

Introducing Glitch

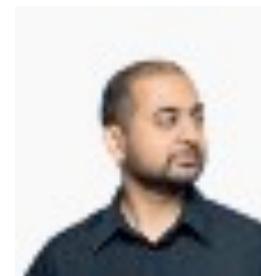


What is it, what role it plays, why was it built.

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.”



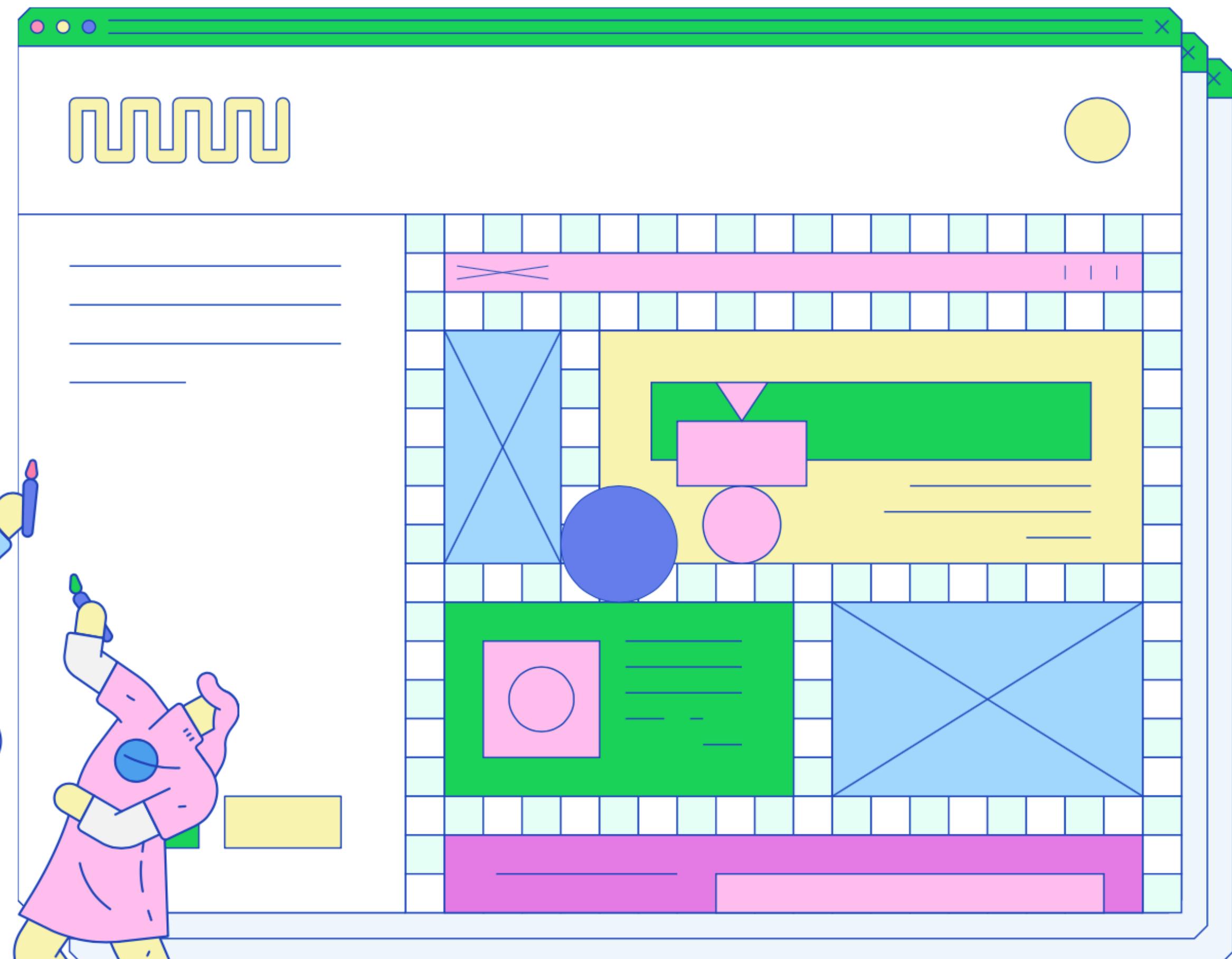
Anil Dash, December 6, 2016

<https://glitch.com>

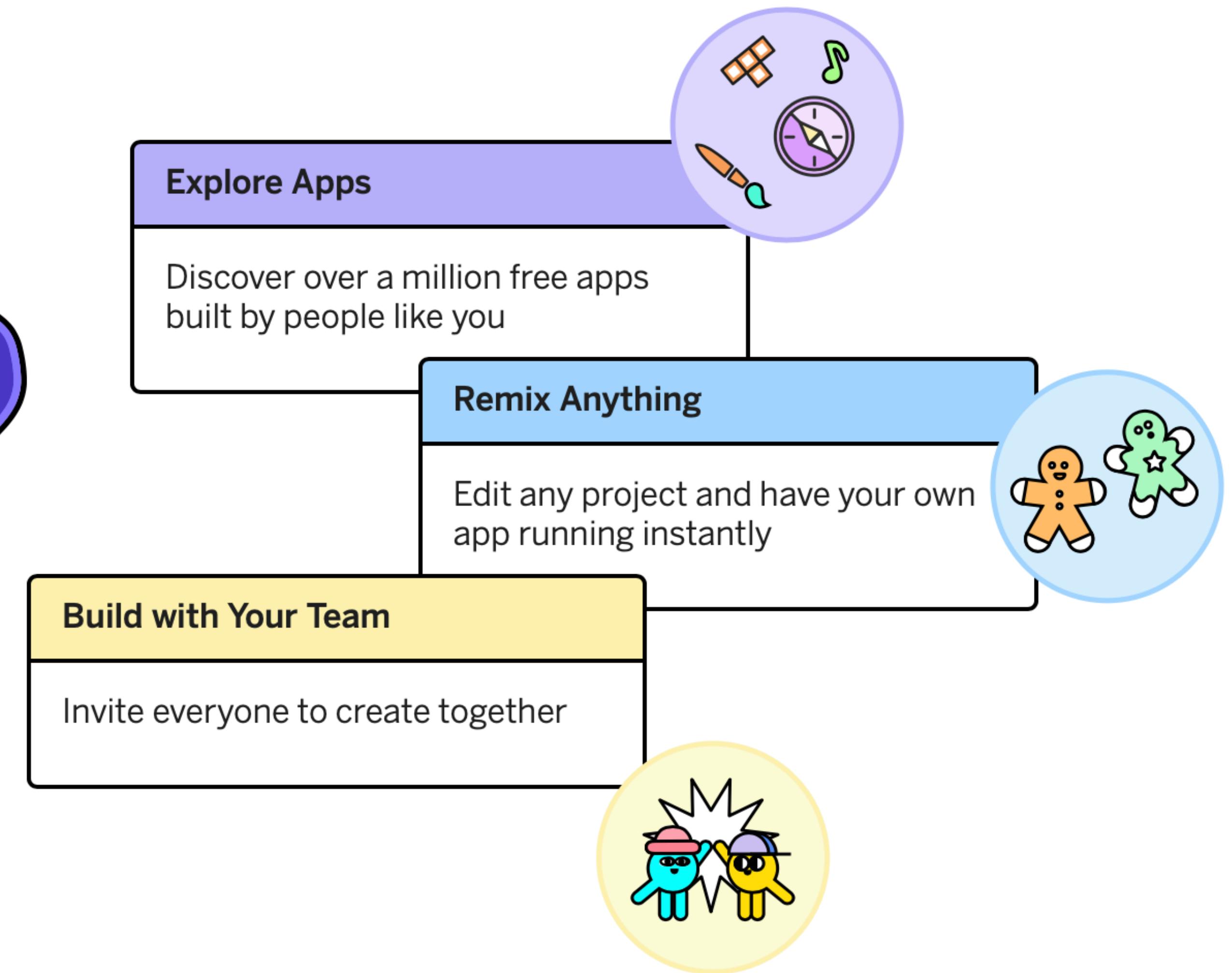
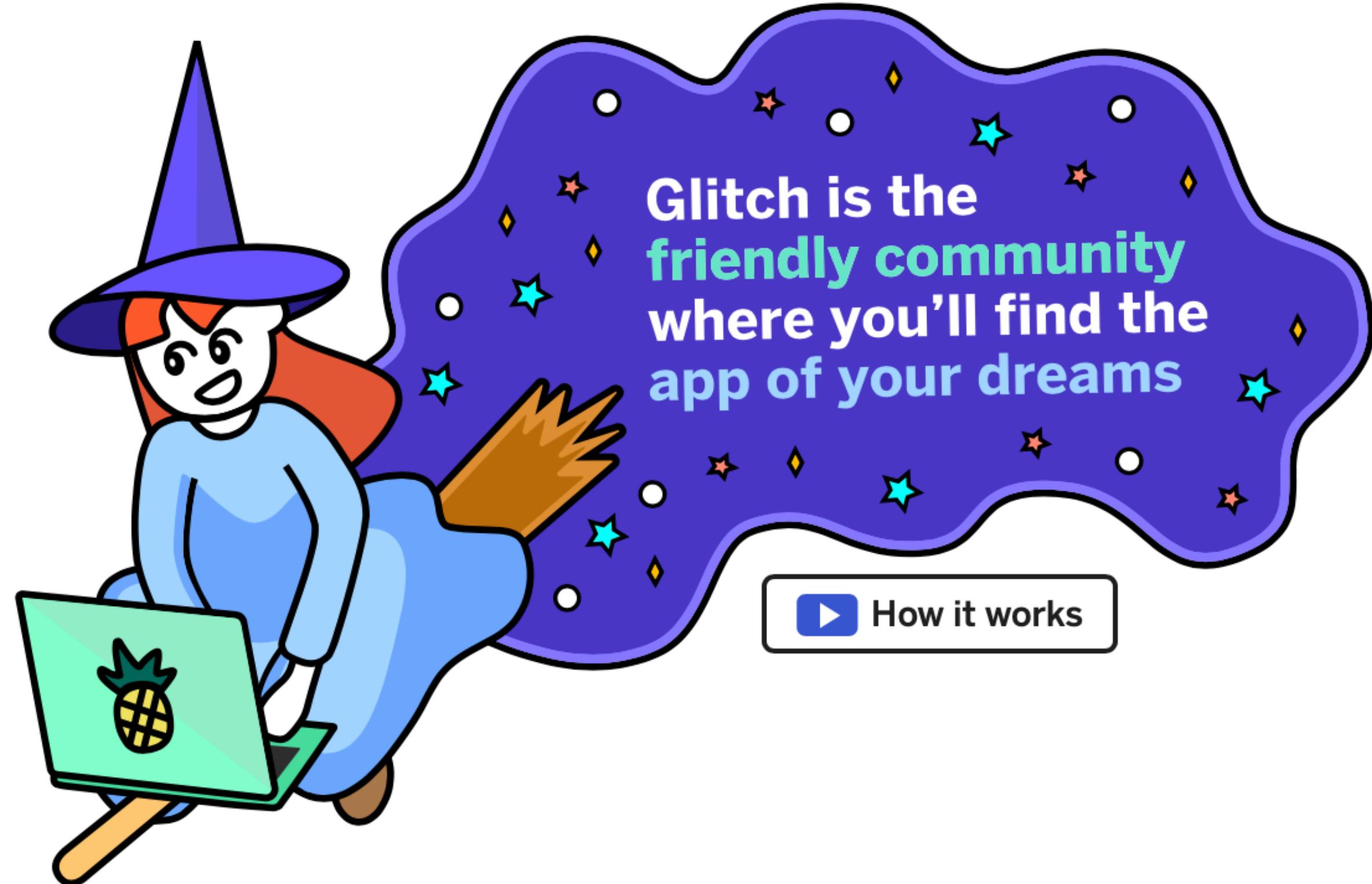
Glitch is the friendly community where everyone codes together

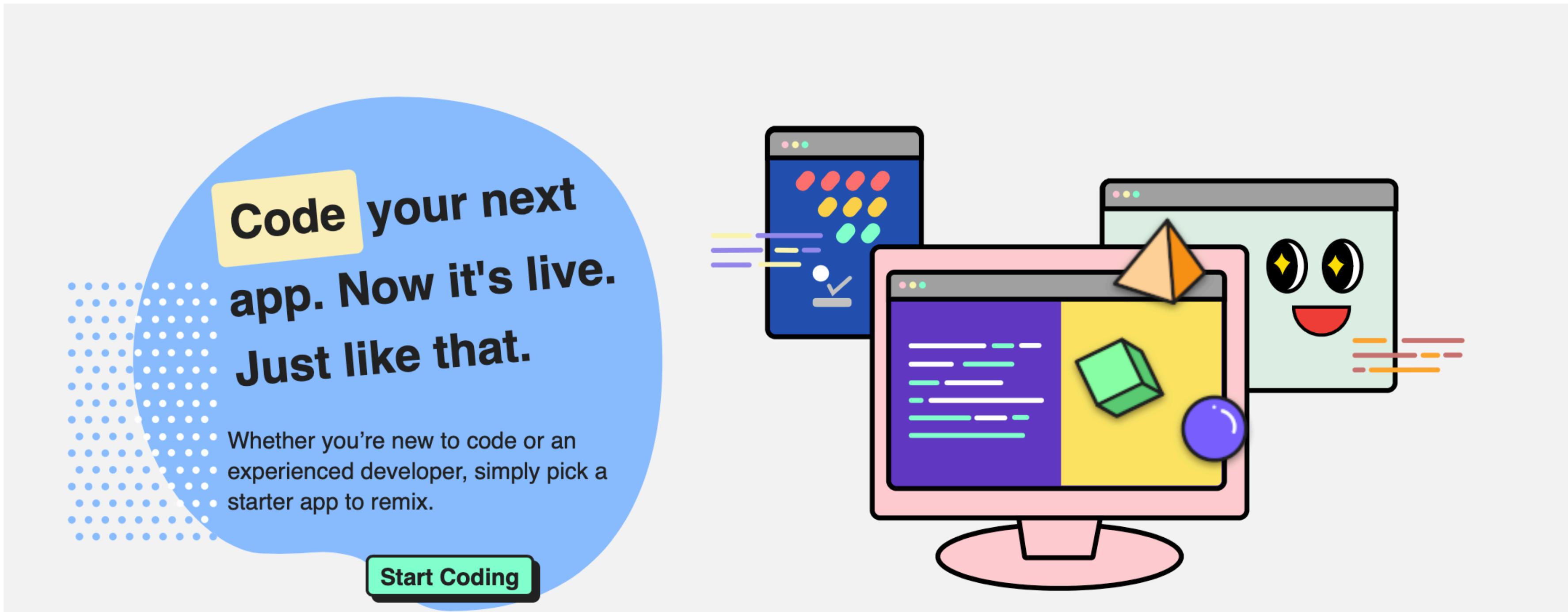
Build fast, full-stack web apps in your browser.

Join Glitch, it's free!



Go from idea to code in seconds. [Try the editor](#)





Code your next app. Now it's live. Just like that.

- Whether you're new to code or an experienced developer, simply pick a starter app to remix.

Start Coding

Okay sure, but how?

Glitch is a collaborative programming environment that lives in your browser and deploys code as you type.

Use Glitch to build anything from a good ol' static webpage to full-stack Node apps.

The screenshot shows the Glitch web interface. On the left, the file tree displays files like assets, .gitignore, LICENSE, README.md, index.html (which is selected), script.js, and style.css. The main area shows the code for index.html:

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" href="/style.css" />
    <!-- import the webpage's javascript file -->
    <script src="/script.js" defer></script>
  </head>
  <body>
    <!-- the wrapper and content divs set margins and positioning -->
    <div class="wrapper">
      <div class="content" role="main">
        <!-- this is the start of content for our page -->
        <h1>Hello World!</h1>
        
      </div>
    </div>
    <!-- the footer holds our remix button - you can use it for structure or cut . -->
    <footer>
      <div class="links"></div>
      <a class="btn--remix" href="https://glitch.com/edit/#/remix/glitch-hello-website" target="_top">
        Remix on Glitch
      </a>
    </footer>
  </body>
</html>
```

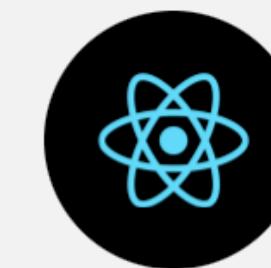
The preview window on the right shows a green "Hello World!" page with a small illustration of a screen with colorful dots.

Starters for all developers

You never have to start from scratch: Just start remixing an existing starter app, or [clone a project from services like GitHub and GitLab](#) to experiment and deploy on Glitch.

Framework Starters

Build off the most popular JavaScript frameworks.



React

[Remix React Starter](#)



Nuxt

[Remix Nuxt Starter](#)



Vue

[Remix Vue Starter](#)



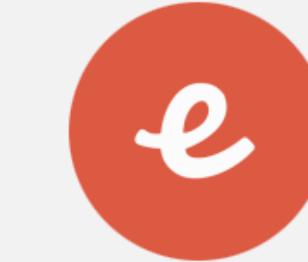
Angular

[Remix Angular Starter](#)



Svelte

[Remix Svelte Starter](#)



Ember

[Remix Ember Starter](#)

Platform Starters

Your favorite companies use Glitch to share apps that get you up and running with their APIs.



Slack

Build apps for Slack! - A collection of Slack app examples maintained by Slack Developer Relations team



Trello

Start building with Trello. Create your own awesome Power-Ups and apps using Trello's platform and APIs!



A-Frame

Build virtual reality (WebVR) experiences. Learn more at <https://aframe.io>



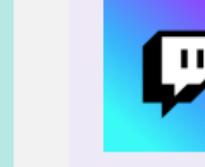
Spotify

Music, meet code. Use Spotify's APIs, SDKs, and widgets to build simple and advanced apps.



Material Design

Make beautiful products, faster. material.io



TwitchDev

Code samples and projects for Twitch Extensions, API, and other integrations.

Code together

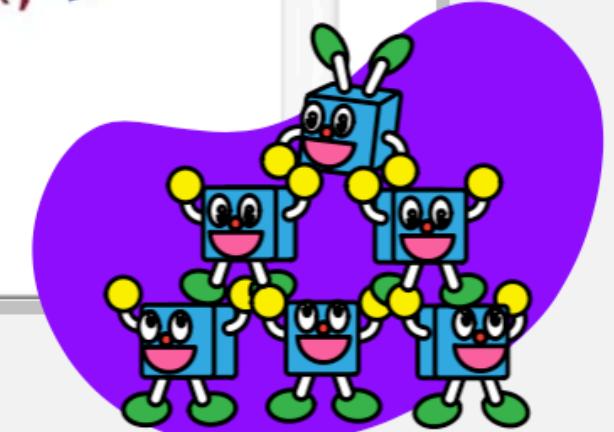
Invite friends to work with you on public or private projects. Anyone with a browser can jump in and pick up where you left off, and private .env files keep secrets like API keys, well, secret.

mother-of-all-demo Show index.html

Share New File assets .env README.md index.html styles.css

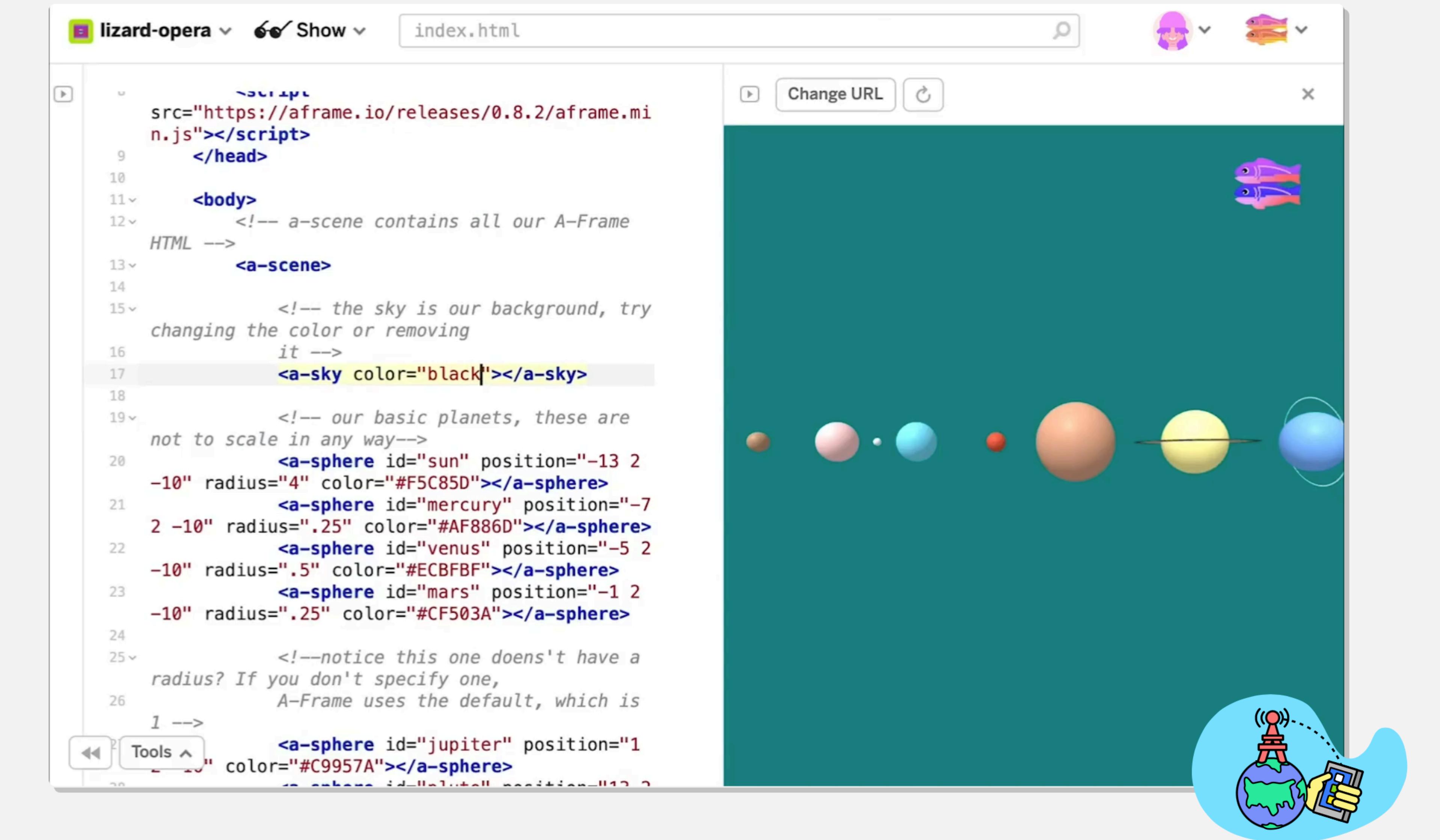
```
1 <html>
2
3 <head>
4   <title>Check this out</title>
5 </head>
6
7 <body>
8   <div class="section">
9     <h3>
10       The Mother of All Demos</h3>
11     <!-- TODO: Add YouTube Demo -->
12
13     <h3>
14       Notes
15     </h3>
16     <p> Create the best stuff on the web
17     </p>
18     <p>
19       From your friends at</p>
20     </p>
21   </div>
22
23
24
25   <!-- include the Glitch button to show what the webpage is about and
26       to make it easier for folks to view source and remix -->
27   <div class="glitchButton" style="position:fixed;top:20px;right:20px;">
28     <script src="https://button.glitch.me/button.js"></script>
29
30 </body>
31
```

Tools



Your app is live, instantly

There's no deployment setup—as soon as you create a new project, your Glitch app is live with its own URL (or your custom domain!). Share or embed anywhere, and invite anyone to check out your code or remix it.



The screenshot shows the Glitch web interface. On the left, the code editor displays an `index.html` file containing A-Frame (aframe.js) code. The code defines a scene with various celestial bodies: the sun, Mercury, Venus, Earth, Mars, Jupiter, and Saturn. The sun is a large orange sphere at position `-13 2 -10`. Mercury, Venus, and Earth are smaller spheres positioned along the `x`-axis. Mars is a small red sphere at `-1 2 -10`. Jupiter is a large blue sphere at `1 0 0`, and Saturn is a large yellow sphere with a ring at `2 0 0`. The code also includes comments explaining the basic structure and styling of the planets. On the right, the preview window shows the 3D rendering of the solar system against a dark teal background. A circular icon in the bottom right corner features a globe with a signal tower and a hand holding a smartphone, symbolizing global reach and mobile deployment.

```
<script>
  src="https://aframe.io/releases/0.8.2/aframe.min.js"></script>
</head>

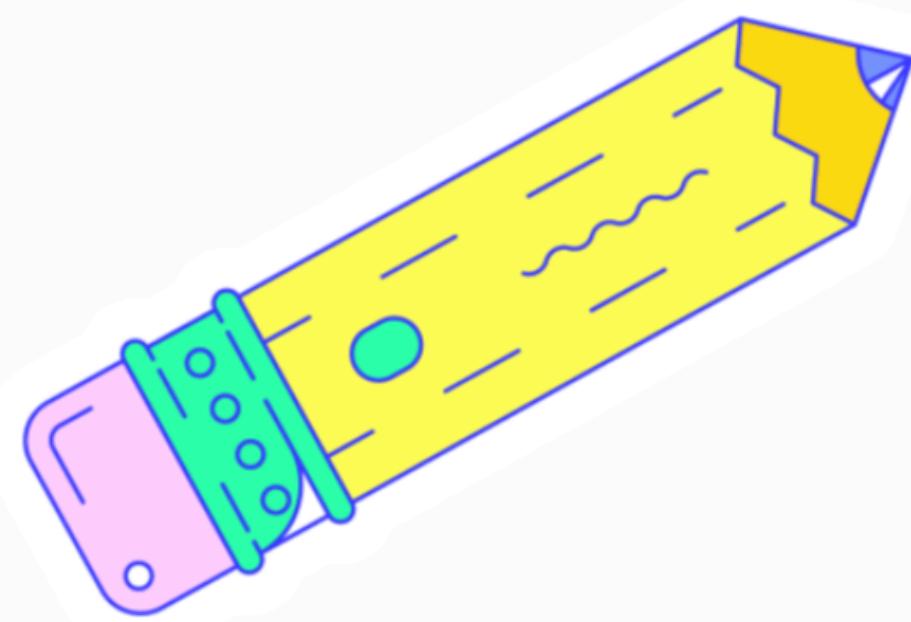
<body>
  <!-- a-scene contains all our A-Frame
  HTML -->
<a-scene>

  <!-- the sky is our background, try
  changing the color or removing
  it -->
<a-sky color="black"></a-sky>

  <!-- our basic planets, these are
  not to scale in any way-->
<a-sphere id="sun" position="-13 2
-10" radius="4" color="#F5C85D"></a-sphere>
<a-sphere id="mercury" position="-7
2 -10" radius=".25" color="#AF886D"></a-sphere>
<a-sphere id="venus" position="-5 2
-10" radius=".5" color="#ECBFBF"></a-sphere>
<a-sphere id="mars" position="-1 2
-10" radius=".25" color="#CF503A"></a-sphere>

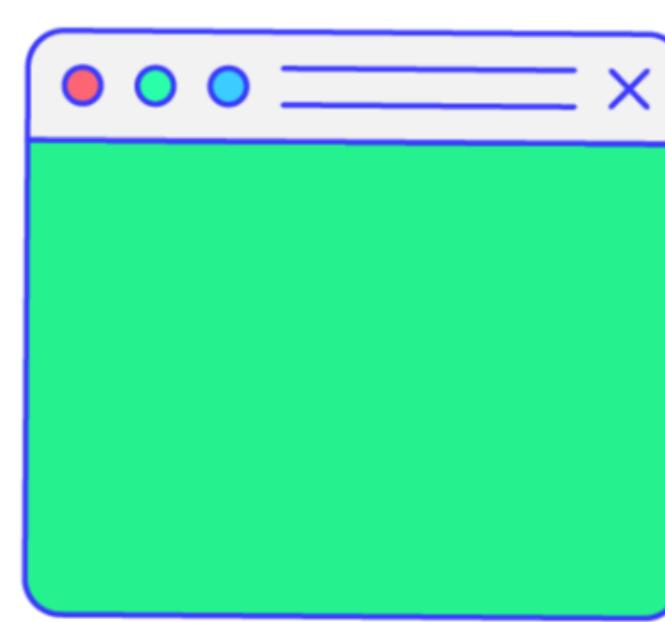
  <!--notice this one doesn't have a
  radius? If you don't specify one,
  A-Frame uses the default, which is
  1 -->
<a-sphere id="jupiter" position="1
0 0" color="#C9957A"></a-sphere>
<a-sphere id="saturn" position="2
0 0" color="#E0E0FF"></a-sphere>
```

<https://help.glitch.com/home>



Getting Started

See how to set up an account and start creating!



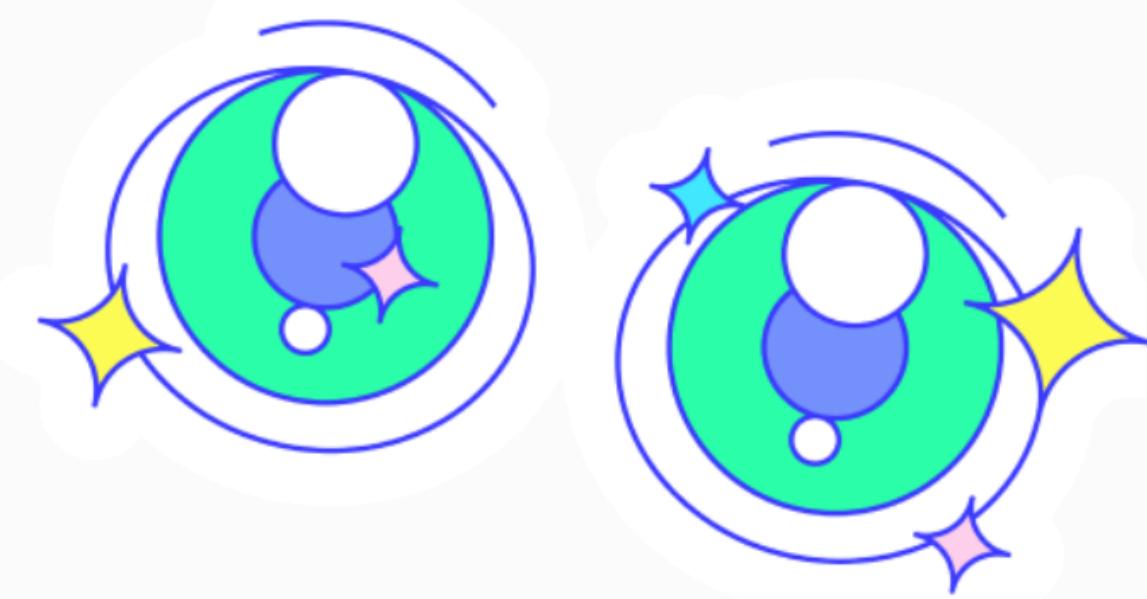
Project Editor

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



Importing & Exporting

All about how Glitch works with git!



Projects

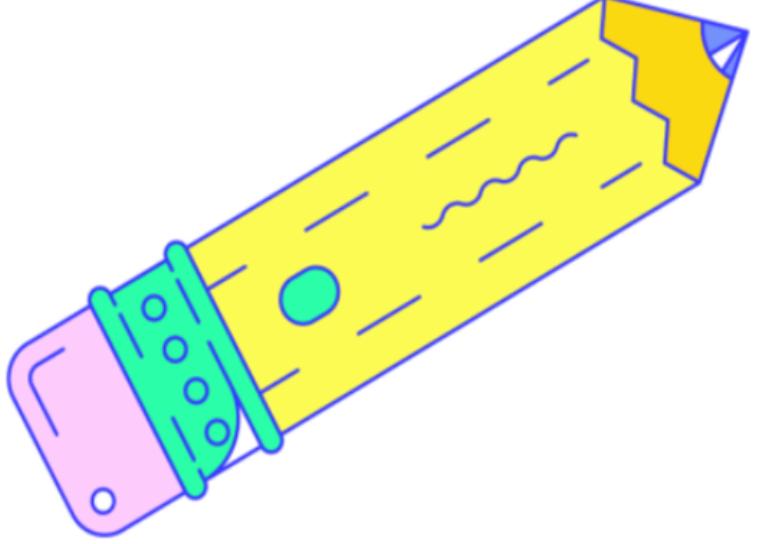
Learn about general project options!

Sharing

Find ways to share and collaborate on projects!

Troubleshooting

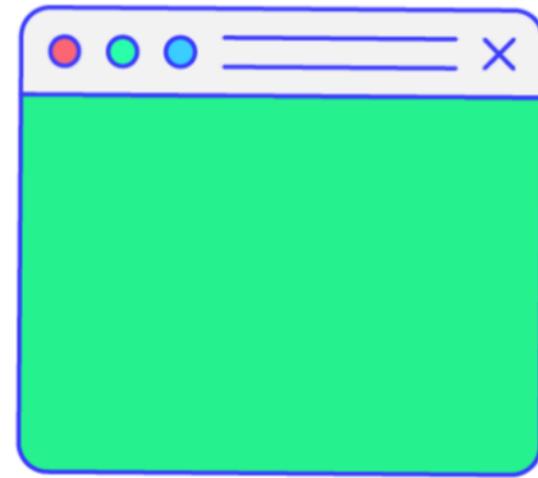
Is something not working right? Look for a solution here!



Getting Started

See how to set up an account and start creating!

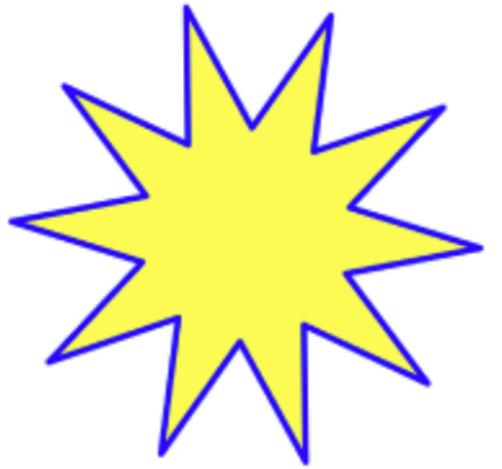
- ◆ How do I create an account on Glitch?
- ◆ How much does Glitch cost?
- ◆ What's remix?
- ◆ What's My Stuff?
- ◆ How do I customize my Glitch profile?
- ◆ How do I best present my project on Glitch?
- ◆ Why can I trust building projects on Glitch?
- ◆ How do I move my project from Thimble to Glitch?
- ◆ What types of apps can I make on Glitch?
- ◆ How can I discover cool things made on Glitch?
- ◆ What are collections?
- ◆ How can I login to Glitch?
- ◆ What are the supported browsers for Glitch?
- ◆ What inspired Glitch?
- ◆ What are the differences between Glitch and Thimble?
- ◆ Glitch Pro! What's that?



Project Editor

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

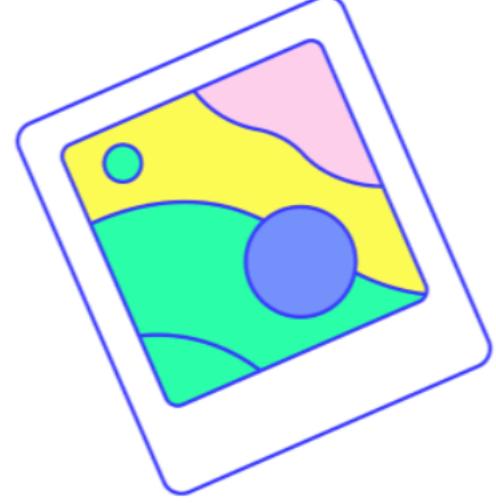
- ◆ What languages and frameworks are supported?
- ◆ Can I change the version of node.js my project uses?
- ◆ Can I turn off (or on) automatic refreshing of the app preview when I ...
- ◆ Do you have built-in persistence or a database?
- ◆ How do I add assets like audio, images or videos to my projects?
- ◆ How do I edit a project's README.md file?
- ◆ How do I store secrets, credentials or private data?
- ◆ Is there a dark theme and how do I use it?
- ◆ What environment variables are available in a project?
- ◆ Will Glitch clean up my code formatting?
- ◆ The sidebar in the project editor is missing! How do I get it back?
- ◆ Aww, don't make me scroll horizontally! Can't the code just wrap?
- ◆ Can I change which files cause my app to restart?
- ◆ Do I need these server-side files?
- ◆ How do I add an npm module or package to my project?
- ◆ How do I add, upload, rename, delete or copy a file?
- ◆ How do I roll back changes with Rewind?
- ◆ How do I use the Debugger?
- ◆ I've got mad skillz, I need a terminal / command line / console.
- ◆ What keyboard shortcuts are available?
- ◆ How do I remove a custom domain from my project?



Importing & Exporting

All about how Glitch works with git!

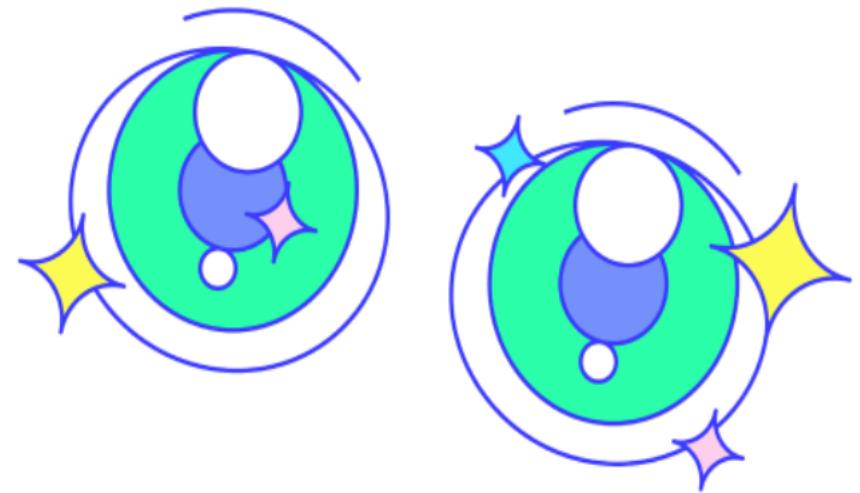
- ◊ Can I export my project to GitHub?
- ◊ How can I download or backup my Glitch project?
- ◊ How do I sync a Glitch project with a git repo on GitLab?
- ◊ Can I import code from a GitHub repository?
- ◊ How do I push code that I created locally to my project on Glitch?



Projects

Learn about general project options!

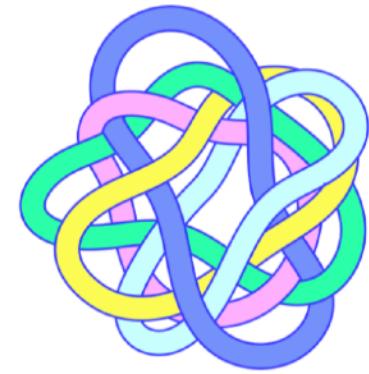
- ❖ Can I reuse the name of a project that has been archived or suspend...
- ❖ How do I add a custom domain, a CNAME, or A record for my custom...
- ❖ How do I archive or un-archive a project on Glitch?
- ❖ How do I change my project's options like its name, description and a...
- ❖ I noticed a "glitch" entry in the React and Eleventy starter projects' pa...
- ❖ What happened to the basic starter projects that used to be available...
- ❖ What is Eleventy (11ty) and how can I use it on Glitch?
- ❖ Where can I find a list of all my Glitch projects?
- ❖ Can I share a private project with folks that don't subscribe to Glitch ...
- ❖ How do I add a license to my Glitch project?
- ❖ How do I change a project's owner?
- ❖ How do I deploy my Glitch project to Firebase Hosting?
- ❖ What are the technical restrictions for Glitch projects?
- ❖ What is a React static site generator and how can I use it on Glitch?
- ❖ What's the deal with Project Hours?
- ❖ Who can see the assets in my project?



Sharing

Find ways to share and collaborate on projects!

- ◆ Can I embed my Glitch project on my blog, docs or website?
- ◆ How do I add a GitHub import button to my readme?
- ◆ How do I add the Glitch button in my project?
- ◆ How do I configure a Remix so my users can get started in one click?
- ◆ How do I embed a Glitch app on Medium?
- ◆ How do I invite collaborators to edit my project?
- ◆ How can I customize a Glitch app embed?
- ◆ How do I add a Remix button to my app or docs?
- ◆ How do I change a team's admin?
- ◆ How do I delete a team?
- ◆ How do I find the URL for my app?



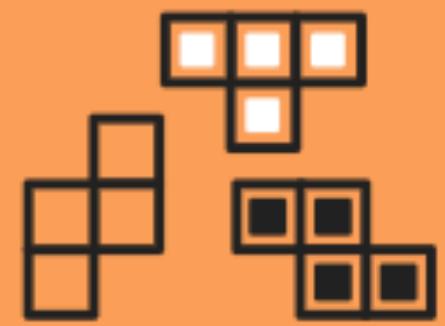
Troubleshooting

Is something not working right? Look for a solution here!

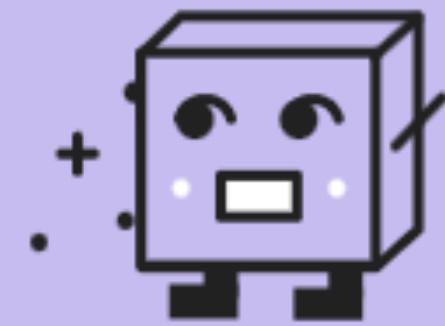
- ◆ How do I get help when I'm stuck?
- ◆ WAT! Why is my project not running?
- ◆ I can't edit my project! It just refreshes and doesn't save any changes.
- ◆ Files that I created or edited via the terminal or with code aren't appearing in the file tree.
- ◆ I am receiving a database error when trying to connect to GitHub. What's going on?
- ◆ I'm getting the error 'Check /app/package.json: command not found. ...' when I run 'glitch'. What's wrong?
- ◆ I'm seeing 'Starting inspector on localhost:9200 failed: address not available' when I try to open the debugger. What's up?
- ◆ Oh no! I've opened the Debugger but I don't see my code.
- ◆ The custom domain that I set up with Cloudflare now says 'Not Found'.
- ◆ How do I change the email for my Glitch account?
- ◆ How do I close my Glitch account?
- ◆ How do I preserve logs that are lost when my app restarts?
- ◆ I am a member of a private app but I can't see it. What can I do?
- ◆ My project is missing code! Can you give me a backup?
- ◆ My project is stuck in an install loop! What can I do?
- ◆ How long does it take Glitch Support to respond to messages?
- ◆ OMG, the whole world can see my project's code! Can I make it private?
- ◆ Why can't I see some of my files in the file tree?
- ◆ I am seeing an Internal Server Error when trying to login to my account.
- ◆ Are there any known issues caused by browser plugins?
- ◆ I'm seeing 'node: --inspect=localhost:9200 is not allowed in NODE_OPTIONS' when I try to start the debugger. What's the deal?
- ◆ I want to use the Debugger, but it's not working. Why has it forsaken me?
- ◆ After clicking Debugger, I get the "Debugger ready" message but nothing happens.
- ◆ I forgot my password! Now what?
- ◆ How do I change the password for my Glitch account?
- ◆ I'm getting the error, "this custom domain is already registered". How do I fix this?
- ◆ Why can't I use the Preview Next to Code option when working on a project?
- ◆ How do I reduce the disk space that my project is using?
- ◆ Why is my generated static site using project hours?

Looking for some inspiration?

...browse through even more starters and community apps.



Games



Bots



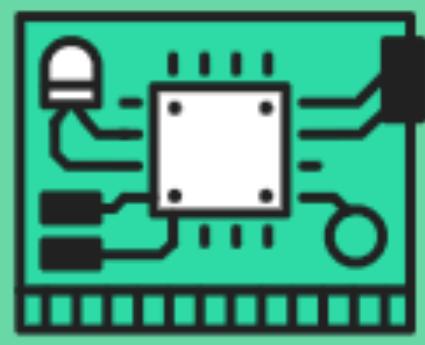
Music



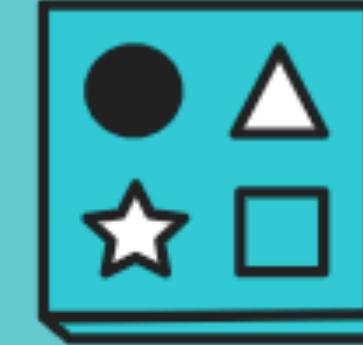
Art



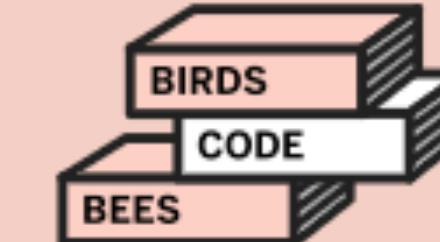
Productivity



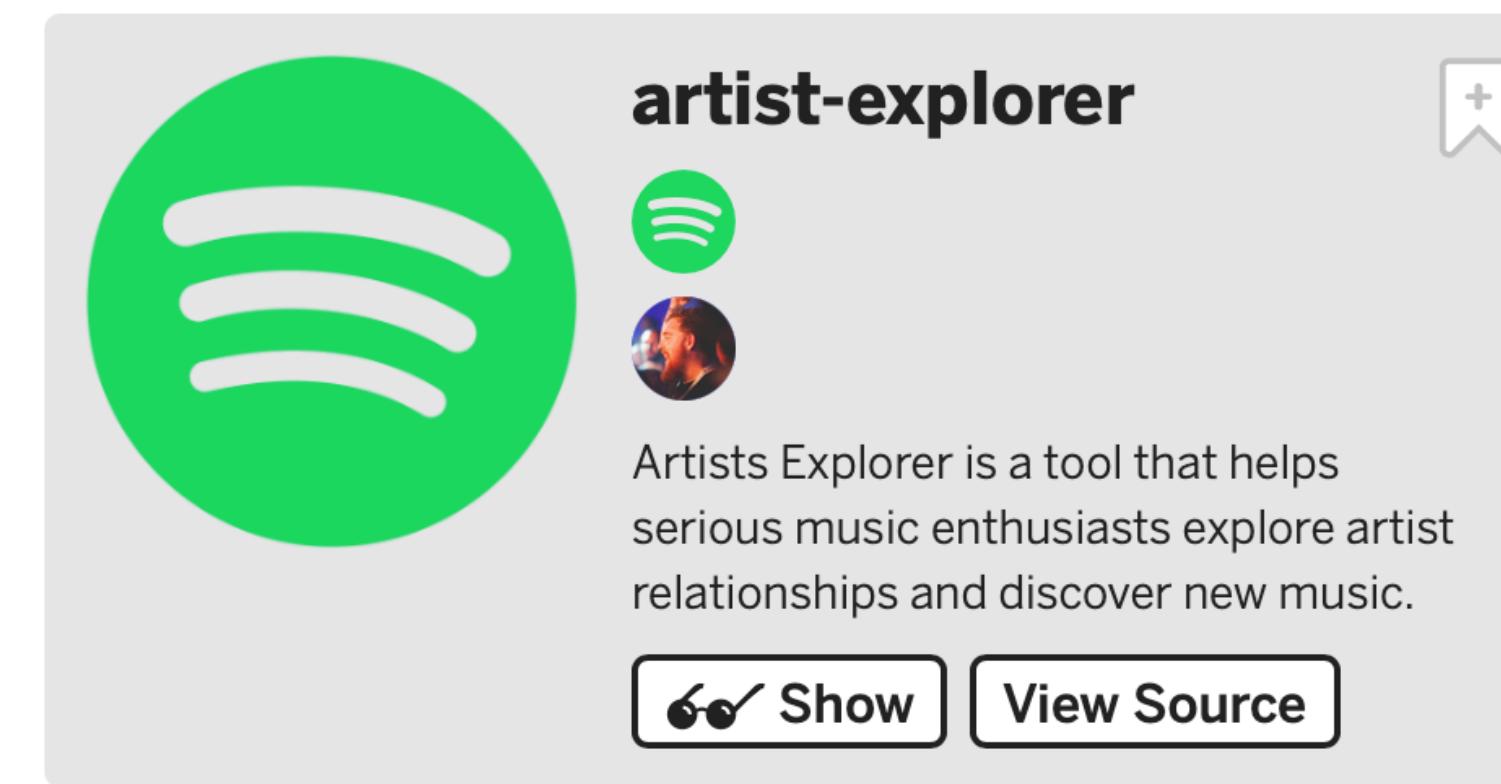
Hardware



Building Blocks



Learn to Code



ARTIST EXPLORER

Search for an Artist Search for a Genre

CREATE PLAYLIST

 Elvis Presley

 The Righteous Brothers

 The Everly Brothers

 Bobby Darin

Configuration

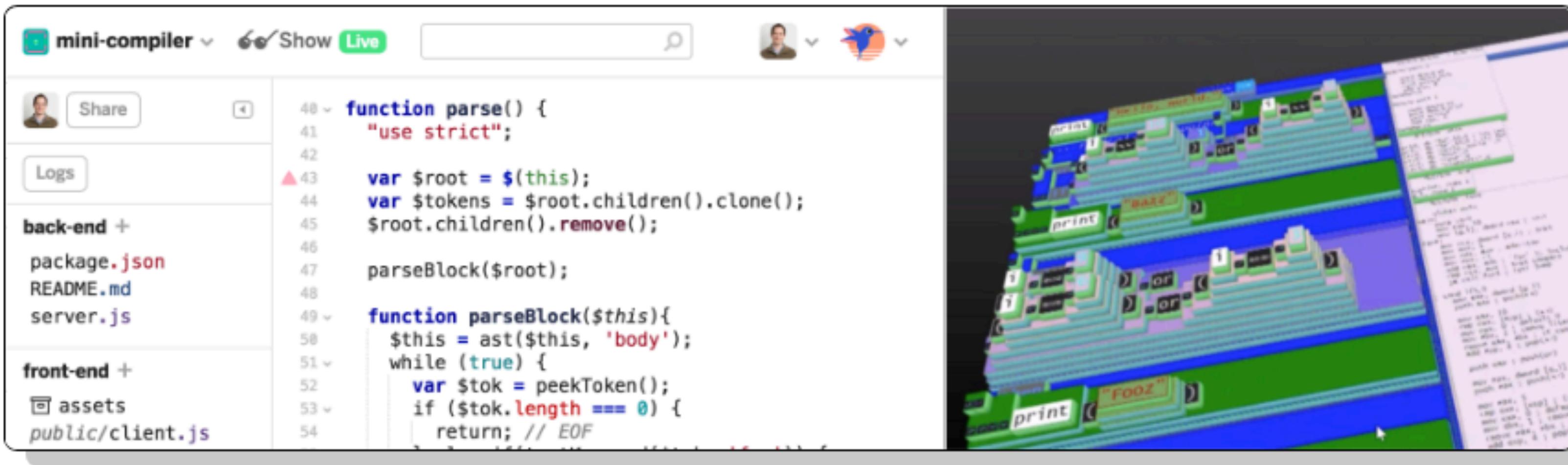
Volume: Max #artists to expand: Expand already explored artists:

Help

- Click on an artist to see related artists.
- Hover over an artist to hear a sample of their music.
- Enter an artist name or a genre and explore relationships between over 2,000,000 artists on Spotify.
- Log In and press "Create Playlist" button to create a random playlist of top tracks of all the artists that are visible in the relationship tree

Share View Source     Add to Collection 

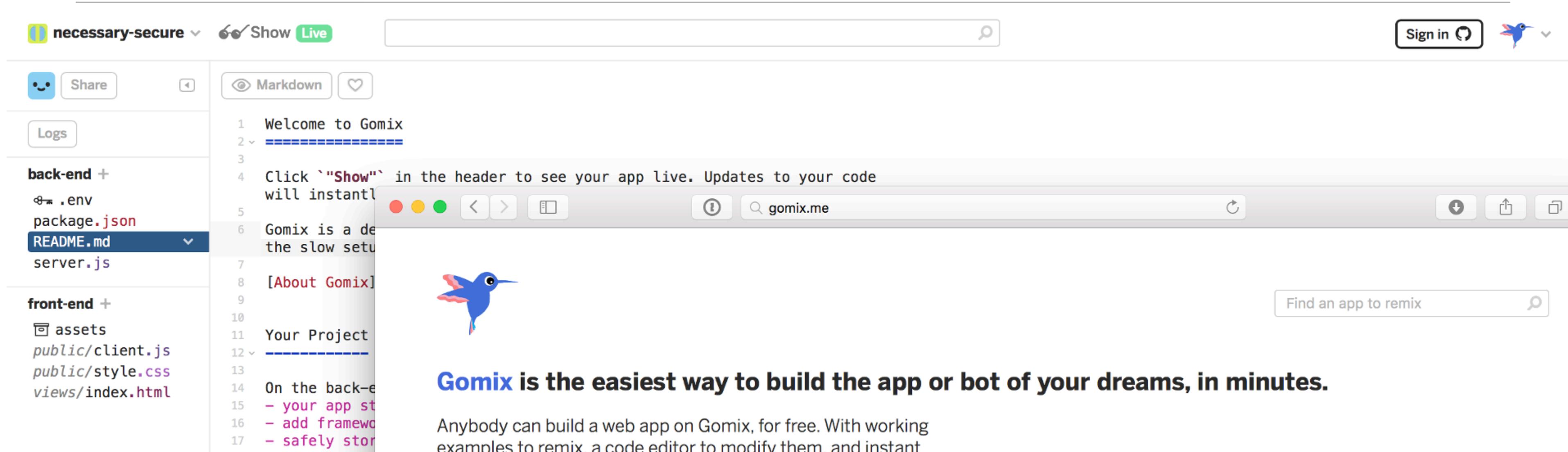
It's fun, but it's not a toy



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.

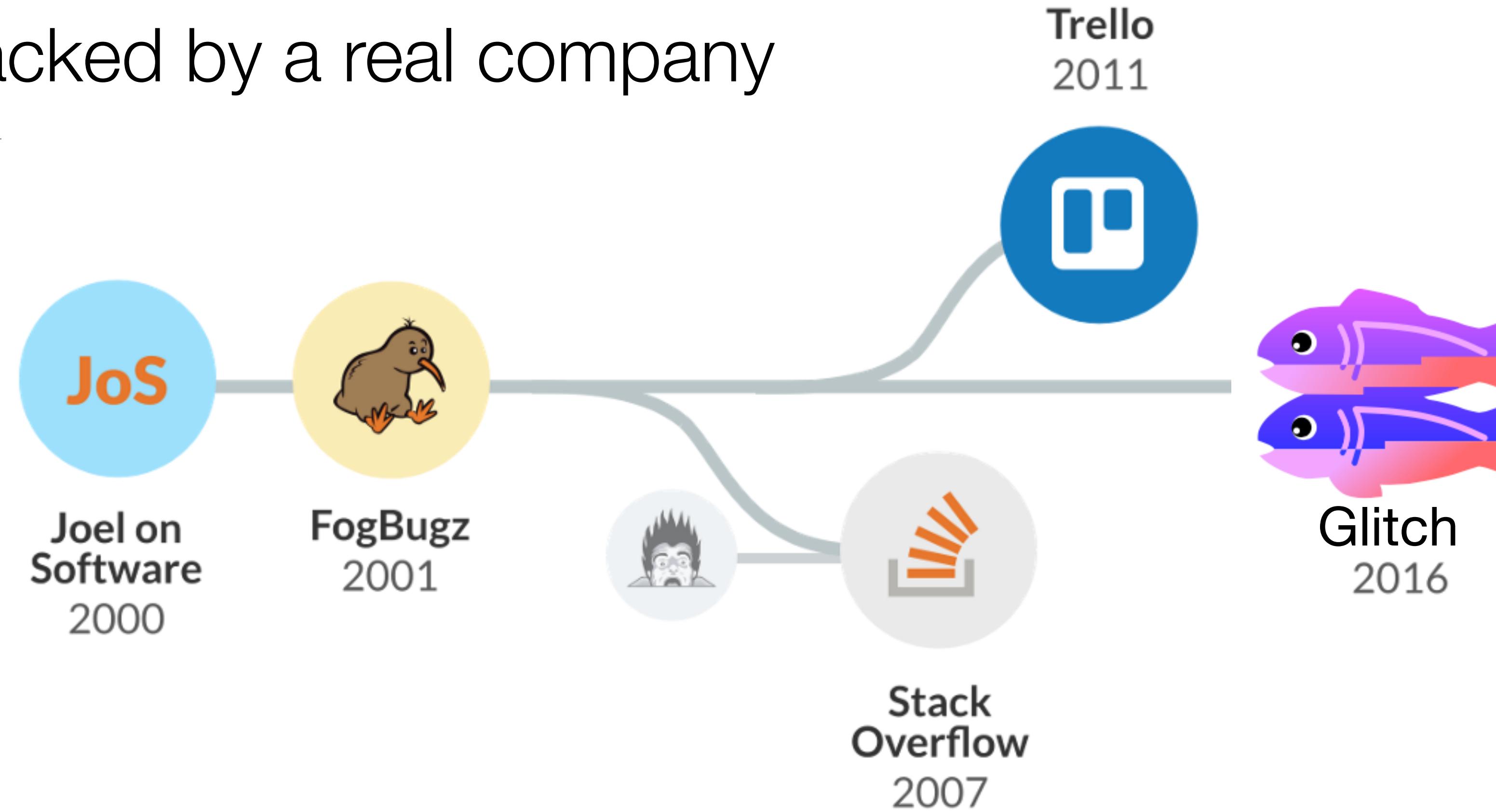
While you work with Glitch, we seamlessly upgrade your servers in the background. There's no deployment or server provisioning - it all happens automatically.

Glitch handles the mess



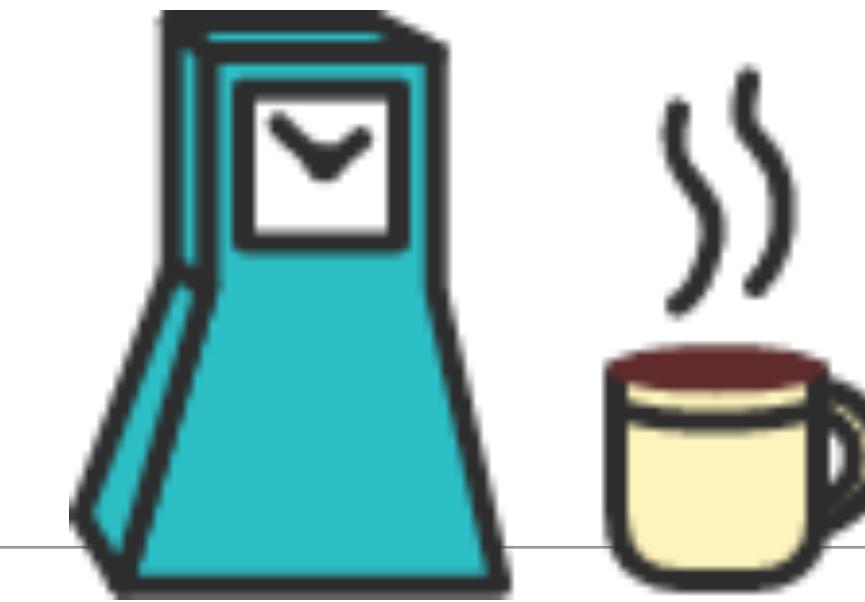
- While you work with Glitch, it will seamlessly upgrade your servers and cloud infrastructure in the background.
- There's no deployment or server provisioning because it all happens automatically.

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



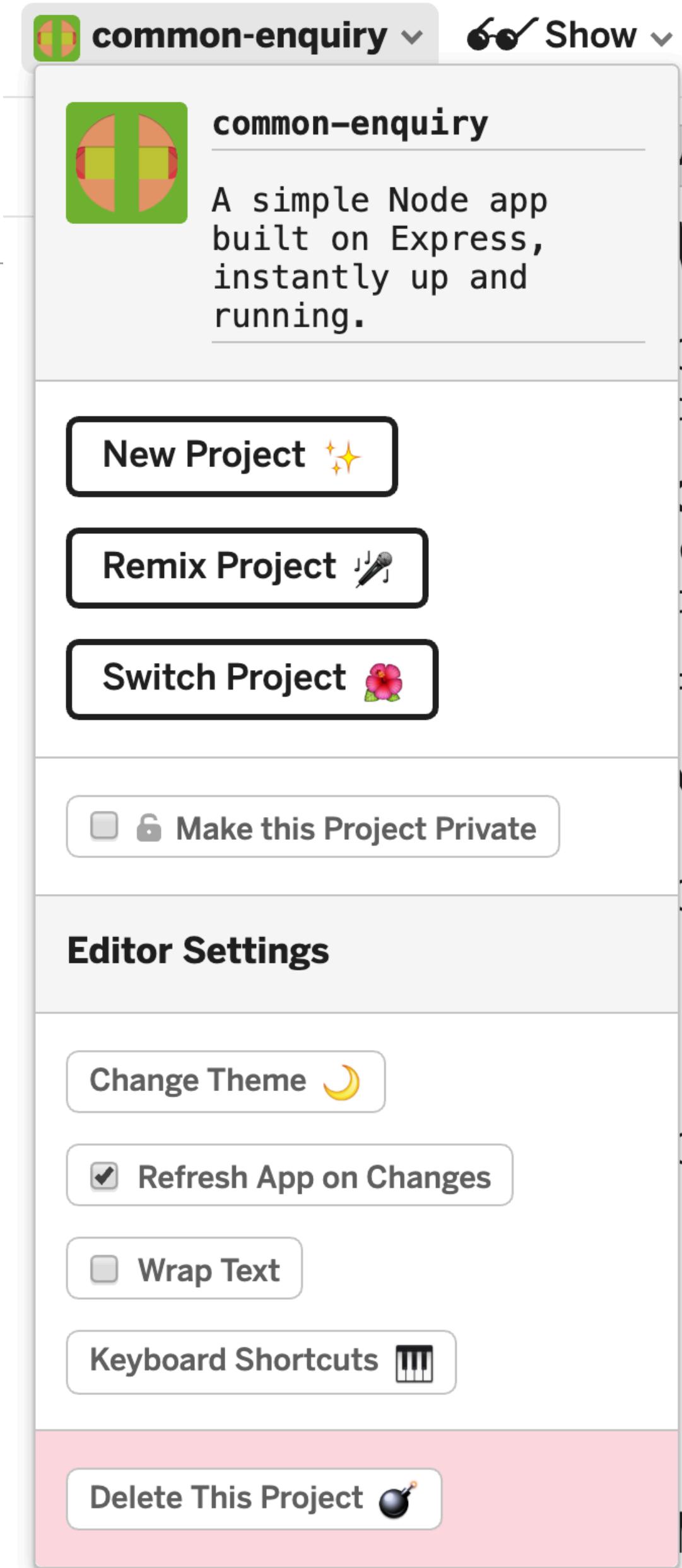
In some ways, Glitch is a throwback to an older era of software or the internet, when there were simpler ways to get started making cool stuff.

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)

< **Git, Import, Export** 

Every Glitch project is also a Git repo

Read **Write**

<https://api.glitch.com/gi> 

[Revoke repo access](#)

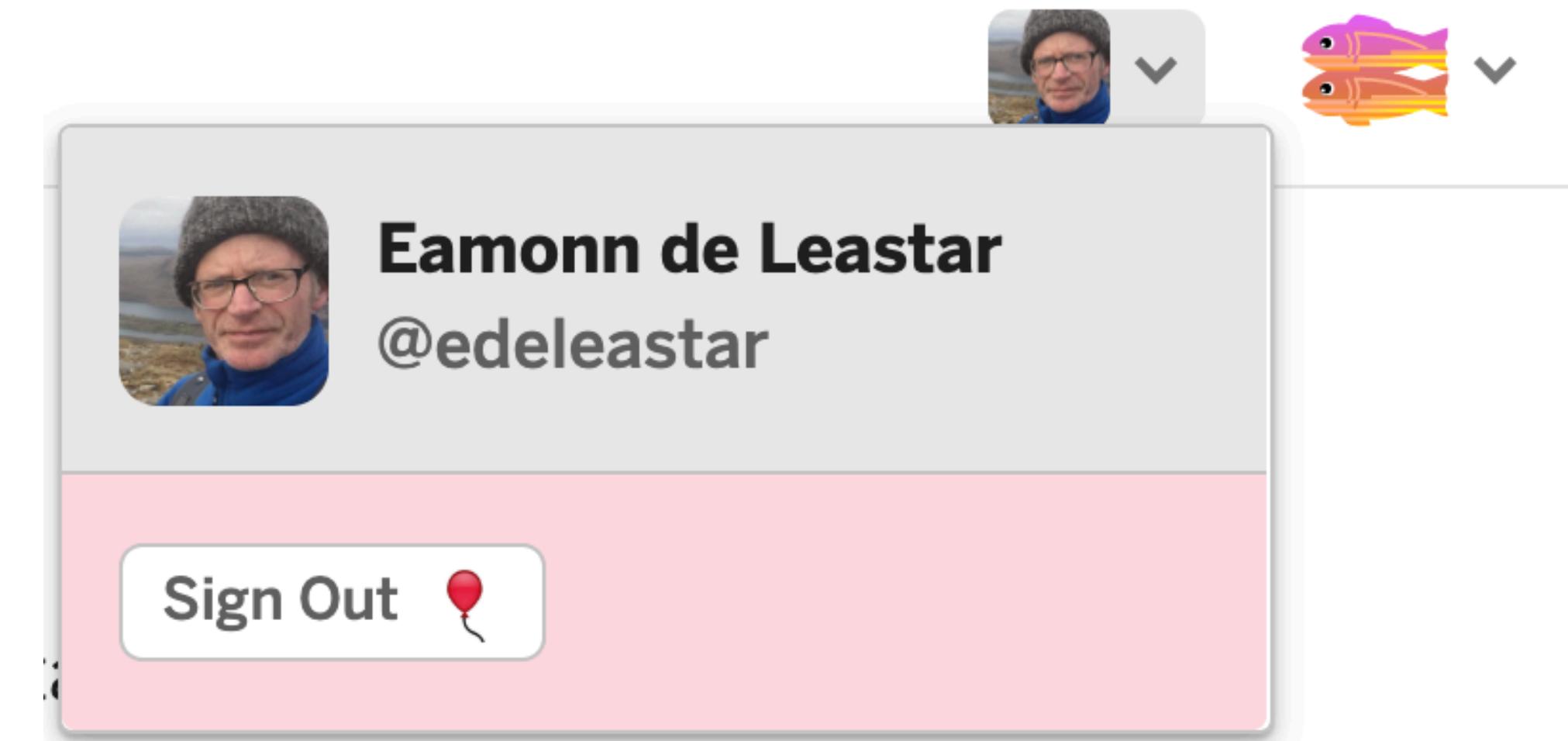
Import from GitHub 

Export to GitHub 

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 a browser-based code editor interface. At the top, there's a header with a profile picture, a 'common-enquiry' tab, a 'Show' button, and a search bar. Below the header, on the left, is a sidebar with file navigation buttons: 'Share', 'New File', and a list of files: assets, public/client.js, public/style.css, views/index.html, .env, README.md, package.json, and server.js (which is currently selected). On the right, the main area displays the contents of the server.js file:

```
// server.js
// where your node app starts
//
// init project
const express = require('express');
const app = express();
//
// we've started you off with Express,
// but feel free to use whatever libs or frameworks you'd like through `package.json`.
//
// http://expressjs.com/en/starter/static-files.html
app.use(express.static('public'));
//
// http://expressjs.com/en/starter/basic-routing.html
app.get('/', function(request, response) {
  response.sendFile(__dirname + '/views/index.html');
});
//
// listen for requests :
const listener = app.listen(process.env.PORT, function() {
  console.log('Your app is listening on port ' + listener.address().port);
});

```

At the bottom of the screen, there's a 'Logs' panel with tabs for 'Logs' (selected), 'Clear' (with a bomb icon), 'Debugger' (with a bug icon), and 'Console' (with a terminal icon). The 'Logs' tab shows the message: 'Your app is listening on port 3000'. In the bottom right corner of the main editor area, it says '4:29 PM'.

Logs

- Syntax errors in back-end javascript reported here.

The screenshot shows a code editor interface with a file named `server.js` open. The code is a basic Express.js application. A syntax error is highlighted at line 16, where the word `respon` is misspelled as `respons`. The editor has a dark theme with syntax highlighting. Below the code editor is a toolbar with buttons for Tools, Error, Logs, Clear, Debugger, and Console. The Logs tab is selected, showing a stack trace for a `SyntaxError: Unexpected identifier` that points to the misspelling in `server.js`. The timestamp on all logs is 4:35 PM.

```
// server.js
// where your node app starts
//
// init project
const express = require('express');
const app = express();

// we've started you off with Express,
// but feel free to use whatever libs or frameworks you'd like through `package.json`.
//
// http://expressjs.com/en/starter/static-files.html
app.use(express.static('public'));

// http://expressjs.com/en/starter/basic-routing.html
app.get('/', function(request, response) {
  response.sendFile(__dirname + '/views/index.html');
});

// listen for requests :
const listener = app.listen(process.env.PORT, function() {
  console.log('Your app is listening on port ' + listener.address().port);
});

SyntaxError: Unexpected identifier
    at createScript (vm.js:80:10)
    at Object.runInThisContext (vm.js:139:10)
    at Module._compile (module.js:617:28)
    at Object.Module._extensions..js (module.js:664:10)
    at Module.load (module.js:566:32)
    at tryModuleLoad (module.js:506:12)
    at Function.Module._load (module.js:498:3)
    at Function.Module.runMain (module.js:694:10)
    at startup (bootstrap_node.js:204:16)
    at bootstrap_node.js:625:3
```



Music

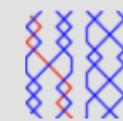
The sounds of music created, connected, visualized and remixed.

34 Projects



Curated by Glitch

Play



changeringing

Print and practice change ringing methods and touches



record-player

A computer vision enabled record player with Spotify and Google Vision



audiogram

a browser based version of NY Public Radio's audiogram



spotify-oauth

Easy authentication for Spotify



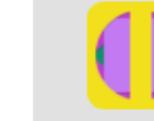
spotify-audio-features

Quickly search Spotify and visualise the audio features of any track



hypem-daily

Alexa Flash briefing daily top song from Hype Machine



scribbletune

Create music with JavaScript & Node.js



billboard-stats

Get stats from the billboard music charts



genius-lyrics

Search for song lyrics on Genius



itunes-search

Get data from the iTunes Search API



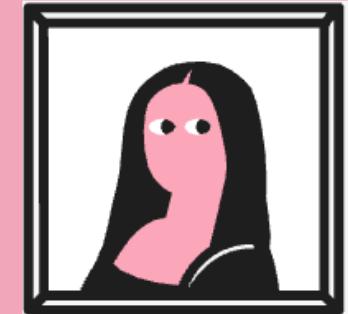
drum-machine

A simple drum machine that runs in the browser



meadow-city

Tone.js + A-Frame = generative sound in VR! 😊



Art

Weird, fun masterpieces from talented artists, and the tools to create your own.

55 Projects



Curated by Glitch

Play



retro-album-covers

A generative art sketch by
@mattdesl.



asc-paint

Ascii art painting program



magic-sketchpad

Draw things with machine learning!
(a magenta.js and SketchRNN magic
doodling pa...



pixelatize

Pixelate uploaded images



ascii-art

Library for ansi codes, figlet fonts,
ascii art and other ASCII graphics



paper-js

The Swiss Army Knife of Vector
Graphics Scripting



send-this-to-your-lover

A very romantic website (but it's not
for you, it's for your lover)



processing-js

A hypnotic processing.js sketch



three-js

A demo of three.js, an easy to use,
lightweight, 3D library



color-wander

Generative artwork based on a
seeded random



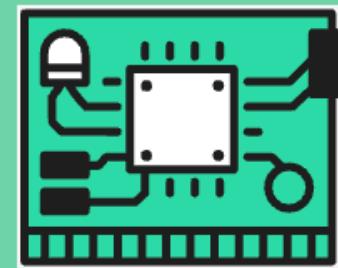
makecheckboxart

i hate forms so why not make art
with it lmao



drawing-game

Multi-player drawing game using
Socket.io



Hardware

Connect your gadgets and gizmos to the world – or your kitchen.

13 Projects



Curated by **Glitch**

Play



add-to-alexa

Alexa Flash Briefing API Skill sample



temboo

An example Temboo app using the Google geocoding choreo



google-home

An example Google Home agent app using [API.ai](#)



twilio-sms

Send SMS messages with Twilio



particle-api

Control an LED from a simple web page using the Particle API



alexa-skill

A full, working Alexa Skill that gets weather forecast info from [forecast.io](#)



conditional-ifttt-triggers

Trigger IFTTT when multiple conditions are met



multi-ifttt-triggers

Trigger multiple actions in IFTTT



littlebits-api

Control your CloudBit device from a simple web page using the littleBits API



zapier-webhooks

Send and receive Webhooks from Zapier



microbit-ble

Control Microbit using Web Bluetooth



mood-ring-light

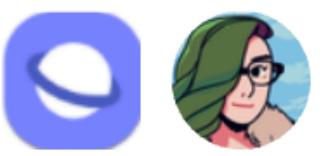
Turn your LIFX light into a mood ring based on your Slack emoji status



A simple json-storage optimized Node app with a SQLite database to hold app data...



A game about software design. It's team deliberation training meets Jackbox meet...



Basic Page Hit Counter, with auto updating!



Dating Profile Creating/ Liking Simulator



Node and fabric app that lets users create and edit svg images to design a new f...



My first memory about Virtual Reality is from The Simpsons. So, here it is, in A...



Quick look into the weather at home



Displays graphs and stats about turnip prices in AC:NH



A simple barcode-generating Node app



Virtual Exhibition where viewers can contribute contents



An example of Square's simple card form using React Square Payment Form



Some pokemons about to fight!

Make a virtual room for people to raise their hands in remote meetings or classes!



remote-hands

hand signals for the remote workplace

Help minimize workplace microaggressions around tasks like note taking during meetings



meeting-roles

help minimize workplace microaggressions around tasks like note taking during me...

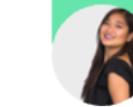
Remotely collaborate on Markdown docs in the Glitch editor, and serve them up!



basic-md-site

Node, Express, and Markdown

A simple countdown that tells you when to focus or not



countdown-oclock

A simple countdown that tells you when to focus or not 😊

Pair program with Glitch + Open Tok video chat



opentok-glitch-code

Ask and answer JS questions with OpenTok's video chat + Glitch App Embed

Automations like this Glitch to Trello one can "power up" your remote productivity



pitch-glimmer

Pitch to Glimmer, [Glitch.com](#)'s magazine highlighting unique stories about how te...

A Slack bot that helps distributed workers schedule a weekly coffee time



coffeetime

The CoffeeTime app, used to schedule weekly coffees at Glitch!

Build your first Slack bot with Botkit



botkit-slack

A starting point for using Botkit to build a bot for the web!

Build a Webex bot with Botkit



botkit-cisco-webex-teams

A starting point for using Botkit to build a bot for Webex Teams!

Build a Google Hangouts bot with Botkit



botkit-googlehangouts

A starting point for using Botkit to build a bot for Google Hangouts!

Build your own video chat tools with Twilio



twilio-video

Demo of the twilio video api

"Can everyone see my screen?"

BINGO!



conference-call-bingo

Generates random bingo cards to reveal how conference calls go

Curated collections

Glitch for Remote Work

Some of the community's best remote apps.

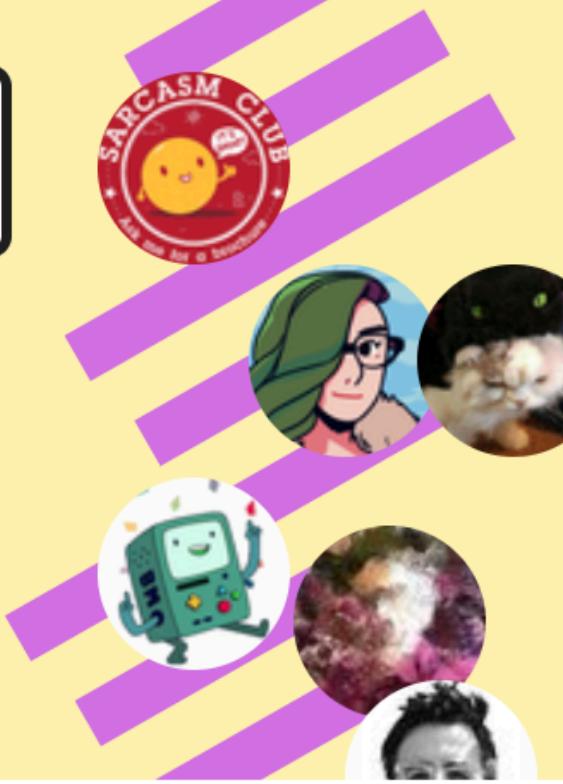
[View Projects →](#)



Boosted Apps from Glitch Creators

There's so much you can do with Glitch's new features.

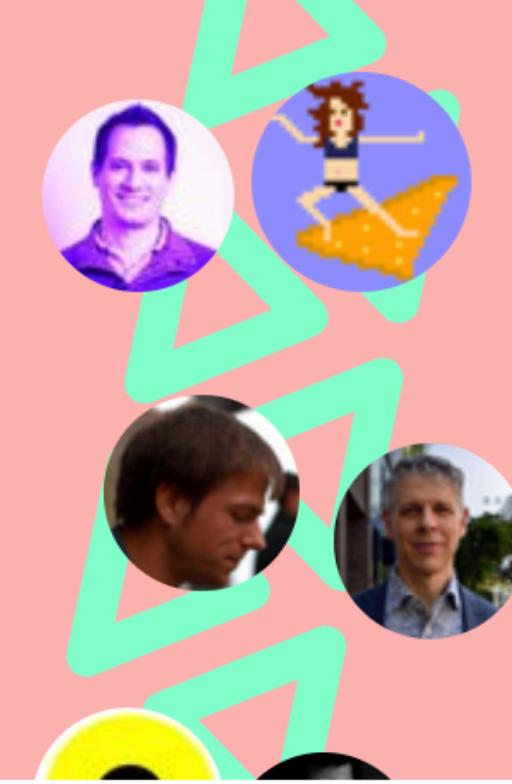
[View Projects →](#)



Guide to D3

D3.js is a JavaScript library that makes beautiful HTML, SVG, and CSS charts and graphs.

[View Projects →](#)



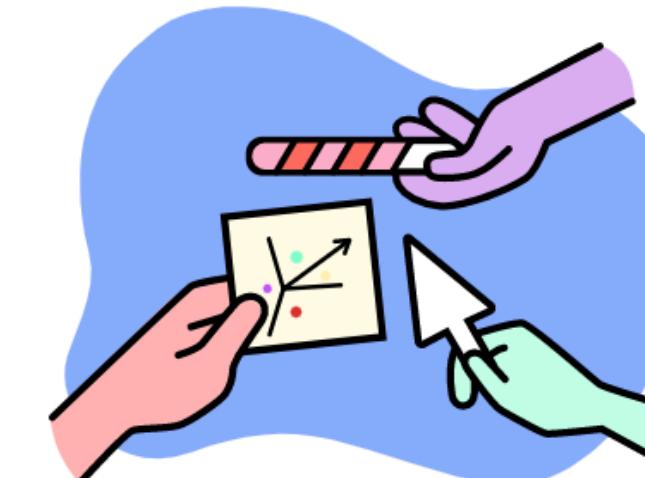
Start building on Glitch



Developers + Coders

Whether you're learning how to code or building a production-level app, find out how Glitch can power your next idea.

[Glitch for Devs →](#)



Teams

Collaborate on apps with your teammates, build starter apps for your next hackathon, or use Glitch to teach others how to create with code.

[Glitch for Teams →](#)

Introducing Glitch



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