

Project Name: No Code Builder

Abstract:

No-code is becoming the preferred alternative to conventional software development. Now anyone can build software from scratch, with simplicity and with zero coding requirement. Apps, platforms and tools built using no-code are creating buzz everyday. No-code has created avenues for hustlers with non-technical backgrounds to bring their vision to reality.

Project Details:

Project Requirement Gathered Date:	12-Apr-2024
Project Start Date :	24-Apr-2024
Project Requirement Given BY	Nageswari (via Gmeet) (Time:2:00PM)
Project Team Manager	Kanimozhi
Project Team Lead	Keerthana and Rooban
Project Team Members	HariHaran and Muthu
Project Team	Python Team
Tool/Programming Language To be Used	(yet to decide)
Project Deadlines	(yet to decide)

What we need to Build With NoCodeBuilder:

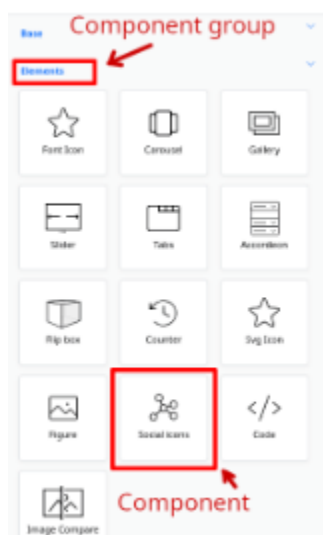
- Customized business apps that you can self-host
- Forms that provide smooth integration
- Effective approval workflow softwares
- Admin panels with easy designs, can be made in minutes
- Student planners, Book writing guides and other materials related to education

- Applicant tracker, performance review, employee directory etc. for HR department of businesses
- For small businesses, Baserow can be used to build lightweight CRM, project tracker, management, expenses manager, app pitch planner etc.
- Product roadmaps, project trackers, performance reviews, team check ins etc. for project management.

Structure:

Component Groups

Component Group is a collection of Components, for example Bootstrap 5 is composed of Components such as Button and Grid, this object is used only for grouping components in the editor left panel.



Sample Image

A Component is an object that provides html that can be dropped on the canvas and also properties that can be edited when the component is selected. An Input object is used in Component properties collection for editing the property, for example text input, select, color, grid row etc.

Use this as Reference: <https://github.com/givanz/VvvebJs/actions>

Connect

Bring all your data together

Whether your data lives in a spreadsheet, SQL database, or REST API, NoCodeBuilder has got you covered. Securely connect to over 30 data sources (from Google Sheets to PostgreSQL) and sync data to NoCodeBuilder Database.

SQL Sync

When using a SQL database with NoCodeBuilder, you can sync your tables with NoCodeBuilder which will allow you to auto generate CRUD screens, view your data in table format, paginate your data and model relationships.

REST API connector

Use the new powerful Rest API connector to connect with REST APIs, fetch data, receive form data, authenticate with external APIs, and build modern business apps in minutes.

Custom queries

NoCodeBuilder supports the ability to write custom queries. These queries can be really useful if you want to perform advanced joins or server-side filtering.

Transform your data

When retrieving data from various sources, transformers allow you to transform your incoming data to fit your app's use case - from simply extracting properties from deeper JSON objects to enriching your data with more information, transformers can be used for a wide variety of applications.

Start from scratch

Built-in no-code database

When you don't have a dataset, NoCodeBuilder's built-in database is the perfect solution for building tools from scratch. It's easy to use, scalable, and comes with a tonne of features out of the box.

Views

Views in NoCodeBuilder are a simple and performant way to filter data. By default, access is inherited from the View's parent table.

Configurable View Access

Configure the minimum access level to a View.

Upload CSVs

Upload CSVs straight into NoCodeBuilderDB. During the upload process, you can also configure field types.

Table level security

Configure read and write access at the table level ensuring your data is always secure.

Auto columns

Benefit from auto generated columns such as created by, created at, updated at, auto ID and more.

Build apps

Drag-and-drop GUI

Building your app is made a lot easier with Drag and Drop. Simply drag components on to your NoCodeBuilder layout screen, and you're now ready to style the component as you please.

Auto-generate screens

After you've set your data up, you can generate a fully working CRUD app with 3 clicks.

We're pretty proud of this feature and excited for you to try this out!

Pre-built components

NoCodeBuilder has over 30 pre-built components to help you build production-grade apps people enjoy using, really quickly.

Coding optional

With NoCodeBuilder, coding is optional. For no-coders, it's simple to build an app without JS. For developers, from adding logic to your components to transforming data, NoCodeBuilder allows you to write JavaScript almost anywhere in the builder.

Live evaluation

With Live Evaluation, you can see the output of your code in real-time, directly next to the code editor.

Apps that work on mobile, tablet, desktop

Design apps that work beautifully across multiple devices. Within the design section, you can quickly toggle between devices to ensure your app is always looking great, no matter the device.

Light and dark mode

Out of the box, you can switch your app's design theme from light to dark with just 1 click. You can also configure a brand color for buttons, links, highlights, etc.

Embeds

With the NoCodeBuilder Embed feature, you can share your public apps outside of NoCodeBuilder and integrate them directly within websites or apps.

Reusable snippets

Reusable Code Snippets, on the other hand, speed up development by enabling you to write code once and then effortlessly apply it anywhere across your app—no more redundant coding!

Collect data

Data collection, your way

Where you're replacing a paper survey or collecting ideas from employees, NoCodeBuilder provides you with a platform that allows you to do this easily, quickly, and, most importantly, securely.

Create forms on top of your database

Whilst other form builders require you collect and store data on their databases/servers, with NoCodeBuilder you can generate/build forms on top of multiple databases including PostgreSQL, MYSQL, Mongo and more, allowing you to store data in your own database on your own servers (if self-hosting).

Multi-step forms

Create multi-step forms and surveys with ease using NoCodeBuilder. As always, NoCodeBuilder's flexibility allows you to add actions, validation and logic to each step.

Validation

With NoCodeBuilder you can set up a whole host of form validation rules - including regex support and some built in validations common with form based apps. Provide custom validation messages for each of your conditions for total validation control and tailored user feedback.

Highly customizable

Forms come in all shapes and sizes and we understand that first hand. For this reason, users can build forms of all levels of complexity with NoCodeBuilder; including adding extra information for each question, multi-step forms, custom logic, validation, custom styling and more.

Streamline Workflows

Bring the power of automation to any process. Build advanced workflows that incorporate custom logic, conditions, filters, and more. No code needed.

Automate processes

Create multi-step automations with ease

Build automations that automate several tasks at once without coding. We've obsessed over making this experience as simple, yet powerful, as possible. When creating an automation you can pick from over 20 triggers and actions.

If/then logic

Add conditions and logic to each step of your automation workflow.

Schedule

Use the CRON trigger to schedule your automations.

Looping

Run an action multiple times, and if you need to, pass that information to the next automation step. An important feature if, for example, you want to send an email to multiple recipients in a database.

Test automations

Test your automations and view the results in the sidebar so that you can continue tweaking your automation until it works the way you want!

Automation logs

Automation logs are a list of logs that display whether an automation was successful or not - including relevant information to help with debugging.

Synchronous automations

Allow users to receive feedback from their automation in the Design section or via a webhook response.

Connect outside**Connect to services outside NoCodeBuilder**

When building tools and automating processes, sometimes its important to push data outside NoCodeBuilder. With NoCodeBuilder, you can achieve this in a number of simple ways.

Send notifications

Send emails and Slack/Discord notifications when an automation is triggered.

Webhooks

Webhooks allow NoCodeBuilder to listen for an external application event, and trigger an automation.

Extend automations with Zapier and Make

Extend automations by connecting to Zapier, Make and other automation platforms

OpenAI automation action

Connect ChatGPT to NoCodeBuilder automations and build AI apps in minutes with the new OpenAI automation action.

Take control

Maximize efficiency with a platform that works at scale and adapts to your needs.

Backed by admin features, increased security, world-class support, and more.

Scale with confidence

Managing and scaling NoCodeBuilder throughout your organization is a breeze. To make your experience even better, features such as SSO, user onboarding, and RBAC are free. We want you to feel confident when you begin your journey with NoCodeBuilder.

Role-based access control

Configure what users can and cannot access any given app. If a user is given access to an app, you can then assign them a role within that app. What a role and cannot do, can also be configured by you too - providing both flexibility and control.

Creator RBAC

Assigned users with Creator access to individual apps.

Free SSO

NoCodeBuilder provides OIDC and Google SSO support out of the box, for free. If you are not aware of OIDC, it is an open standard and decentralized authentication protocol. As a user, you will have infinite possibilities for SSO, including: Active Directory, Auth0, Okta, OneLogin. It's also possible to add your own authentication!

User onboarding

Automate the onboarding of new users with email onboarding - you can even customize the content and styles of the emails. If your users don't have emails, you can create usernames and generate passwords too. You can also bulk-upload users from a CSV.

Backups

Backup your apps, including its data and design. Once you backup your app. you can rollback to different snapshots.

User groups

User groups enable you to create groups of users with which you can easily share apps. They are a great timesaver when it comes to user onboarding - simply drop a new user

into their team group, and they'll inherit the default access too all the apps assigned with that group.

Audit logs

As an admin, at times you may need to perform an audit of which users have had access or have made changes to certain databases or apps. Audit logs provide you with a powerful UI to monitor activity and identify potential threats.

SCIM / Active Directory sync

Sync an existing set of users and groups from an identity provider (Okta, AD, OneLogin) and keep these users in sync with NoCodeBuilder.

Enforceable SSO

Enforced SSO is a feature that allows login from a configured identity provider to be required for all of your users. Any existing password users will no longer be able to login after enabling the feature. .

Security

Security is at the core of all new development

We consider privacy and security to be core functions of our platform, as well as foundational requirements for all new feature development. Earning and keeping the trust of our users is our top priority, so we hold ourselves to the highest security standards.

Data encryption

Every customer and app has its own segregated database. We force HTTPS connections and data-in-transit encryption in the NoCodeBuilder cloud with TLS. We restrict production data access to 3 team members. We also undergo quarterly independent penetration tests.

Environment variables

Environment variables ensure the encryption of sensitive data, secure configuration management and provide the ability to switch configuration between environments.