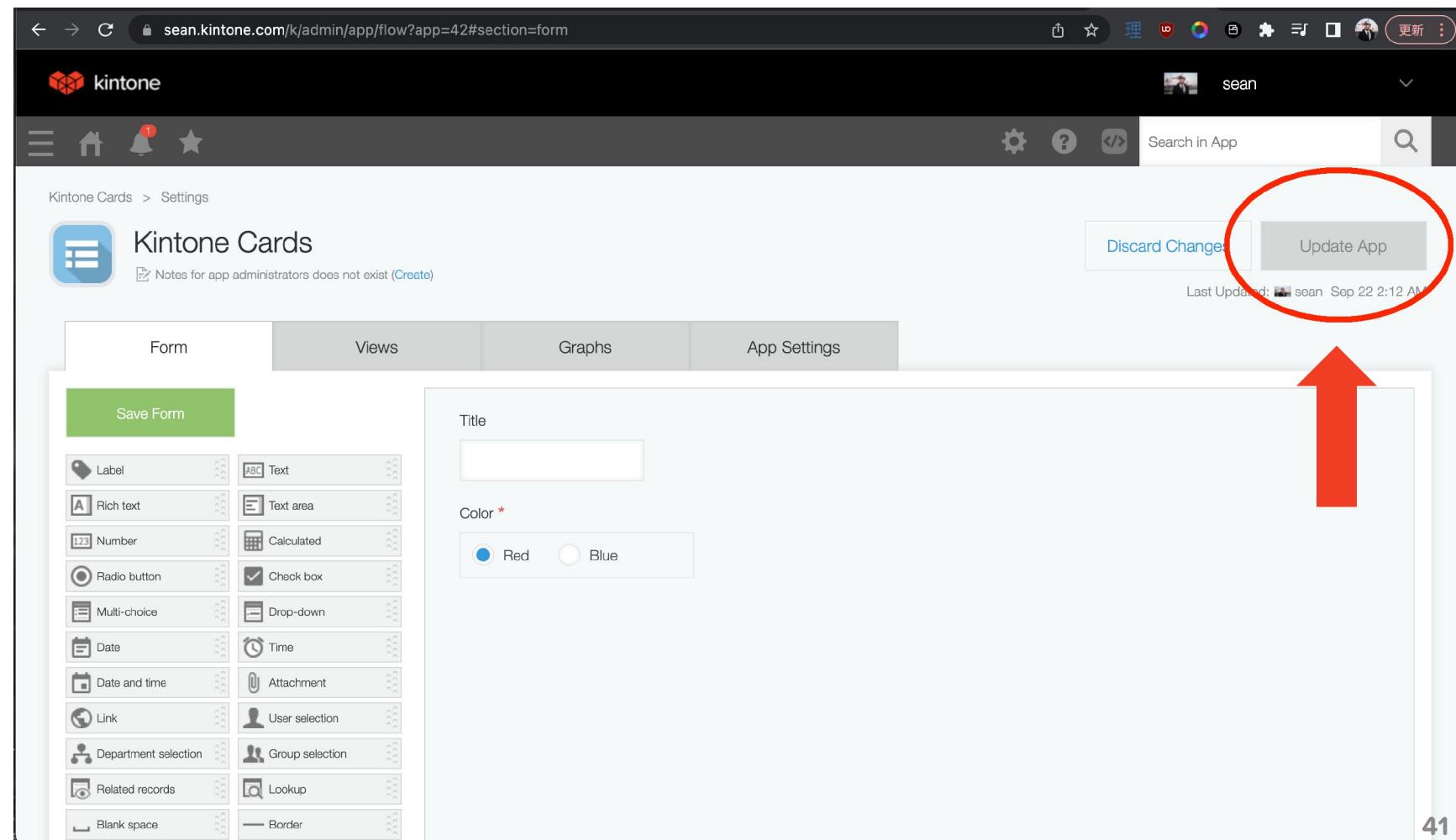
Set the fields'

- 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 tabs for 'Form', 'Views', 'Graphs', and 'App Settings', with 'Form' being the active tab. On the left, a sidebar lists various field types with icons: Label, Rich text, Number, Radio button, Multi-choice, Date, Date and time, Link, Department selection, Related records, and Blank space. To the right of the sidebar, under the 'Form' tab, there are input fields for 'Title' (empty) 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!

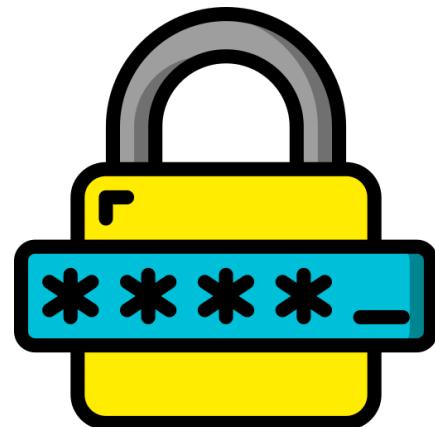


Connect Kintone to the Project

1. Kintone Subdomain

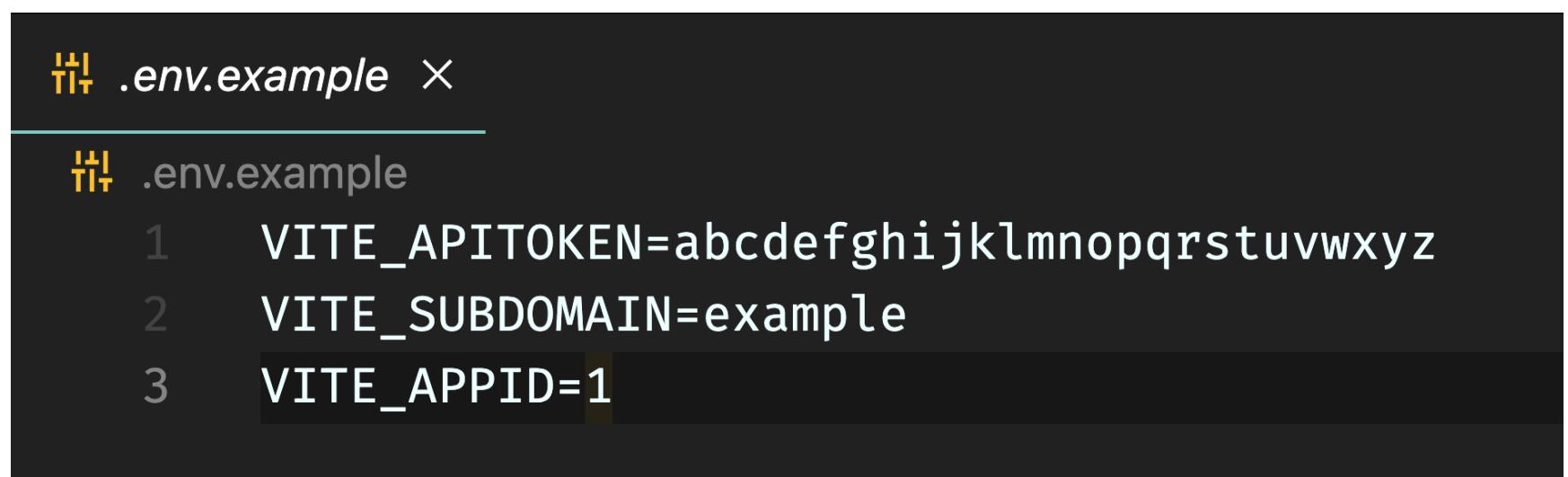
2. App ID

3. API Token



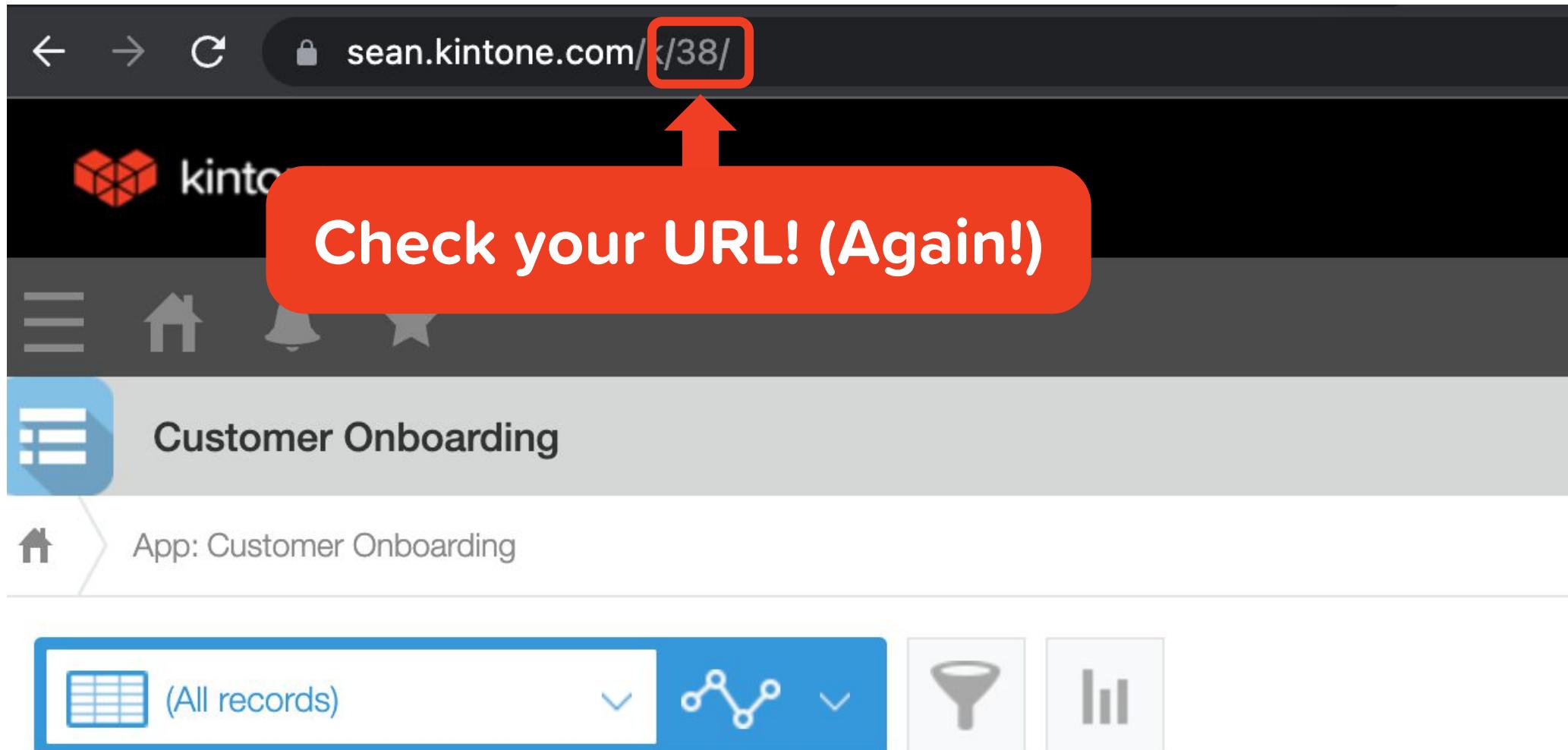
Go inside the `.env.example` file

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



```
  


# 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 settings 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 "Customer Onboarding" page with tabs for Form, Views, Graphs, and App Settings. A red box highlights the "App Settings" tab. A large orange callout bubble points to it with the text "App Settings...". Below this, under "Customization and Integration", the "API Token" section is highlighted with a red box and another orange callout bubble pointing to it with the text "API Token...". The "API Token" section contains links for "Webhooks", "Actions", and "Misc Settings".

Customer Onboarding > Settings

Last Updated: sean 1:23 AM

Discard Changes    Update App

Form    Views    Graphs    App Settings

General Settings    Customization and Integration    Advanced Settings

Appearance    Plug-ins    Categories

Color Theme    JavaScript and CSS Customization    Localization

Process Management    API Token    Misc Settings

Notifications

# 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'. A 'Save' button is visible on the left.

The main area is titled 'API Token' with a 'Help' link. It contains instructions about managing authentication and creating tokens. An example token is shown: `pKwnYpZ4qnG1UNS6buNMXm6btJ3nubwJfnKcFDzz`. A red box highlights the 'Generate' button, and a callout bubble says 'Click Generate and...'. Another red box highlights the permission checkboxes, and a callout bubble says 'Make sure to give yourself permissions!'.

**API Token** [? Help](#)

Manage the auth...  
You can create...  
Example: cur...  
[Generate](#)

Click Generate and...

permissions

View records Add records Edit records Delete records  
Manage app

Make sure to give yourself permissions!

| 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<br><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?

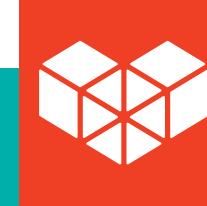
If you're stuck, post your question & code on the

**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". A table lists four main categories: "Announcements" (5 topics), "General" (422 topics), "Site Feedback" (0 topics), and "Job Listing" (1 topic). Each category has a brief description. To the right, several forum posts are listed, each with a user profile picture, the post title, the category it belongs to, its score (e.g., 1, 2, 0), and the date it was posted.

| Category      | Topics | Latest                                                                                                                                                     |
|---------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Announcements | 5      | Onboard Users Like a Wizard with Shepherd.JS – React Basics Tutorial Workshop<br>Jul 22<br>Announcements<br>workshop... pacifi... online-eve... onboarding |
| General       | 422    | Welcome to Discourse<br>Apr 15<br>General                                                                                                                  |
| Site Feedback | 0      | "Scanning" for fields in an App?<br>4d<br>General                                                                                                          |
| Job Listing   | 1      | Seeking Independent Contractors with Kintone                                                                                                               |



Any  
Questions?

[kintone.dev](https://kintone.dev)

# Thank You!



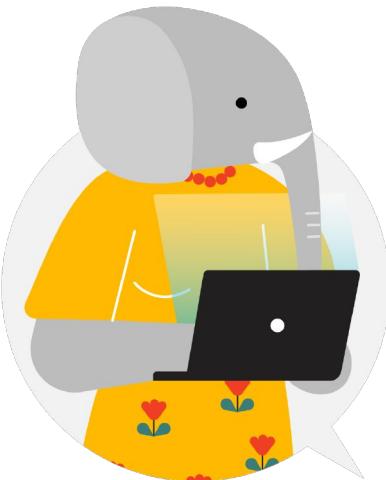
# Join Our Future Workshops!

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)**

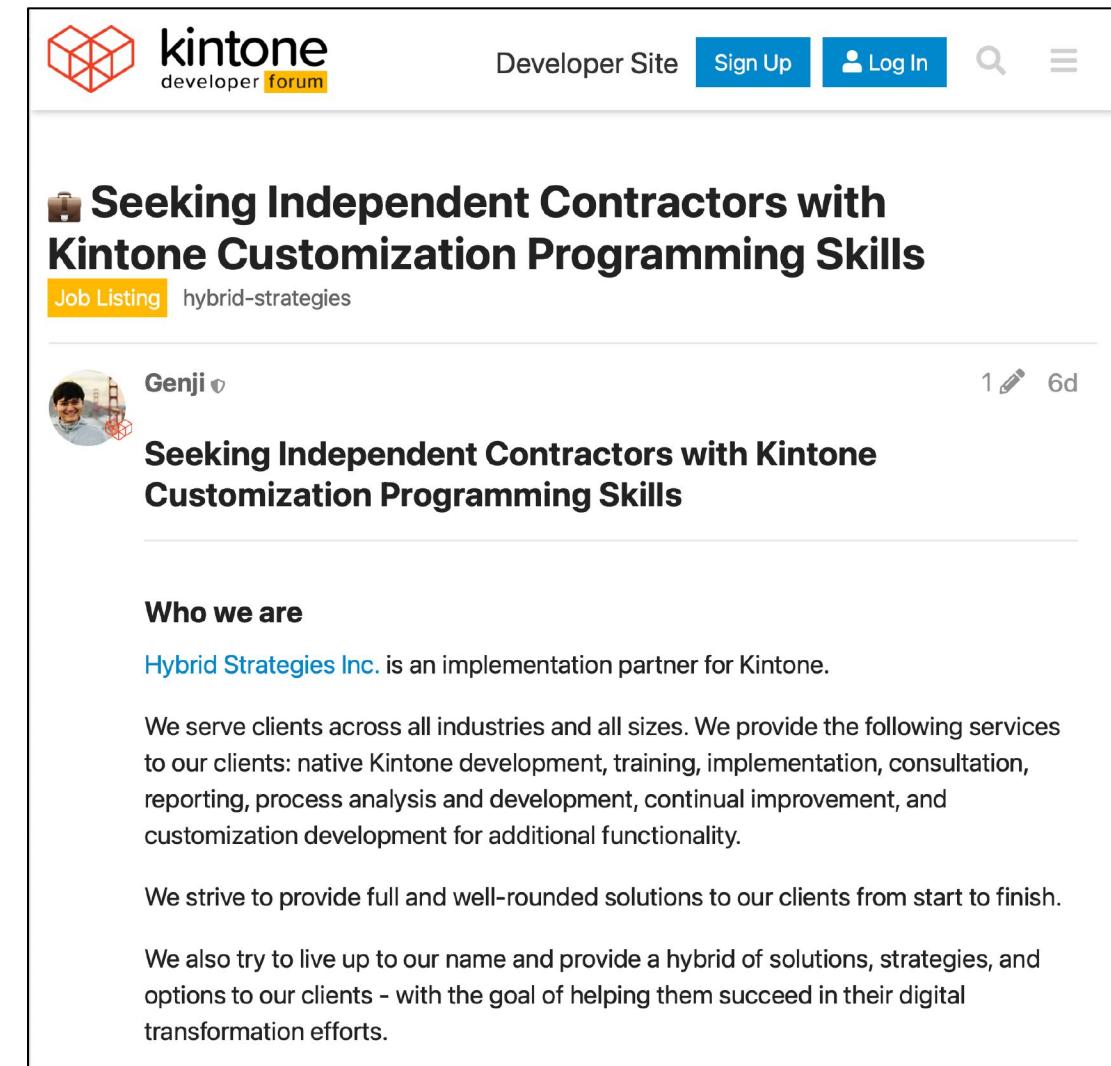
# Want a Job?

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 includes the kintone logo, developer forum text, a search bar, and navigation links for Sign Up and Log In. The main content displays a post titled "Seeking Independent Contractors with Kintone Customization Programming Skills" under the "Job Listing" category. The post was made by a user named Genji 6 days ago. The post text reiterates the job title and asks for contractors with Kintone customization programming skills. Below the post, there's a section titled "Who we are" which describes Hybrid Strategies Inc. as an implementation partner for Kintone, serving clients across all industries and sizes with native Kintone development, training, implementation, consultation, reporting, process analysis and development, continual improvement, and customization development for additional functionality. The text also mentions providing full and well-rounded solutions from start to finish and living up to their name by providing hybrid solutions, strategies, and options to clients.

Developer Site [Sign Up](#) [Log In](#)  

**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/KDP23JAN](https://bit.ly/KDP23JAN)**