CodeX User Manual

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Getting Started

Accessing CodeX

CodeX is a web-based application that requires no installation. To access CodeX:

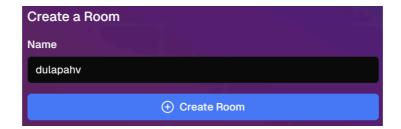
1. Open your web browser

- 2. Navigate to https://codex.dulapahv.dev/.
- 3. The platform will load automatically in your browser

Creating a Room

To create a new coding session:

- 1. On the homepage, locate the Create a Room section
- 2. Enter your preferred display name in the Name field
- 3. Click + Create Room to start a new session
- 4. You'll be automatically redirected to your coding room



Joining a Room

A valid room ID must be in a xxxx-xxxx format where x is an alphanumeric character.

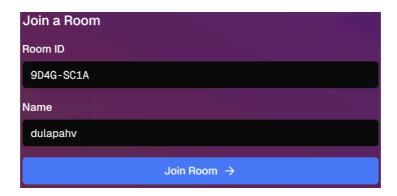
There are three ways to join an existing room:

Using a Room ID

- 1. On the homepage, find the Join a Room section
- 2. Input the room ID provided by the room creator in the Room ID field.

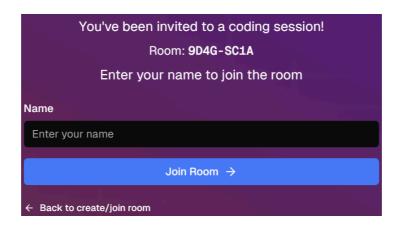
When inputting the room ID, no need to include the hyphen - as it will be added automatically.

- 3. Enter your display name in the Name field
- 4. Click Join Room →



Using an Invite Link

- 1. Click the invite link shared with you
- 2. Enter your display name in the Name field when prompted
- 3. Click Join Room →



Scanning QR Code

- 1. Use your mobile device to scan the QR code shared by the room creator
- 2. Enter your display name in the Name field when prompted
- 3. Click Join Room →

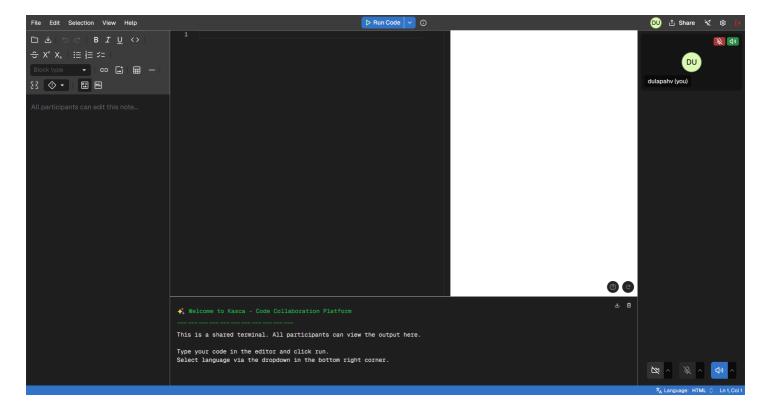


User Interface Overview

Once you enter a room, you'll see several key interface elements.

The interface is divided into several sections, each section contains multiple panels.

- · Panels can be resized by dragging the dividers
- Panels can be hidden/shown using toolbar buttons (view > panel name)



Top Bar



1. Menu Bar

• Contains File, Edit, Selection, View, and Help menus

2. Run Code Button

- Execute your code directly from the editor
- For list of supported execution languages, refer to the Supported Execution Languages section

3. User List

• Displays the list of users in the room

4. Share Button

• Share your room with others via a link or QR code

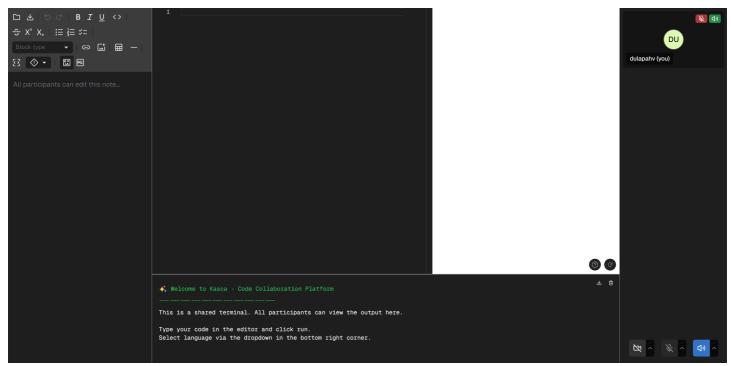
5. Follow User

• Opens a dropdown to follow another user's actions

6. Settings

· Connect to GitHub, and adjust editor settings

Main Work Area (Split into Panels)



1. Left Most Panel - Notepad

- Rich text formatting toolbar (Bold, Italic, Underline, etc.)
- Block type selector for different content types
- · Collaborative note-taking area
- · Table and media insertion tools

2. Center Left Panel - Code Editor

- · Main coding area with syntax highlighting
- · Line numbers
- · Real-time collaboration
- Multi-cursor support

3. Right Right Panel - Live Preview

- · Live preview of code output
- · UI rendering for web development
- Real-time updates

4. Right Most Panel - Video & Voice Communication

- Video and voice communication controls
- Toggle camera, microphone, and audio settings
- · See and hear other participants

Bottom Panel



1. Terminal

- Shared terminal with welcome message
- · Command output display
- Download and clear outputs options
- · Color-coded text output

Status Bar

ズ_A Language: HTML ♦ Ln 1, Col 1

1. Language Selector:

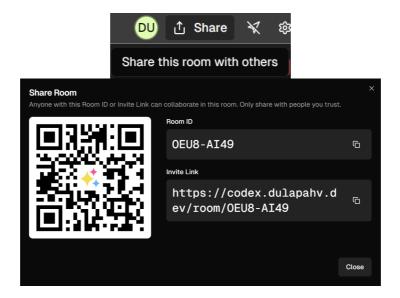
- Shows current programming language (e.g., "HTML")
- For list of supported editor languages, refer to the Supported Editor Languages section

2. Line and Column Indicator:

• Shows cursor position in the editor

Room Sharing

CodeX allows you to share your room with others using multiple methods:



Room ID

- 1. Click the Share button in the top bar
- 2. Copy the room ID from the Room ID field

Invite Link

- 1. Click the Share button in the top bar
- 2. Click the Copy Invite Link button

QR Code

1. Click the Share button in the top bar

Code Editor

The Monaco Editor forms the core of CodeX's collaborative coding environment, enabling multiple users to code together in real-time. Key features include:

- · Real-time synchronization of code changes across all participants
- Multi-cursor support showing everyone's positions
- Syntax highlighting for over 90 programming languages (For a list of supported editor languages, refer to the Supported Editor Languages section)
- · Intellisense for code completion
- · Error detection and linting
- You can configure, import and export editor settings to customize your coding environment. Learn more in the Code Editor Settings section
- The editor supports multiple shortcuts for common actions. Refer to the Keyboard Shortcuts in Menu Bar section for a list of supported shortcuts

Cursor

Each participant's cursor is displayed with a unique color. The color is generated from user name and is consistent across all participants

- Cursor labels show usernames and colors
- · Cursor positions are updated in real-time as users type or move
- · Cursor labels appear above the text by default, and appear below when at the first line of the editor

```
1 #include <stdio.h>
2
3 int main() {
4    printf("Hello World")
5 }

dulapahv

dulapahv
```

Text Selection

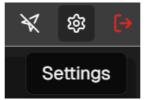
- · Active selections are highlighted for all participants
- Selection highlights appear in both the main editor and minimap
- · Multiple concurrent selections from different users are supported
- Selection information (character count) is displayed in the lower right corner of the status bar

```
#include <stdio.h>

int main() {
    printf("Hello World")
}
```

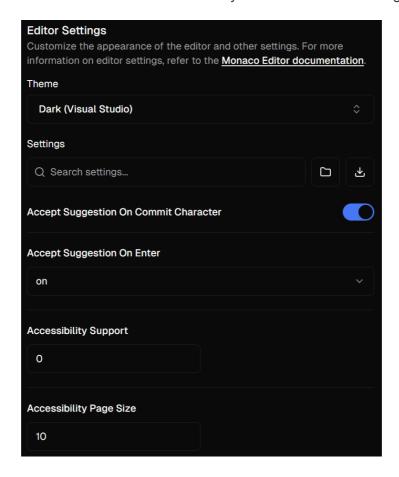
Code Editor Settings

You can configure the code editor as well as its theme to suit your preferences by going to Settings in the upper right corner of the top bar.



- To import settings, click on the Import Settings button and upload a JSON file
- To export settings, click on the Export Settings button to download a JSON file

The settings are persisted across sessions and are stored in your browser's local storage.

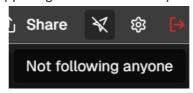


Follow Mode

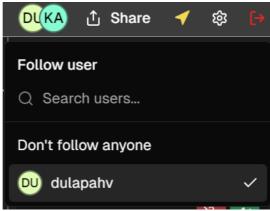
Follow Mode allows users to track another participant's actions in real-time by syncing their view with the followed user's view.

Enabling Follow Mode

1. Click on the Follow User button in the upper right corner of the top bar



2. Select or search for the user you want to follow



3. Your editor view will now sync with the selected user's actions

Limitations

- You cannot follow a user who is already following you
- · You cannot follow a user who is already following another user

Code Execution

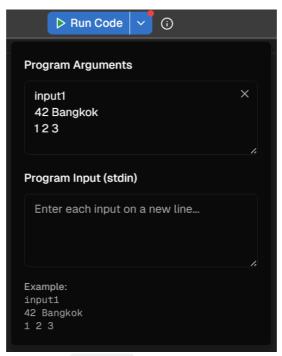


You can execute code directly from the editor using the Run Code button in the top bar. The output will be displayed in the Shared Terminal.

For a list of supported execution languages, refer to the Supported Execution Languages section.

Passing Arguments and Input (stdin)

You can pass arguments to your code by:



- 1. Click on the arrow down icon next to the Run Code button
- 2. Enter your arguments or input in the text area

Arguments and Input must be separated by a newline. For example:

```
input1
42 Bangkok
1 2 3
```

Empty lines are ignored. You can also use ' and " in your arguments and input.

Shared Terminal

The Shared Terminal allows you to execute commands and view the output in real-time. The terminal is shared among all participants in the room.

At the upper right corner of the terminal panel, you can Download Output or Clear Output.

```
Welcome to CodeX - Code Collaboration Platform

This is a shared terminal. All participants can view the output here.

Type your code in the editor and click run.

Select language via the dropdown in the bottom right corner.

[00:55:26.520]  Executing code...

[00:55:26.928] Python v3.10.0 (408ms)
['file0.code', 'input1', '42 Bangkok', '1 2 3']
```

Download Output

File name will be codex-terminal-<date>--<time>.txt , for example codex-terminal-06-01-2025--17-37-28.txt

- Terminal output will not contain CodeX welcome message
- Example output file:

Clear Output

· Clear the terminal output

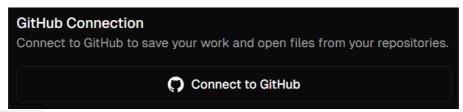
GitHub Integration

CodeX allows you to connect your GitHub account to open and save files directly from your repositories.

Authentication

CodeX requires repo access scope to read and write to your repositories. For more information, refer to the GitHub Access Permissions section.

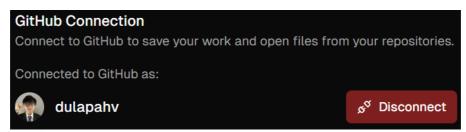
To connect your GitHub account:



- 1. Click on the Settings button in the top bar
- 2. Click on the Connect to GitHub button
- 3. Follow the prompts to authenticate your GitHub account
- 4. Once connected, you can open and save files from your GitHub repositories

Disconnecting GitHub Account

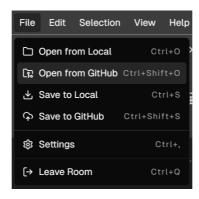
To disconnect your GitHub account:



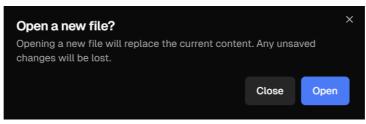
- 1. Click on the Settings button in the top bar
- 2. Click on the Disconnect button

Opening Files from GitHub

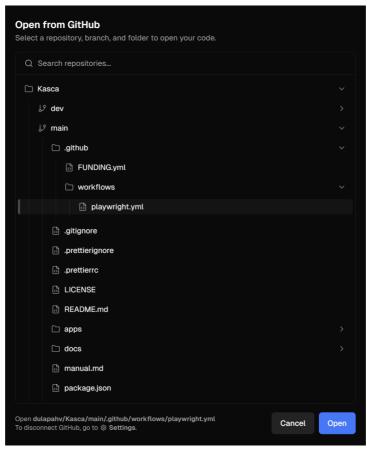
1. Click on the File menu in the top bar



- 2. Click on Open from GitHub
 - If you are not connected to GitHub, you will be prompted to connect your account
 - If the current code editor is not empty, a confirmation dialog will appear asking if you want to replace the current code with the file from GitHub



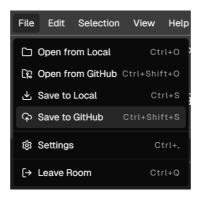
- 3. Select the repository, branch, and file you want to open
- 4. The file will be loaded into the editor



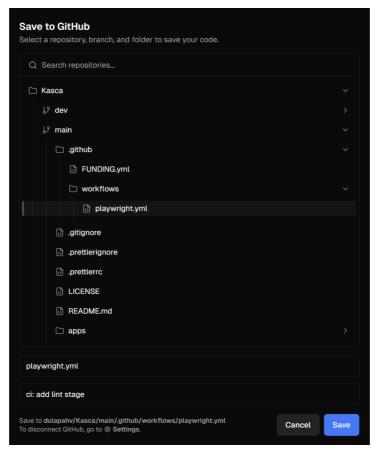
CodeX will automatically detect the language of the file and switch the editor's language mode accordingly. Other users' editors will also automatically switch to the same language mode.

Saving Files to GitHub

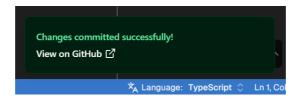
1. Click on the File menu in the top bar



- 2. Click on Save to GitHub
 - If you are not connected to GitHub, you will be prompted to connect your account
- 3. Enter the file name and commit message
- 4. Click Save



Upon saving, an alert will appear at the bottom right corner of the screen indicating the success or failure of the save operation. From there, you can click on the link to view the commit on GitHub.



Live Preview

The Live Preview panel allows you to see real-time updates of your code output. It is particularly useful for web development to see how your code renders in a browser.

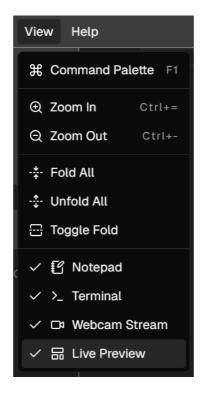
Tailwind CSS utility classes are available

- Add custom styles with <style> tags
- Add custom scripts with <script> tags
- Add external libraries in <head> tags

For a list of pre-installed libraries, refer to the Pre-Installed Libraries for Live Preview section.

Enabling/Disabling Live Preview

- 1. Click on the View menu in the top bar
- 2. Click on Live Preview



Limitations of Live Preview

• Only HTML code is supported

Live Preview Example

Example 1: HTML with Tailwind CSS

```
<style>
.test {
    background-color: blue;
}
</style>

class="test text-5xl text-white font-bold">
    Hello World
```

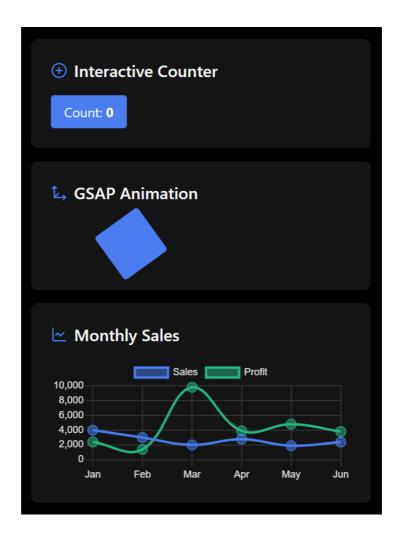


Example 2: HTML with Alpine.js, GSAP, and Chart.js

```
<div class="bg-black p-4 h-full">
 <div class="mx-auto max-w-4xl space-y-4">
   <!-- Alpine.js example -->
   <div
     x-data="{ count: 0 }"
     class="rounded-lg bg-neutral-900 p-6 shadow-lg"
      <div class="mb-4 flex items-center gap-2">
       <i data-lucide="plus-circle" class="size-5 text-blue-500"></i></i></or>
        <h2 class="text-xl font-semibold text-neutral-50">
         Interactive Counter
        </h2>
      </div>
      <button
       @click="count++"
       class="rounded bg-blue-500 px-4 py-2 text-white transition-colors hover:bg-blue-600"
        data-tippy-content="Click me to increment!"
        Count: <span x-text="count" class="font-bold"></span>
      </button>
    </div>
    <!-- GSAP example -->
    <div id="gsap-box" class="rounded-lg bg-neutral-900 p-6 shadow-lg">
     <div class="mb-4 flex items-center gap-2">
        <i data-lucide="move-3d" class="size-5 text-blue-500"></i>
        <h2 class="text-x1 font-semibold text-neutral-50">GSAP Animation</h2>
      </div>
      <div id="animated-box" class="size-16 rounded bg-blue-500"></div>
    </div>
    <!-- Chart Container -->
    <div class="rounded-lg bg-neutral-900 p-6 shadow-lg">
     <div class="mb-4 flex items-center gap-2">
        <i data-lucide="line-chart" class="size-5 text-blue-500"></i>
        <h2 class="text-x1 font-semibold text-neutral-50">Monthly Sales</h2>
      </div>
      <div class="relative">
        <canvas id="myChart"></canvas>
      </div>
    </div>
  </div>
  <script>
   // Initialize libraries
   lucide.createIcons();
   tippy('[data-tippy-content]');
   // GSAP animation
```

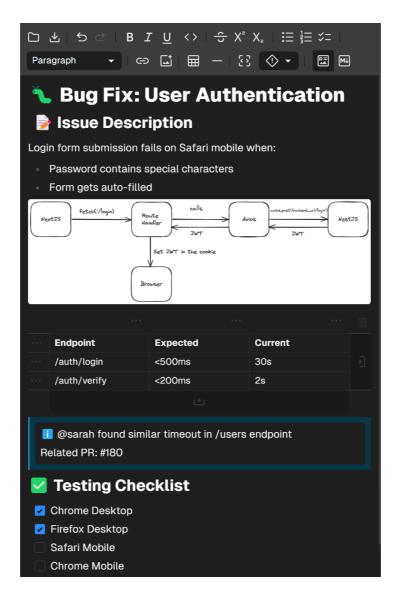
```
gsap.to('#animated-box', {
 rotation: 360,
 x: 100,
 duration: 2,
  repeat: -1,
 yoyo: true,
 ease: 'power1.inOut',
});
// Chart.js setup
const data = {
  labels: ['Jan', 'Feb', 'Mar', 'Apr', 'May', 'Jun'],
  datasets: [
   {
      label: 'Sales',
      data: [4000, 3000, 2000, 2780, 1890, 2390],
      borderColor: '#3b82f6', // blue-500
      backgroundColor: '#3b82f680',
      tension: 0.4,
     pointRadius: 6,
     pointHoverRadius: 8,
    },
    {
      label: 'Profit',
      data: [2400, 1398, 9800, 3908, 4800, 3800],
      borderColor: '#10b981', // emerald-500
      backgroundColor: '#10b98180',
      tension: 0.4,
      pointRadius: 6,
     pointHoverRadius: 8,
   },
 ],
};
// Chart configuration
const config = {
 type: 'line',
  data: data,
  options: {
   responsive: true,
   maintainAspectRatio: false,
    scales: {
     y: {
        beginAtZero: true,
        grid: {
        color: '#404040',
       },
       ticks: {
        color: '#e5e5e5',
       },
      },
```

```
x: {
           grid: {
            color: '#404040',
          },
          ticks: {
           color: '#e5e5e5',
          },
         },
       },
       plugins: {
         legend: {
           labels: {
           color: '#e5e5e5',
          },
         },
         tooltip: {
          backgroundColor: '#262626',
           titleColor: '#e5e5e5',
           bodyColor: '#e5e5e5',
           borderColor: '#525252',
           borderWidth: 1,
           padding: 10,
           displayColors: true,
        },
       },
    },
   };
   // Create chart
   const ctx = document.getElementById('myChart');
   new Chart(ctx, config);
 </script>
</div>
```



Notepad

The Notepad panel allows you to take notes in a rich text format. It supports markdown syntax for text formatting and organization.



Notepad Features

For a list of supported notepad features, markdown syntax, and shortcuts, refer to the Notepad Features and Markdown Syntax section.

Markdown Support

You can switch between rich text and source modes in the Notepad to view and edit markdown syntax.

```
Source mode 🔣 👊
🔟 🙏 # 🐪 Bug Fix: User Authentication
 ₃ , ##   📝 Issue Description
5 Login form submission fails on Safari mobile when:
 7 * Password contains special characters
 8 * Form gets auto-filled
10 <img height="183" width="598" alt="NextJS Authentication Flow -
   Store JWT In Cookie | by Andy Chow | JavaScript in Plain
   src="https://miro.medium.com/v2/resize:fit:1400/1*qcWsrOxDqdzrxzEs
   47yzfA.png" />
12 V | Endpoint
               | Expected | Current |
13 ------
14 | /auth/login | \<500ms | 30s
15 | /auth/verify | \<200ms | 2s
18 🚺 @sarah found similar timeout in /users endpoint
19 Related PR: #180
22 v ## V Testing Checklist
^{24} * [x] Chrome Desktop
* [x] Firefox Desktop
26 * [ ] Safari Mobile
27 * [ ] Chrome Mobile
28 * [ ] Password
```

In case of an error parsing markdown, you can switch to source mode to fix the error. Refer to the Error parsing markdown section.

Limitations of Notepad

Notepad, unlike the code editor, is not optimized for real-time updates and may be slow on low-end devices when handling large amounts of text.

Saving and Opening Notes

You can save notes to your local device or open existing notes in the Notepad.



Saving Notes

- 1. Click on the Save note button in the Notepad
- 2. Enter the note name and click Save

Notes are saved in markdown format with the .md extension.

Opening Notes

- 1. Click on the Open note button in the Notepad
- 2. Select the note you want to open

For a list of supported file formats, refer to the Notepad Features section.

Video & Voice Communication

CodeX supports video and voice communication between participants in a room. You can toggle your camera, microphone, and audio settings in the Video & Voice Communication panel.

Upon joining the room, CodeX will prompt you to grant permissions to access your media devices (camera, microphone, audio).



- To turn on camera, microphone, or audio, simply click on the respective buttons in the Video & Voice Communication panel.
- To change devices, click on the dropdown menu next to the respective button and select the desired device.

For troubleshooting video and audio issues, refer to the Troubleshooting section.

Troubleshooting

Live Preview not Updating or Displaying Error

The Live Preview is not updating or displaying this error (where x is a random string):

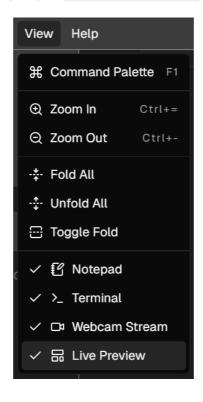
The webpage at https://xxxxxx-preview.sandpack-static-server.codesandbox.io/ might be temporarily down or

This issue can be caused by:

- · Idling for an extended period
- · Network connectivity problems

To resolve this issue:

• Re-toggle the Live Preview panel by going to View > Live Preview in the top menu bar



Follow Mode not working

This issue can be caused by:

- · Following a user who is already following you
- Following a user who is already following another user
- Network connectivity problems

To resolve this issue:

- · Stop following the user
- · Ask the user to stop following you
- Re-enable Follow Mode

Code is not Syncing Between Users

This issue can be caused by:

• Network connectivity problems

This issue cannot be caused by idling for an extended period as Socket.IO maintains a persistent connection by pinging the server periodically.

- 1. Save your work, either by saving to local or GitHub
- 2. Leave the room and create a new room

This language may not be supported or the server is down

This issue can be caused by:

- The selected language is not supported for execution
- · The execution server is down

To resolve this issue:

- · Check the list of supported execution languages
- Wait for the execution server to come back online

No code to execute

This issue can be caused by:

· No code in the editor

To resolve this issue:

· Write code in the editor

Error parsing markdown

This issue can be caused by:

- Incorrect markdown syntax
- Incorrect markdown commands

To resolve this issue:

- 1. Switch to source mode in the Notepad
- 2. Correct the markdown syntax or commands
- 3. Switch back to rich text mode to see if the error disappears

Please check the information and try again

This issue can be caused by:

- · Not filling in the required fields
- · Fields containing incorrect information
 - Name must not be empty and must not exceed 64 characters
 - Room ID must be in xxxx-xxxx format where x is an alphanumeric character

- · Check the information entered in the fields
- · Correct any errors

Failed to import settings. Please check the file format

This issue can be caused by:

- · Trying to import settings from an unsupported file format
- · Settings file is not a valid JSON file or is corrupted

To resolve this issue:

Check the file format and ensure it is a valid JSON file

Parsing of the Following Markdown Structure Failed

This issue can be caused by:

- · Incorrect markdown syntax
- · Incorrect markdown commands

To resolve this issue:

- 1. Switch to source mode in the Notepad
- 2. Correct the markdown syntax or commands
- 3. Switch back to rich text mode to see if the error disappears

Error accessing media devices

This issue can be caused by:

Browser permissions are not granted

To resolve this issue:

Grant the browser permissions to access media devices (camera, microphone, audio)

Please grant media-device permissions to see available devices

This issue can be caused by:

Browser permissions are not granted

To resolve this issue:

Grant the browser permissions to access media devices (camera, microphone, audio)

Error enumerating devices

This issue can be caused by:

· Browser permissions are not granted

• Grant the browser permissions to access media devices (camera, microphone, audio)

Error toggling media-device

This issue can be caused by:

- · Media device is invalid
- · Browser permissions are not granted

To resolve this issue:

- Grant the browser permissions to access media devices (camera, microphone, audio)
- · Leave the room and refresh the page then rejoin the room
- · Reopen the browser and recreate the room

Error Setting Audio Output

This issue can be caused by:

Audio device is invalid

To resolve this issue:

- Leave the room and refresh the page then rejoin the room
- Reopen the browser and recreate the room
- · Change to other audio devices

No active media stream

This issue can be caused by:

Disconnected from the server

To resolve this issue:

- Leave the room and refresh the page then rejoin the room
- · Reopen the browser and recreate the room

No audio track found

This issue can be caused by:

Disconnected from the server

- · Leave the room and refresh the page then rejoin the room
- Reopen the browser and recreate the room

Error creating peer connection

This issue can be caused by:

Disconnected from the server

To resolve this issue:

- Leave the room and refresh the page then rejoin the room
- · Reopen the browser and recreate the room

Performance Tips

Live Preview is a heavy feature that may impact performance on low-end devices as it requires constant updates. To improve performance:

• Close the Live Preview panel when not in use by going to View > Live Preview in the top menu bar

The Notepad may also be slow on low-end devices when handling large amounts of text as it is not optimized for real-time updates. To improve performance:

- Avoid having multiple users editing the same note simultaneously
- · Limit the amount of text in a single note

Security Considerations

Live Preview and Code Execution will run code in a sandboxed environment to prevent malicious code execution. However, it is recommended to avoid running untrusted code and pasting sensitive information into the editor.

Privacy and Security

Data Handling

CodeX does not store any user data on the server except for:

- Display names
- User IDs
- Room IDs
- Code
- Notes

All of which are stored temporarily during a session and is cleared once the session ends. The session ends and all data in the room is deleted immediately when all users leave the room.

User Privacy

When using CodeX, your data is encrypted in transit using HTTPS and stored securely on the server. However, it is recommended to avoid sharing sensitive information on the platform.

CodeX uses Vercel Analytics and Cloudflare Web Analytics to collect anonymous usage data for improving the platform including:

- · Country of origin
- Browser type
- · Operating system
- Page views*
- Referrers

No personal data is collected or stored.

*Page views is collected from users who visit the homepage only so other pages (e.g. session page with room ID) are neither tracked nor exposed.

CodeX uses Sentry for error tracking to help identify and fix issues quickly. No personal data is collected or stored. The Sentry's Session Replay feature is enabled for faster debugging, and **all user inputs are masked** to prevent data exposure. Learn more about how Session Replay captures data while protecting user privacy.

GitHub Access Permissions

CodeX uses GitHub OAuth to authenticate users and access repositories. When you connect your GitHub account, CodeX requests only one permission scope:

• repo - Grants full access to public and private repositories including read and write access to code, commit statuses, repository invitations, collaborators, deployment statuses, and repository webhooks. **Note**: In addition to repository related resources, the repo scope also grants access to manage organization-owned resources including projects, invitations, team memberships and webhooks. This scope also grants the ability to manage projects owned by users. (from GitHub's Scopes for OAuth apps)

CodeX does not store your GitHub access token. The token is stored securely in your browser's Cookies and is used only for making API requests to GitHub on your behalf.

To prevent unauthorized access to your GitHub account, the stored GitHub access token will expire after 7 days and you will need to reconnect your GitHub account to continue using the GitHub features.

You can revoke access at any time by disconnecting your GitHub account from CodeX by going to Settings > Github Connection and clicking Disconnect.

Learn more about GitHub's Scopes for OAuth apps.

Appendix

Supported Editor Languages

Language	File Extensions	
Plain Text	txt	
abap	abap	
Apex	cls	
Azure CLI	azcli	
Batch	bat, cmd	
Bicep	bicep	
Cameligo	mligo	
clojure	clj, cljs, cljc, edn	
CoffeeScript	coffee	
С	c , h	
C++	cpp, cc, cxx, hpp, hh, hxx	
C#	cs , csx , cake	
CSP	-	
CSS	CSS	
Cypher	cypher, cyp	
Dart	dart	
Dockerfile	dockerfile	
ECL	ecl	
Elixir	ex, exs	
Flow9	flow	
F#	fs, fsi, ml, mli, fsx, fsscript	
FreeMarker2	ftl, ftlh, ftlx	
FreeMarker2	Angle/Dollar	
FreeMarker2	Bracket/Dollar	
FreeMarker2	Angle/Bracket	
FreeMarker2	Bracket/Bracket	

FreeMarker2 FreeMarker2	Auto/Dollar Auto/Bracket	
FreeMarker2	Auto/Bracket	
Go	go	
GraphQL	graphql, gql	
Handlebars	handlebars, hbs	
Terraform	tf, tfvars, hcl	
HTML	html, htm, shtml, xhtml, mdoc, jsp, asp, aspx, jshtm	
Ini	ini, properties, gitconfig	
Java	java, jav	
JavaScript	js, es6, jsx, mjs, cjs	
julia	jl	
Kotlin	kt , kts	
Less	less	
Lexon	lex	
Lua	lua	
Liquid	liquid , html.liquid	
Modula-3	m3, i3, mg, ig	
Markdown	md , markdown , mdown , mkd , mdwn , mdtxt , mdtext	
MDX	mdx	
MIPS	S	
DAX	dax , msdax	
MySQL	-	
Objective-C	m	
Pascal	pas, p, pp	
Pascaligo	ligo	
Perl	pl, pm	
PostgreSQL	-	
PHP	php, php4, php5, phtml, ctp	
Unknown	pla	

Language	File Extensions	
ATS	dats, sats, hats	
PQ	pq, pqm	
PowerShell	ps1, psm1, psd1	
protobuf	proto	
Pug	jade, pug	
Python	py, rpy, pyw, cpy, gyp, gypi	
Q#	qs	
R	r, rhistory, rmd, rprofile, rt	
Razor	cshtml	
redis	redis	
Redshift	-	
reStructuredText	rst	
Ruby	rb, rbx, rjs, gemspec, pp	
Rust	rs, rlib	
Small Basic	sb	
Scala	scala, sc, sbt	
scheme	scm, ss, sch, rkt	
Sass	scss	
Shell	sh, bash	
sol	sol	
aes	aes	
sparql	rq	
SQL	sql	
StructuredText	st, iecst, iecplc, lc3lib, TcPOU, TcDUT, TcGVL, TcIO	
Swift	swift	
SV	sv, svh	
V	v, vh	
tcl	tcl	
Twig	twig	

Language	File Extensions	
TypeScript	ts, tsx, cts, mts	
Visual Basic	vb	
WebGPU Shading Language	wgsl	
XML	<pre>xml , xsd , dtd , ascx , csproj , config , props , targets , wxi , wxl , wxs , xaml , svg , svgz , opf , xslt , xsl</pre>	
YAML	yaml, yml	
JSON	json, bowerrc, jshintrc, jscsrc, eslintrc, babelrc, har	

Supported Execution Languages

Referenced from the Piston documentation.

awk, bash, befunge93, brachylog, brainfuck, bqn, c, c++, cjam, clojure, cobol, coffeescript, cow, crystal, csharp, csharp.net, d, dart, dash, dragon, elixir, emacs, emojicode, erlang, file, forte, forth, fortran, freebasic, fsharp.net, fsi, go, golfscript, groovy, haskell, husk, iverilog, japt, java, javascript, jelly, julia, kotlin, lisp, llvm_ir, lolcode, lua, matl, nasm, nasm64, nim, ocaml, octave, osabie, paradoc, pascal, perl, php, ponylang, powershell, prolog, pure, pyth, python, python2, racket, raku, retina, rockstar, rscript, ruby, rust, samarium, scala, smalltalk, sqlite3, swift, typescript, basic, basic.net, vlang, vyxal, yeethon, zig,

Keyboard Shortcuts in Menu Bar

Action	Shortcut
Command Palette	F1
Open from Local	Ctrl + 0
Open from GitHub	Ctrl + Shift + 0
Save to Local	Ctrl + S
Save to GitHub	Ctrl + Shift + S
Settings	Ctrl + ,
Leave Room	Ctrl + Q
Undo	Ctrl + Z
Redo	Ctrl + Y
Cut	Ctrl + X
Сору	Ctrl + C

Action	Shortcut
Paste	Ctrl + V
Find	Ctrl + F
Replace	Ctrl + H
Toggle Line Comment	Ctrl + /
Toggle Block Comment	Shift + Alt + A
Select All	Ctrl + A
Copy Line Up	Shift + Alt + ↑
Copy Line Down	Shift + Alt + ↓
Move Line Up	Alt + ↑
Move Line Down	Alt + ↓
Add Cursor Above	Ctrl + Alt + ↑
Add Cursor Below	Ctrl + Alt + ↓
Zoom In	Ctrl + =
Zoom Out	Ctrl + -

Pre-Installed Libraries for Live Preview

Library	Version
Tailwind CSS	v4.x
Animate.css	v4.x
AOS	v2.x
Swiper	v11.x
HTMX	v2.x
Lucide Icons	v0.x
Alpine.js	v3.x
GSAP	v3.x
Popper	v2.x
Tippy.js	v6.x
React	v18.x
React DOM	v18.x

Library	Version
PropTypes	v15.x
Recharts	v2.x
Chart.js	v4.x
Lodash	v4.x
Day.js	v1.x
Sortable.js	v1.x

Notepad Features and Markdown Syntax

Feature	Description	Shortcut / Markdown Code
Open Note	Open a text file in the Notepad. Supports txt, md, mdx, xbl, xsl, vtt, text, xslt, ehtml, sh, html, ics, mjs, js, shtml, xml, csv, css, shtm, htm	
Save Note	Save the current note as a markdown (md) file	
Undo	Undo the last action	ctrl + z
Redo	Redo the last undone action	ctrl + y Or ctrl + shift + z
Bold	Make selected text bold	ctrl + b Or **text**
Italic	Make selected text italic	ctrl + i or *text*
Underline	Underline selected text	ctrl + u Or <u>text</u>
Inline code format	Format selected text as inline code	`text`
Strikethrough	Strike through selected text	~~text~~
Superscript	Format selected text as superscript	^{text}
Subscript	Format selected text as subscript	_{text}
Bulletted list	Create a bulletted list	* List item
Numbered list	Create a numbered list	1. List item

Feature	Description	Shortcut / Markdown Code
Check list	Create a checklist	* [] List item
Select block type	Select block type for selected text. Supports paragraphs (p), headings (h1 to h6), and blockquote (blockquote)	<pre># Heading 1, ## Heading 2, ### Heading 3, #### Heading 4, ##### Heading 5, ##### Heading 6 > Blockquote</pre>
Create link	Create a hyperlink	[Hyperlink Text](url "Title")
Insert image	Insert an image. Supports only image URLs	<pre>![Alt Text](image-url "title") Or <img ;<="" alt="" height="" pre="" src="" width=""/></pre>
Insert table	Insert a table	
Insert thematic break	Insert a thematic break	***
Insert code block	Insert a code block. Supports languages: apl, asn1, asterisk, brainfuck, c, cpp, csharp, ceylon, clojure, gss, cmake, cobol, coffeescript, commonlisp, crystal, css, cypher, cython, d, dart, django, dockerfile, diff, dtd, dylan, ebnf, ecl, eiffel, elixir, elm, erlang, factor, fcl, forth, fortran, fsharp, gas, gherkin, go, groovy, haml, handlebars, haskell, haxe, html, http, idl, java, js, jsx, jinja2, julia, kotlin, less, livescript, lua, md, mathematica, mbox, mirc, modelica, mscgen, mumps, nginx, nsis, ntriples, objc, ocaml, octave, oz, pascal, pegjs, perl, pgp, php, pig, powershell, properties, protobuf, pug, puppet, python, q, r, rpm, rst, ruby, rust, sas, sass, spreadsheet, scala, scheme,	""[language] [code]""

Feature	Description	Shortcut / Markdown Code
	scss, shell, sieve, slim, smalltalk, smarty, solr, soy, stylus, sql, sparql, squirrel, swift, stex, tcl, textile, tiddlywiki, tiki, toml, tornado, troff, tsx, ttcn, turtle, twig, vb, vbscript, velocity, verilog, vhdl, vue, webidl, wast, xml, xquery, yacas, yaml, z80	
Insert admonition	Insert an admonition. Supports note, tip, danger, info, caution	:::note [text] :::
Rich text mode	Switch to rich text mode	
Source mode	Switch to source mode (markdown)	