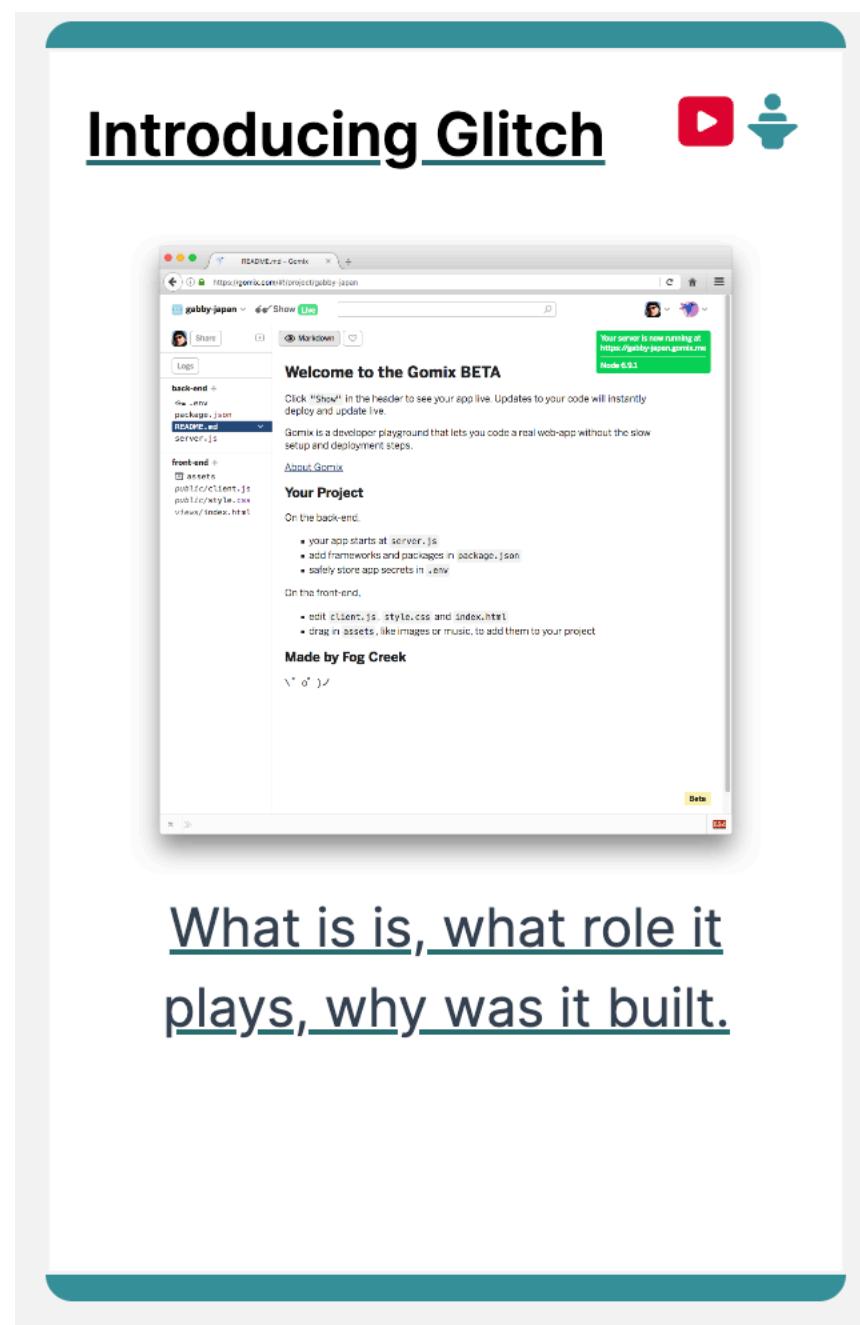


# Introducing Glitch



What is it, what role it plays, why was it built.

# What is Glitch?

---

*“Everybody has good ideas of things we want to make on the Internet. But honestly, it’s gotten too hard. Glitch fixes that.*

*If you’re not a professional developer, the barriers are way too high. There are pretty good tools if you just went to make a marketing website or a blog, but if your idea is an app or a bot or something more interactive, you’re out of luck. It ought to be as easy to make an app as it is to edit a blog post or to change a formula in a spreadsheet.”*



Anil Dash, December 6, 2016

**Glitch is the friendly place where everyone builds the web. Start a new blog, play with React, or build new worlds with WebXR. Let's go!**

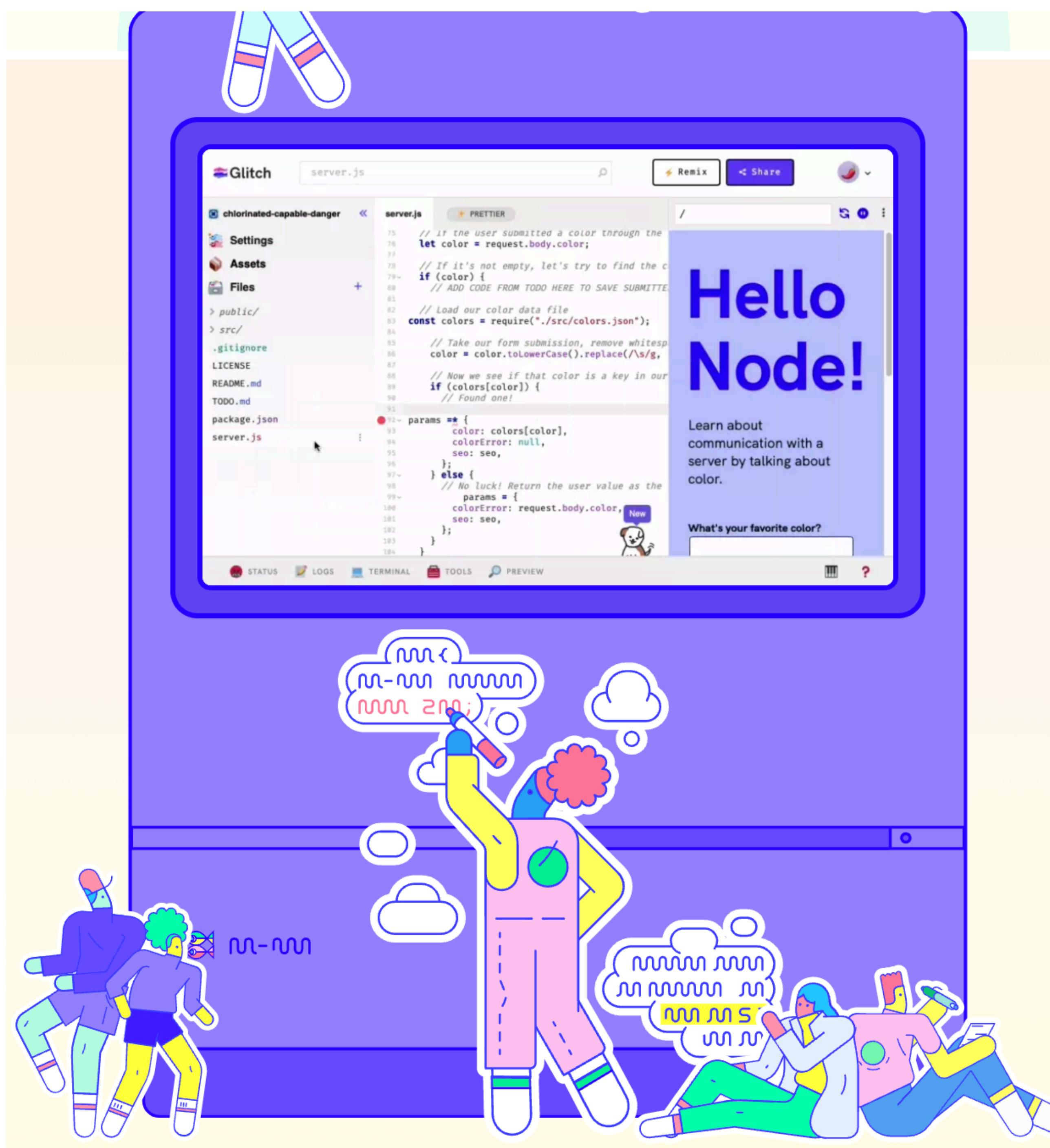


**Try Glitch in Bio!**

Our newest starter helps you build your own free links page.

 [Remix Glitch In Bio](#)

<https://glitch.com>



## 1 Instant editing

Click a button, you're editing code. Start typing, your site updates. Our editor gets you moving fast, from any computer with a browser.

5

## 6 Better together

Millions of apps built by the [magical Glitch community](#) await your remix. Enjoy rapid, frictionless collaboration with realtime, multiplayer project editing.

11

## 12 You've never built like this

Everything you need, a full node ecosystem, a working terminal, even custom domains. [Edit fearlessly](#)—our rewind tool gives you unlimited undo.



## [More about the Glitch editor](#)

# Just remix to get started



## Basic Website

A simple website starter

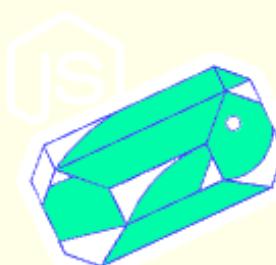
[Hello Website](#)



## Glitch in Bio

Your own free links page

[Remix your own](#)



## Hello Node!

Full stack, ready to go

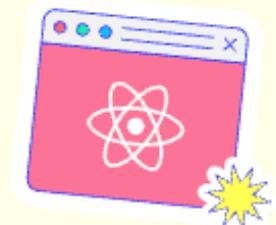
[Hello Node](#)



## Blog with Eleventy

As easy as blogging gets

[Hello Eleventy](#)



## React

A static React builder

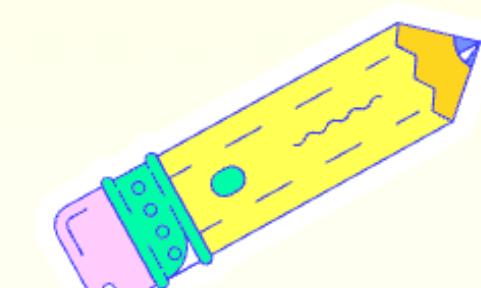
[Hello React](#)



## SQLite

A starter database

[Hello SQLite](#)



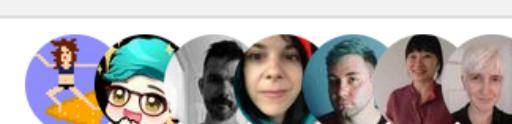
## Build that thing you've been imagining

Millions of people use Glitch to express themselves, try new things, and help others learn. We're fun and easy, so you spend less time setting up and more time exploring, experimenting, making mistakes and growing.

## Pinned Projects

 **glitch-hello-node**

A simple Node app built with Fastify, instantly up and running.



 **11ty glitch-hello-eleventy**

Build a new Eleventy blog on Glitch!



 **glitch-hello-react**

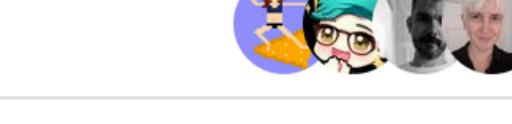
Get started with a new React project on Glitch!

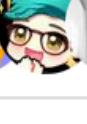


 **glitch-hello-website**

Your very own basic web page, ready for you to customize.



<https://glitch.com/@glitch>

## Recent Projects

 **glitch-in-bio**

Your links, your way. A link-in-bio app you can customize any way you want.



 **glitch-blank-react**

The extremely minimal version of our React generated static site starter!



 **glitch-blank-node**

A simple Node app built on Express, instantly up and running.



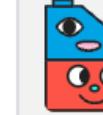
 

 **glitch-blank-sqlite**

A hosted database app including methods to create, add, update, and delete.



 **hello-express**

A simple Node app built on Express, instantly up and running.



 **handbook**

the Glitch Company Handbook





## Hello Starters

All the official Glitch Hello starter apps, as seen on [glitch.com/create-project](https://glitch.com/create-project)! Build your next website/app by remixing one of these!



glitch-hello-website

Your very own basic web page, ready for y...



glitch-hello-node

A simple Node app built with Fastify, insta...



glitch-hello-react

Get started with a new React project on ...



by Glitch

View all 9

## I've been meaning to learn that API!

Get started on your next great app with these API demos, built by the developers behind your favorite services!



spotify-playground

Explore the Spotify API



basic-video-chat

Getting started with Vonage Video API by ...



slack-bolt

This is an example App built with Slack's ...



by Glitch

View all 6

## "Vintage" Starters

These are starter apps we used to feature in the "New Project" dropdown and `/create-project` page.



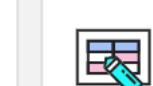
hello-express

A simple Node app built on Express, insta...



hello-webpage

Your very own basic web page, ready for y...



hello-sqlite

A simple Node app with a SQLite databas...



by Glitch

View all 6

## Make art and music



processing-js

A hypnotic processing.js sketch



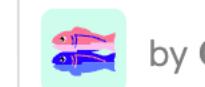
paper-js

The Swiss Army Knife of Vector Graphics ...



p5js

A demo of p5.js, a JS library for creating ...



by Glitch

View all

## Music

The sounds of music created, connected, visualized and remixed.



hypem-daily

Alexa Flash briefing daily top song from H...



watson-text-to-speech

Watson will turn the text you supply into ...



remixtoplankton

Remixing elektroplankton



by Glitch

View all

## Make a game

Create some rad games to show off to your friends!



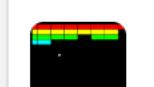
memory-game

Card-matching memory game



space-invaders

Demo of a game loop, collision detection, ...



mini-breakout

A breakout clone using Phaser



by Glitch

View all 6

## Code in Python

Tired of typing curly braces? These projects will help you flex your Python muscles.



flask-python3

Flask starter project for Python 3



hello-flask

Sample "Dreams" hello world application,...



python-greet-bot

Example Slack app built in Python using t...



by Glitch

View all 3

## Hack your hardware

They're your devices, teach them new tricks!



twilio-sms

Send SMS messages with Twilio



alexa-skill

A full, working Alexa Skill that gets weath...



multi-ifttt-triggers

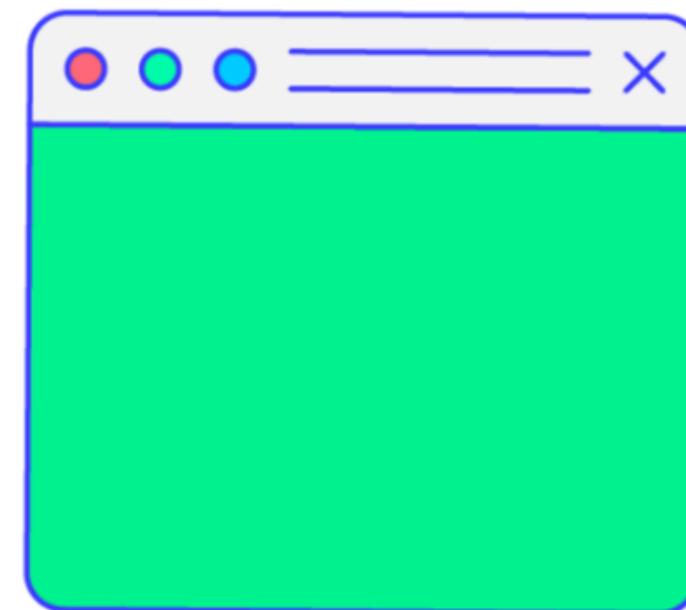
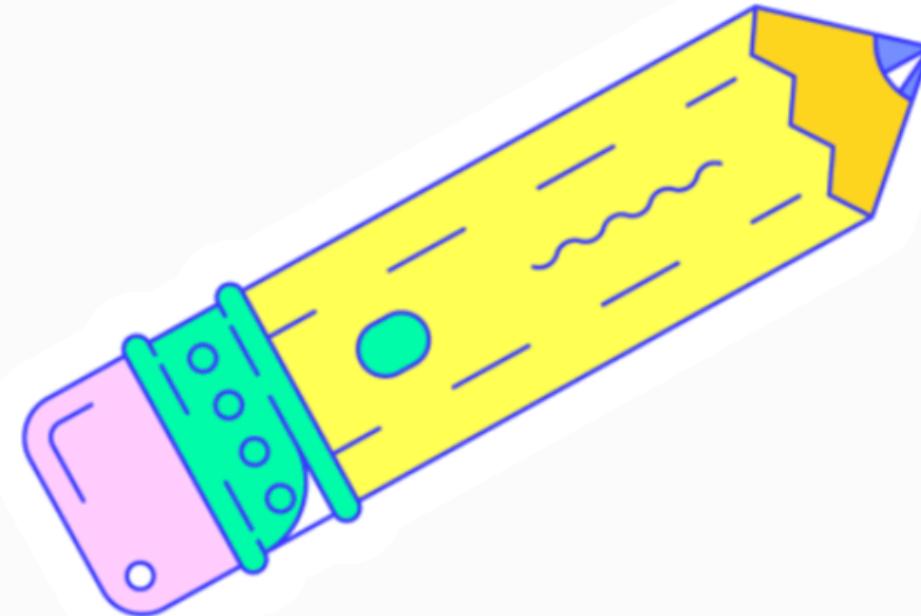
Trigger multiple actions in IFTTT



by Glitch

View all 9

<https://glitch.com/@glitch>



## Getting Started

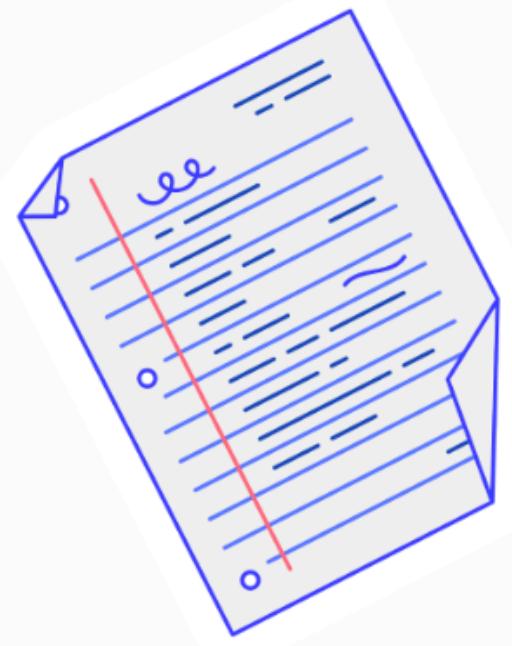
See how to set up an account and start creating!

## Project Editor

Find out all the things you can do within the Project Editor!

## Projects

Learn about general project options.



## Policy

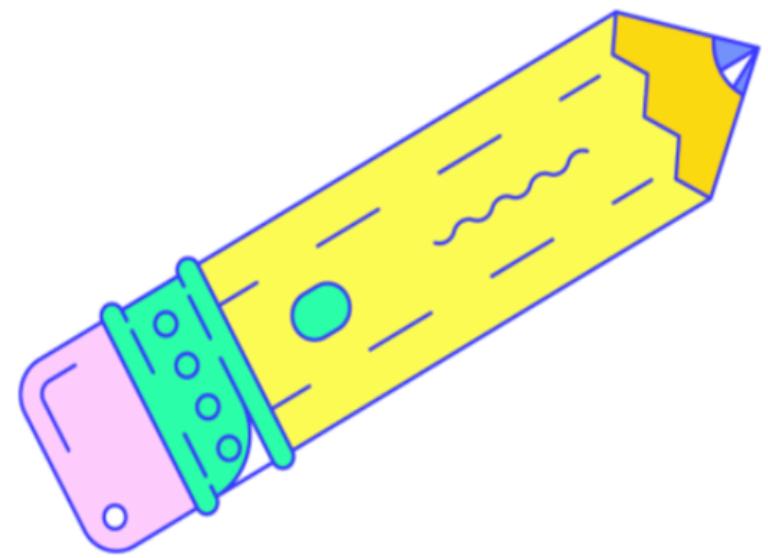
Help us keep Glitch the friendliest community of coders on the Web.

## Teams

Learn how Glitch Teams makes app sharing and collaboration apps even easier!

## Glitch in Bio

Learn how to build a mobile-friendly, free, fully customizable landing page to use as your "Link in bio" on social media sites.



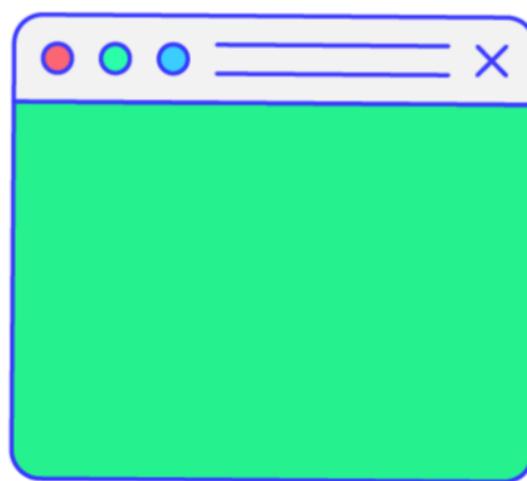
## Getting Started

See how to set up an account and start creating!

## Articles

- ◆ Getting Started: Part 1 - The Project Editor
- ◆ Getting Started: Part 2 - Project Editor Settings & App Status Bar
- ◆ Getting Started: Part 3 - More Tools & the Share Menu
- ◆ Your Project Dashboard
- ◆ Glitch Pro
- ◆ Customizing Your Profile Page
- ◆ Using the Glitch Search Bar

# Sub Sections



## Project Editor

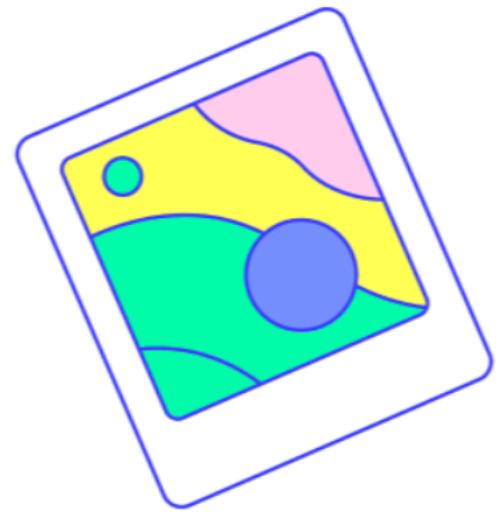
Find out all the things you can do within the Project Editor!

# Articles

- ◆ .env
- ◆ Custom Domains
- ◆ Importing & Exporting Code
- ◆ Share Menu
- ◆ Assets
- ◆ Errors in the Editor
- ◆ Settings

- ◆ Keyboard Shortcuts
- ◆ Project Files
- ◆ Project Terminal
- ◆ Debugger

- ◆ Adding NPM Packages
- ◆ Rewind
- ◆ Prettier



## Projects

Learn about general project options.

## Sub Sections

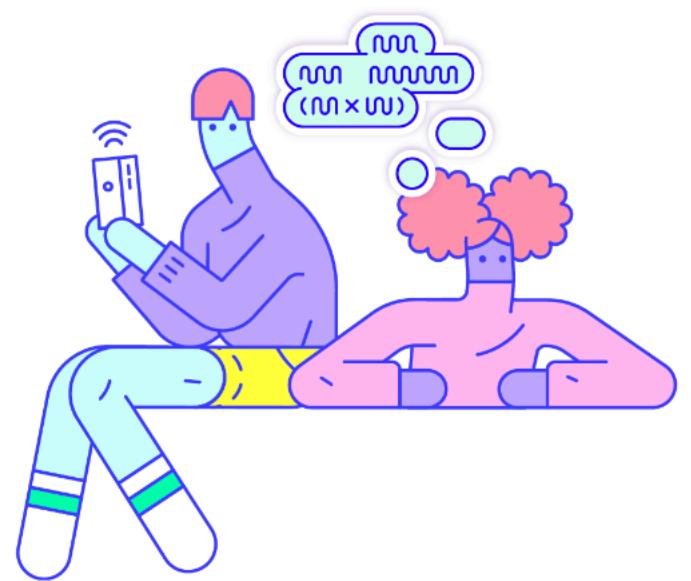
- ◆ Embeds
- ◆ Project Types

- ◆ Glitch Buttons

## Articles

- ◆ Technical Restrictions
- ◆ glitch.new
- ◆ Why is my project's Twitter social card out of date?

- ◆ Project Hours
- ◆ Supported Languages & Frameworks



## Teams

Learn how Glitch Teams makes app sharing and collaboration apps even easier!

# Articles

- ◆ [Glitch Teams Overview](#)
- ◆ [Team Admin vs. Team Members](#)
- ◆ [Customizing Your Team Page](#)
- ◆ [Finding Your Teams](#)
- ◆ [Adding Team Members](#)
- ◆ [Changing the Team Admin](#)
- ◆ [Adding Projects to a Team](#)
- ◆ [Deleting a Team](#)



## Glitch in Bio

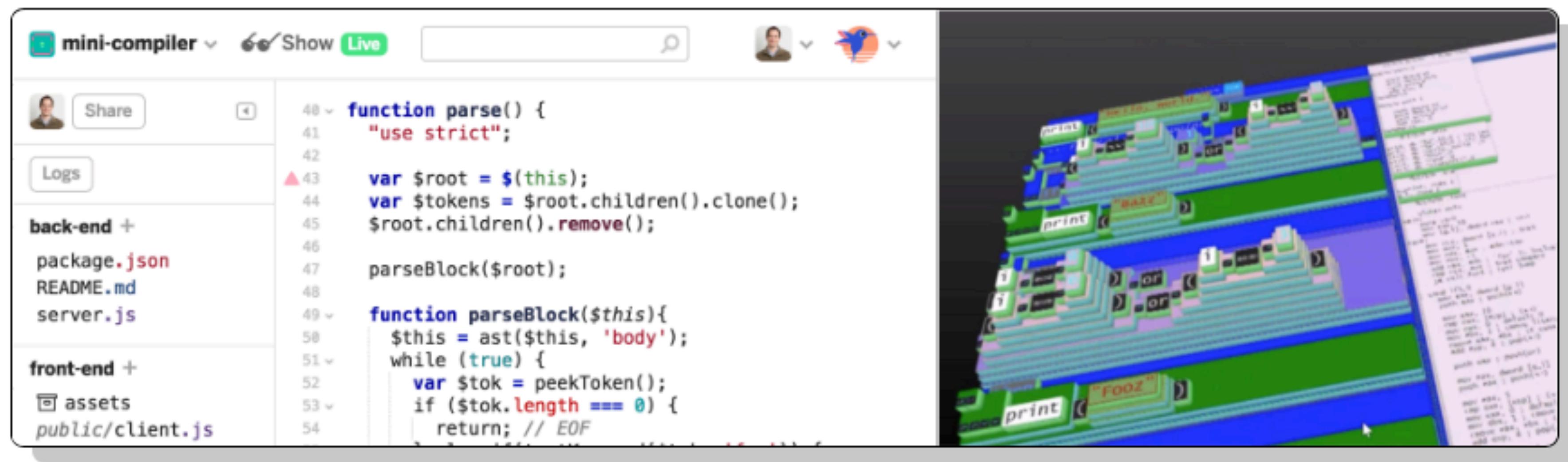
Learn how to build a mobile-friendly, free, fully customizable landing page to use as your "Link in bio" on social media sites.

# Articles

- ◆ Adding Links
- ◆ Customizing Styles
- ◆ Copying a Theme
- ◆ Extending Glitch In Bio

- ◆ Changing the Layout
- ◆ Creating & Using Themes
- ◆ Adding Handlebars

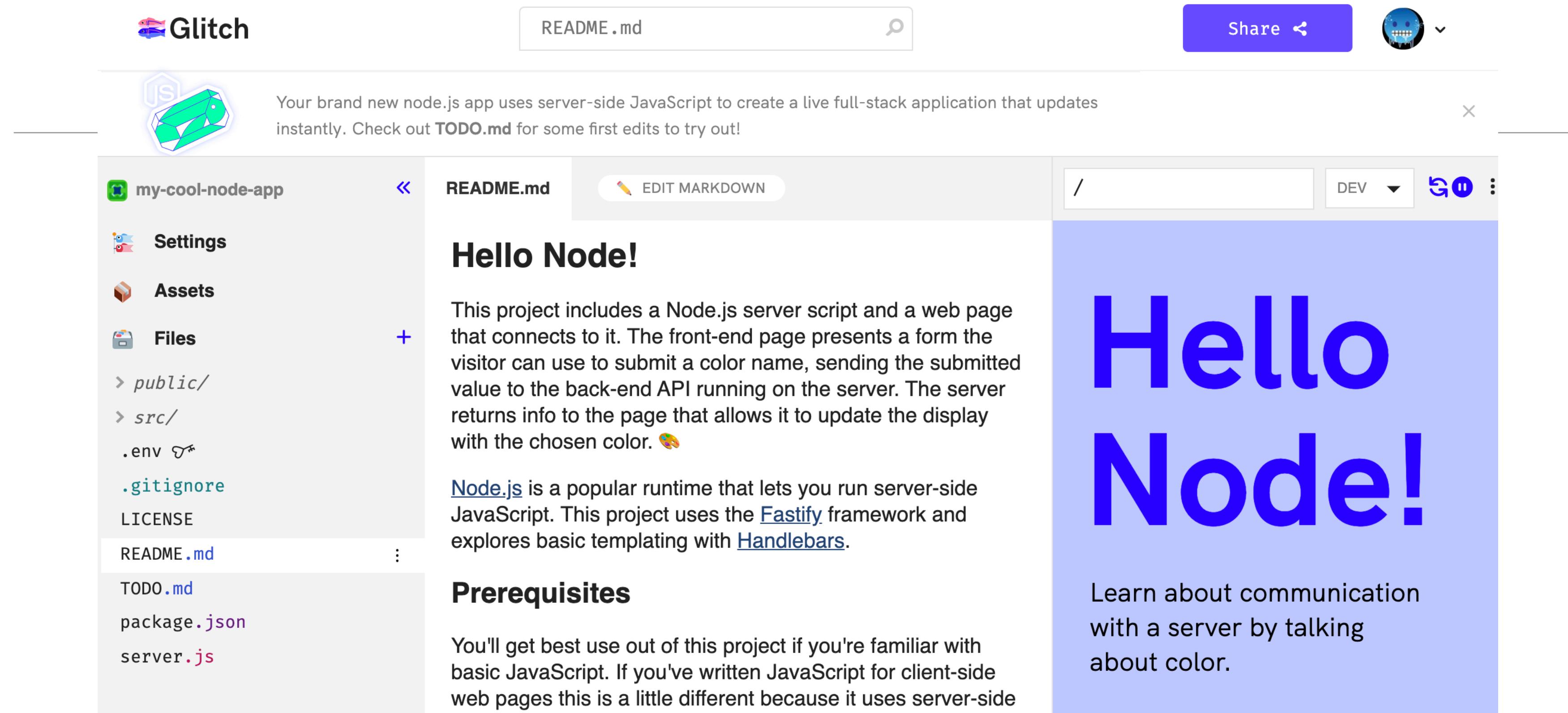
## It's fun, but it's not a toy



Glitch isn't a "dumbed down" version of a real developer environment — your Glitch app runs on the exact same cloud infrastructure and Node.js engine that the best developers use to run their apps. We've just made it easier for you to get started.

While you work with Glitch, we seamlessly upgrade your servers in the background. There's no deployment or server provisioning - it all happens automatically.

# Glitch handles the mess



Your brand new node.js app uses server-side JavaScript to create a live full-stack application that updates instantly. Check out [TODO.md](#) for some first edits to try out!

**my-cool-node-app**

**Settings**

**Assets**

**Files**

> `public/`

> `src/`

`.env` 委副书记

`.gitignore`

`LICENSE`

`README.md`

`TODO.md`

`package.json`

`server.js`

**README.md**

[EDIT MARKDOWN](#)

**Hello Node!**

This project includes a Node.js server script and a web page that connects to it. The front-end page presents a form the visitor can use to submit a color name, sending the submitted value to the back-end API running on the server. The server returns info to the page that allows it to update the display with the chosen color. 颜色

[Node.js](#) is a popular runtime that lets you run server-side JavaScript. This project uses the [Fastify](#) framework and explores basic templating with [Handlebars](#).

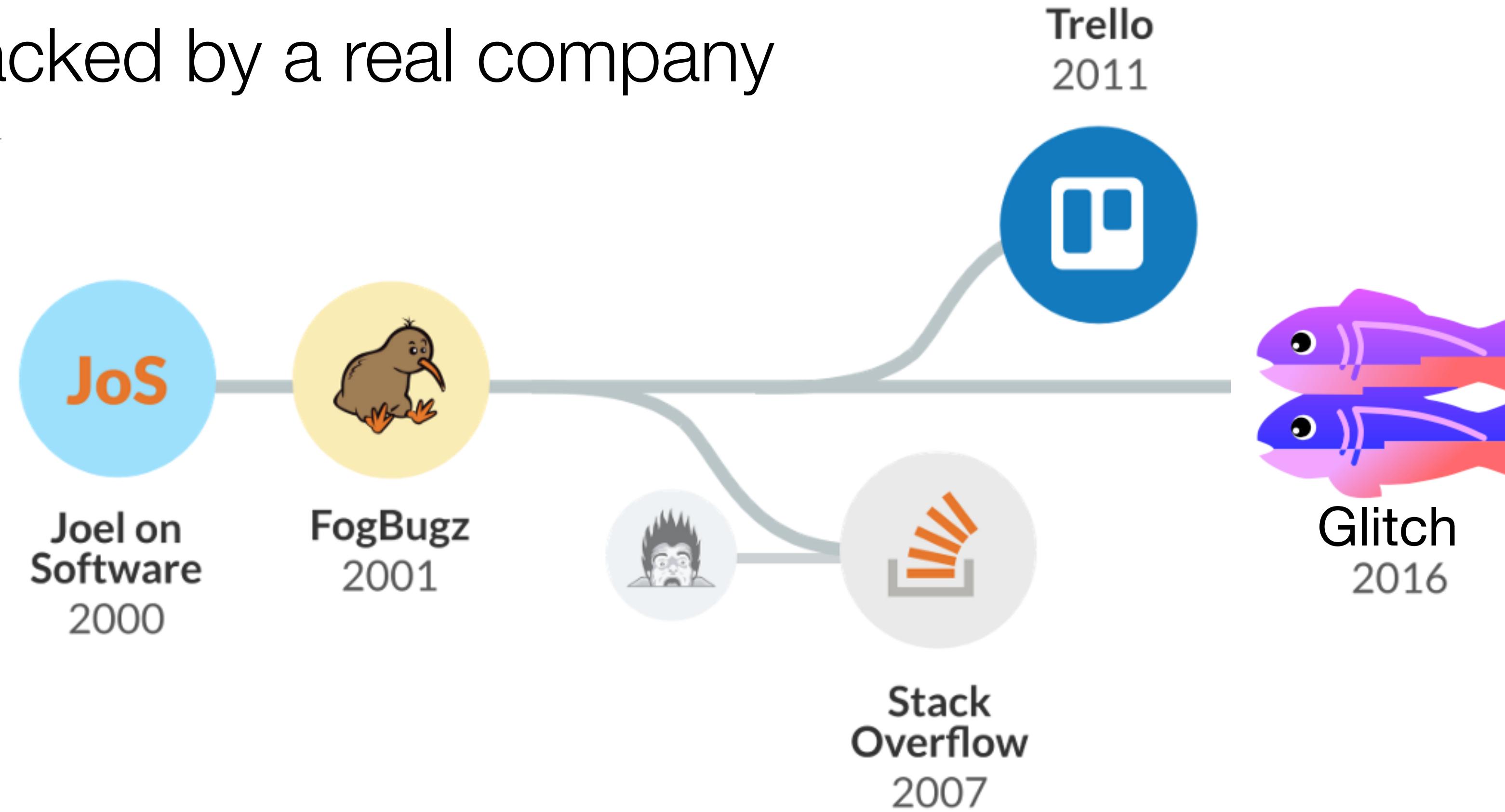
**Prerequisites**

You'll get best use out of this project if you're familiar with basic JavaScript. If you've written JavaScript for client-side web pages this is a little different because it uses server-side

- While you work with Glitch, it will seamlessly upgrade your servers and cloud infrastructure in the background.
- There's no deployment or server provisioning because it all happens automatically.

# Backed by a real company

---



- Glitch is made by Fog Creek, one of the most influential small tech companies in the world.
- They made Trello, FogBugz and co-created Stack Overflow.

## Why did they make it

---



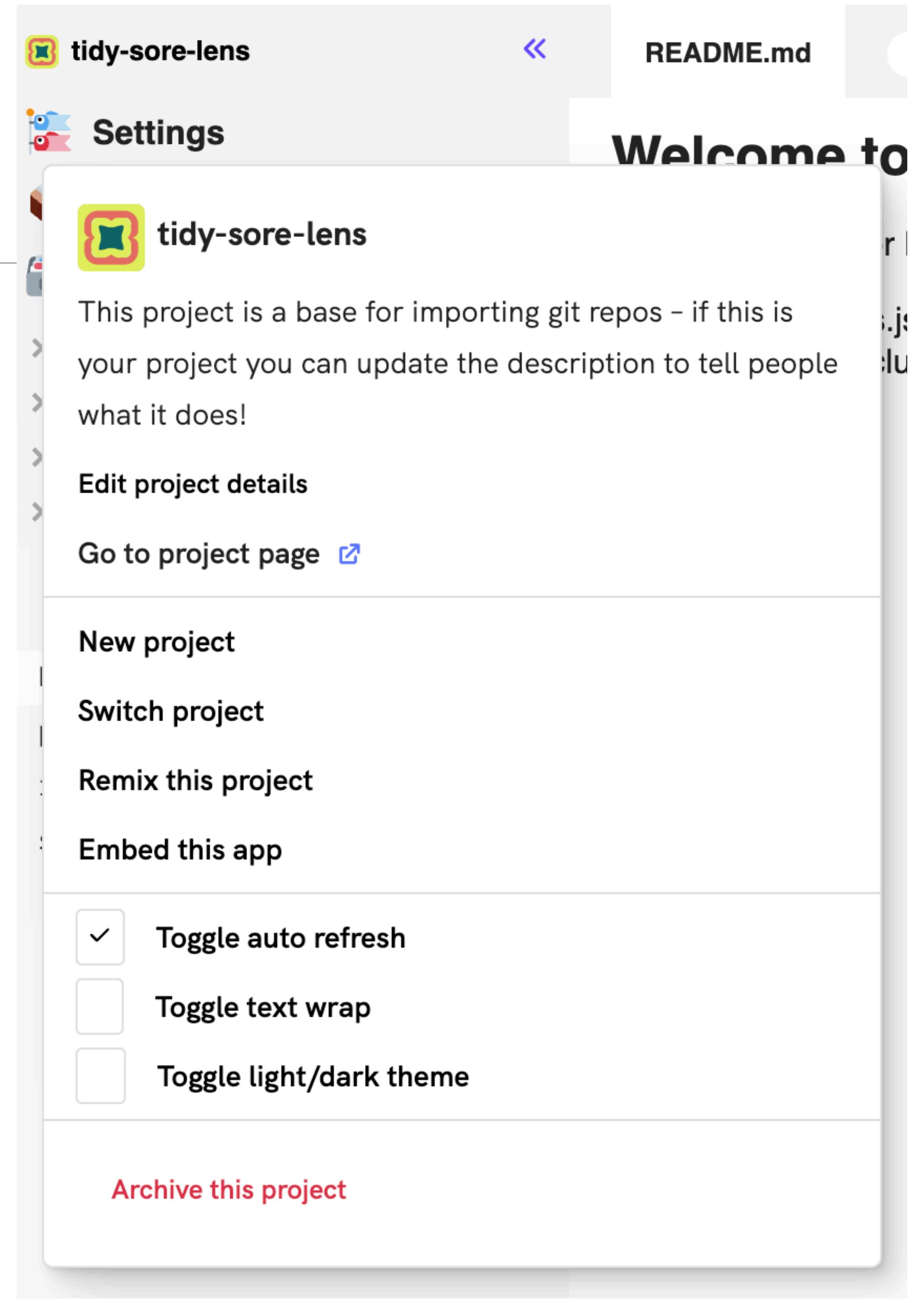
In some ways, Glitch is a throwback to an older era of software or the internet, when there were simpler ways to get started making cool stuff.

For people who were around at that time, they'll understand Glitch easily: It brings "View Source" back.

The ability to just look at the code behind something, and tweak it, and make your own thing, was essential to making the Internet fun, and weird, and diverse, in its early days.

# Creating New Projects

- ‘New Project’ creates a starter app with a single view + simple features
- ‘Remix this’ duplicates the current project- which can be evolved in a different direction
- ‘Switch Project’ sets the current project to be another your projects.



# Advanced Options

- The full source of a project can be:
  - Exported to a GitHub repository
  - Download as an archive to your own workstation.
  - Deleted
  - Made Private (all projects public by default)

< Import and Export 

Every Glitch project is also a Git repository you can access.

Your project's Git URL:

<https://8f59f823-ba2e-49> 

Your project's Git URL is private and shouldn't be shared with anyone, including other members of this project.

**Import from GitHub** 

Grant us access to your GitHub repos in order to export projects from Glitch to GitHub.

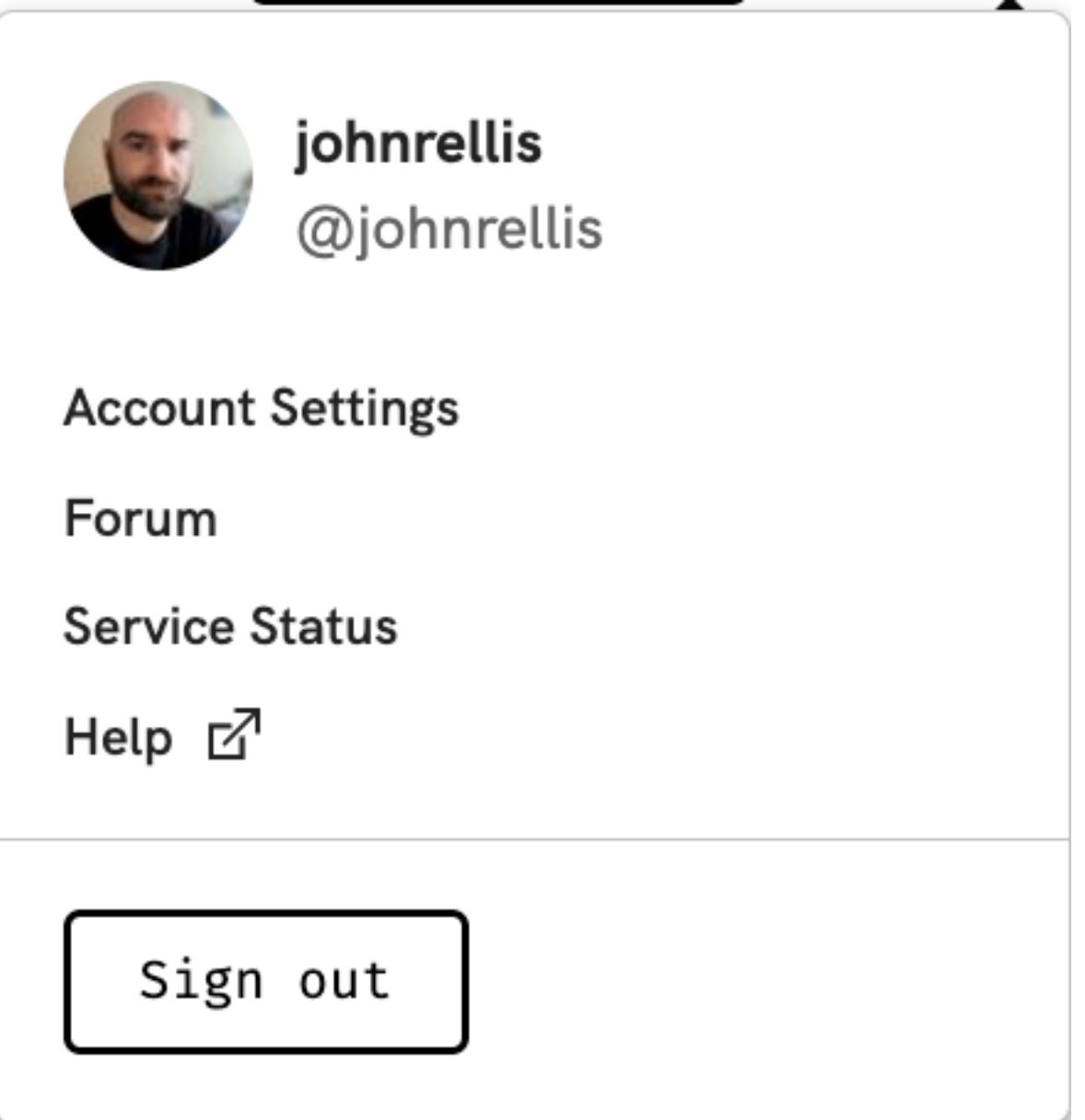
**Grant access**

**Download Project** 

# Profile

---

- Profile tied to your github account.
- Project updated ‘live’ as you edit, unless you change this option



# Logs

- Logs allow you to monitor the app.
- App can write to this log - can be a useful source of diagnostic information

The screenshot shows the Glitch development interface for a project named "tidy-sore-lens".

**Project Structure:**

- tidy-sore-lens
- Settings
- Assets
- Files
  - > controllers/
  - > models/
  - > utils/
  - > views/
  - .env
  - .gitignore
  - README.md
  - package.json
  - routes.js
  - server.js

**Welcome to the Glitch Template 1**

A starter project for learning Glitch.  
This is an Express.js project, designed to work well with the Glitch development environment. It includes basic express setup, templating, routing and session support.

**Logs:**

No Node version was specified; we are using default version 10. You can change this in package.json: <https://glitch.happyfox.com/kb/article/59-can-i-change-the-version-of-node-js-my-project-uses/>

node v10.24.1, with pnpm

Installing ...

Performing headless installation

Total install time: 12704ms

{ message: 'glitch-template-1 started on port 3000',  
level: 'info',  
label: 'Playlist' }

**User Interface Elements:**

- Top bar: README.md, EDIT MARKDOWN, tidy-sore-lens.glitch.me/ (with icons for GitHub, Glitch, and more).
- Right sidebar: Todo Version 3, Signup, Login, Sign up or Log in... button.
- Bottom navigation: STATUS, LOGS, TERMINAL, TOOLS, PREVIEW, and a question mark icon.

# Logs

- Syntax errors in back-end javascript reported here.

The screenshot shows a development environment for a Node.js application named "tidy-sore-lens".

**File Tree:** On the left, a sidebar displays the project structure:

- tidy-sore-lens
- Settings
- Assets
- Files
  - controllers/
  - models/
    - json-store.js
    - todo-list-store.js
    - user-store.js
    - user-store.json
  - utils/
  - views/
  - .env
  - .gitignore
  - README.md
  - package.json
  - routes.js
  - server.js

**Code Editor:** The main area shows the contents of `todo-list-store.js`:

```
1 "use strict";
2
3 const _ = require("lodash");
4 const JsonStore = require("./json-store");
5
6 const todoListStore = {
7   store: new JsonStore("./models/todo-list-store.json", {
8     todoListCollection: []
9   }),
10  collection: "todoListCollection",
11
12  getAllTodos() {
13    return this.store.findAll(this.collection);
14  },
15
16  addTodo(todo), {
17    this.store.add(this.collection, todo);
18    this.store.save();
19  },
20
21  getTodo(id) {
22    return this.store.findOneBy(this.collection, { id: id });
23  },
24
25  removeTodo(id) {
26    const todo = this.getTodo(id);
27    this.store.remove(this.collection, todo);
28    this.store.save();
29  },
30
31  getUserTodos(userid) {
32    return this.store.findBy(this.collection, { userid: user });
33  },
34};
35
```

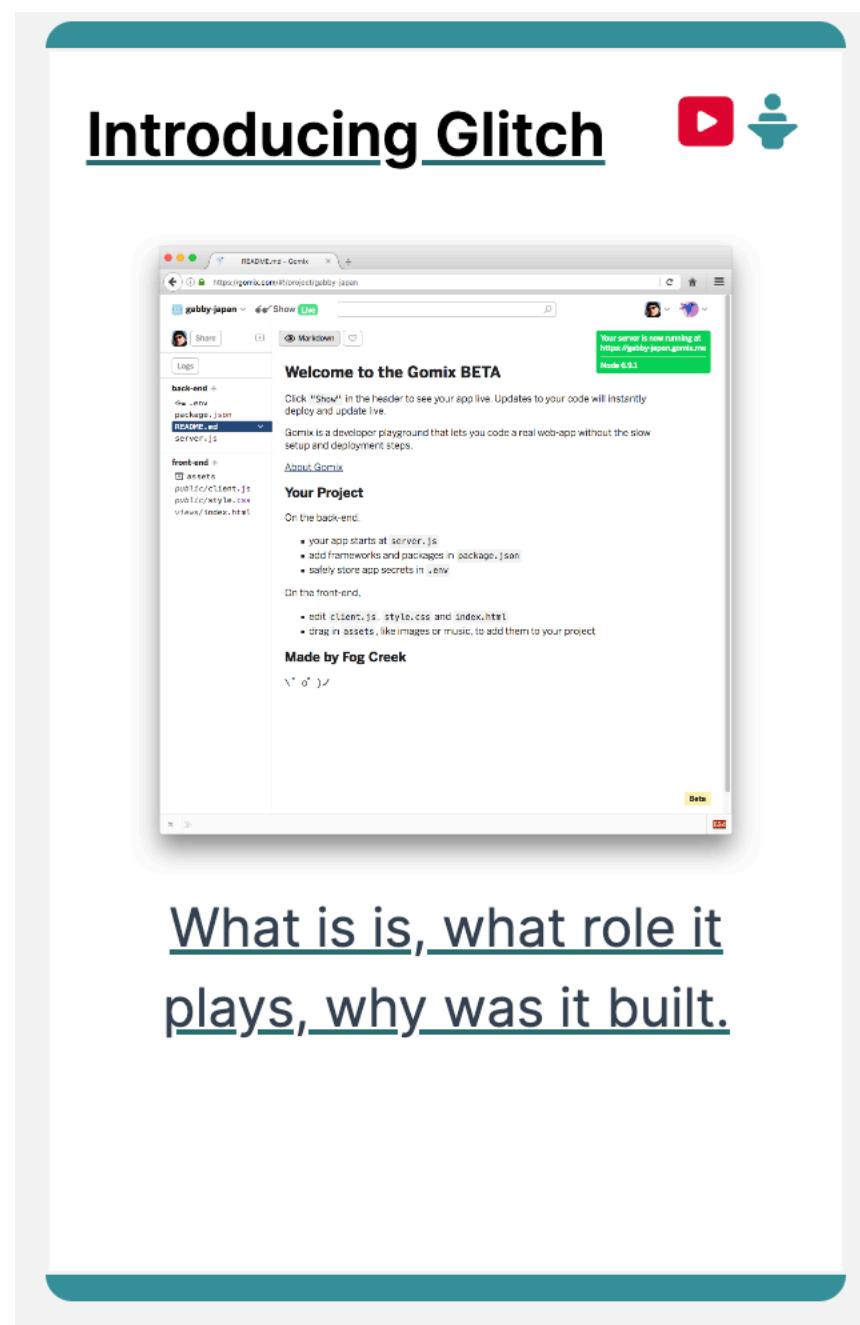
A small cartoon dog icon is positioned near the bottom right of the code editor.

**Logs:** Below the code editor is a log viewer with the following entries:

Time	Message
8:37 AM	{ message: 'glitch-template-1 started on port 3000', level: 'info', label: 'Playlist' }
a few seconds ago	
8:42 AM	Jump To /app/models/todo-list-store.js:16
8:42 AM	addTodo(todo), {
8:42 AM	^
8:42 AM	SyntaxError: Unexpected token ,
8:42 AM	at Module._compile (internal/modules/cjs/loader.js:723:23)
8:42 AM	at Object.Module._extensions..js (internal/modules/cjs/loader.js:789:10)
8:42 AM	at Module.load (internal/modules/cjs/loader.js:653:32)
8:42 AM	at tryModuleLoad (internal/modules/cjs/loader.js:593:12)
8:42 AM	at Function.Module._load (internal/modules/cjs/loader.js:585:3)
8:42 AM	at Module.require (internal/modules/cjs/loader.js:692:17)
8:42 AM	at require (internal/modules/cjs/helpers.js:25:18)
8:42 AM	Jump To at Object.<anonymous> (/app/controllers/dashboard.js:4:23)
8:42 AM	at Module._compile (internal/modules/cjs/loader.js:778:30)
8:42 AM	at Object.Module._extensions..js (internal/modules/cjs/loader.js:789:10)

**Bottom Navigation:** Status, Logs, Terminal, Tools, Preview.

# Introducing Glitch



What is it, what role it plays, why was it built.