

Upgrade your Toolbox with IDE Extensions

Max Kless

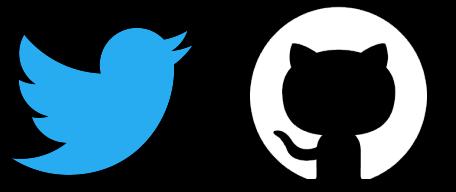






**LEGACY
SOFTWARE**

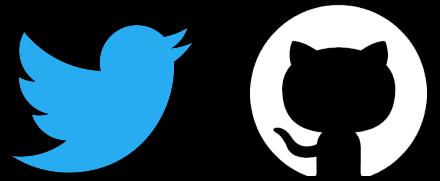
Max Kless



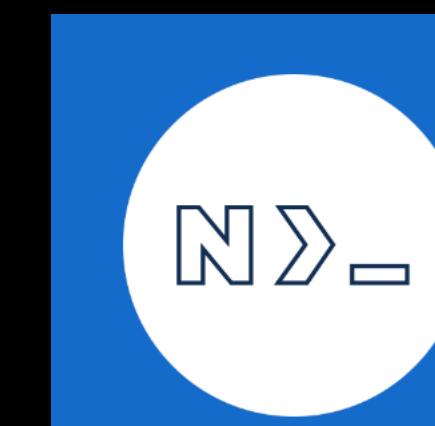
@MaxKless



Max Kless



@MaxKless



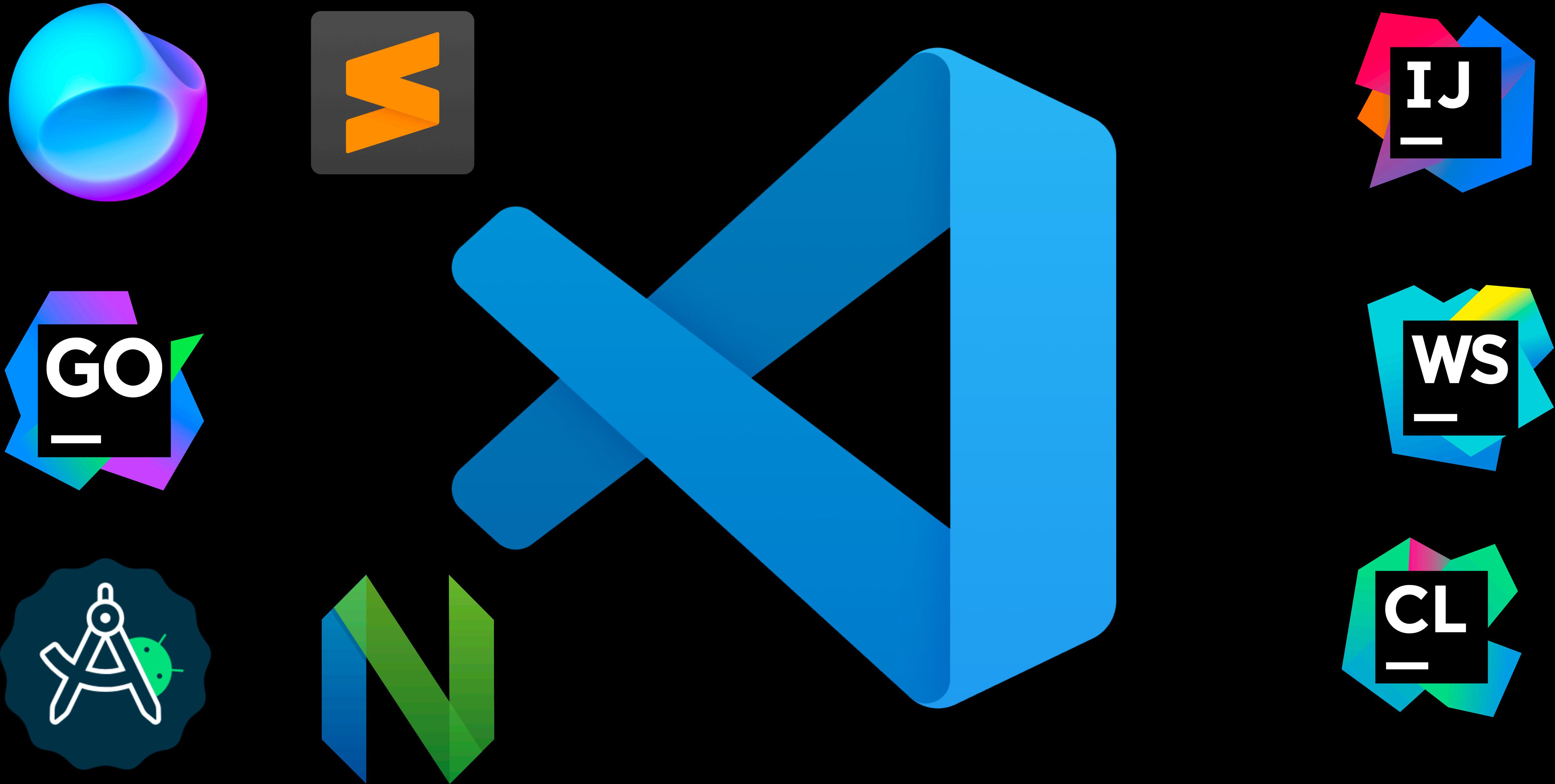
Nx Console

nrwl [nx.dev](#) | 1,455,700 installs | (52) | Free

The UI for Nx & Lerna

[Install](#)

[Trouble Installing?](#)





Always has been

Wait, it's all
VSCode
Extensions ?

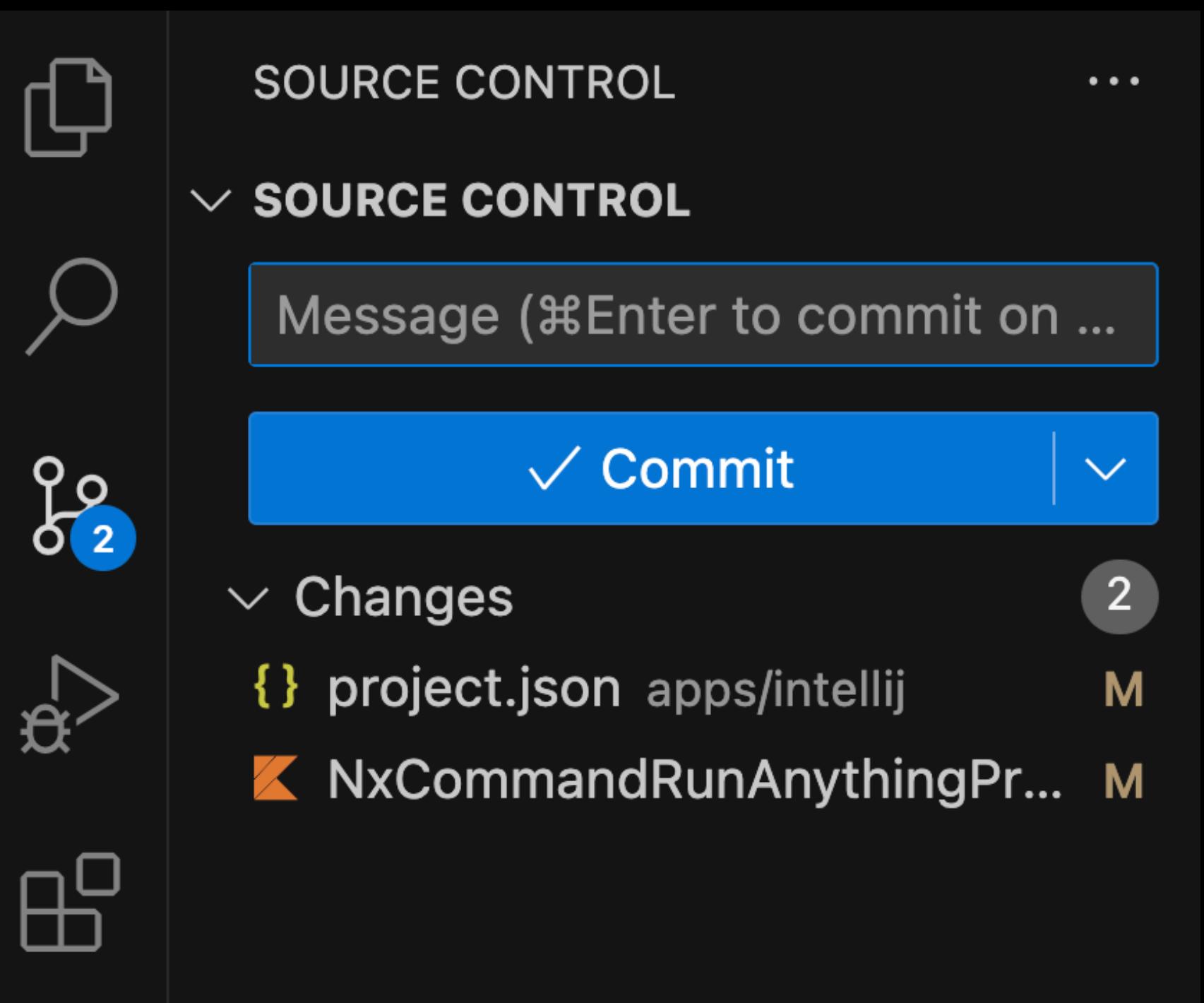
- bat
- clojure
- coffeescript
- configuration-editing
- cpp
- csharp
- css-language-features
- css
- dart
- debug-auto-launch
- debug-server-ready
- diff
- docker
- emmet
- extension-editing
- fsharp
- git-base
- git
- github-authentication
- github
- go
- groovy
- grunt
- gulp

- gulp
- handlebars
- hsl
- html-language-features
- html
- ini
- ipynb
- jake
- java
- javascript
- json-language-features
- json
- julia
- latex
- less
- log
- lua
- make
- markdown-basics
- markdown-language-features
- markdown-math
- media-preview
- merge-conflict
- microsoft-authentication
- notebook-renderers

- npm
- objective-c
- perl
- php-language-features
- php
- powershell
- pug
- python
- r
- razor
- references-view
- restructuredtext
- ruby
- rust
- scss
- search-result
- shaderlab
- shellscript
- simple-browser
- sql
- swift
- theme-abyss
- theme-defaults
- theme-kimbie-dark

- theme-monokai-dimmed
- theme-monokai
- theme-quietlight
- theme-red
- theme-seti
- theme-solarized-dark
- theme-solarized-light
- theme-tomorrow-night-blue
- tunnel-forwarding
- types
- typescript-basics
- typescript-language-features
- vb
- vscode-api-tests
- vscode-colorize-tests
- vscode-test-resolver
- xml
- yaml

The screenshot shows a dark-themed interface of the Nx Console extension in Visual Studio Code. On the left, there's a sidebar with various icons for file operations like copy, search, and settings. The main area has two tabs: 'README.md' and 'Preview README.md'. The 'README.md' tab contains the content of the README file, which includes a picture element linking to the Nx Console logo, and several shield icons for CI status, VS Code version, and license information. The 'Preview README.md' tab shows a large, bold title 'Nx CONSOLE' and a subtitle 'The UI for Nx & Lerna'. Below this, a section encourages users to 'Spend less time looking up command line arguments and more time shipping incredible products.' The bottom half of the screen features a 'Generate UI' interface for the 'nx-console' project. It shows a tree view of projects ('apps' and 'libs') and a configuration panel for generating a library. The configuration fields include 'name' (set to 'unitTestRunner'), 'unitTestRunner' (set to 'jasmine'), 'bundler' (set to 'tsc'), 'directory' (set to 'src/lib'), and 'importPath' (set to 'unit-test-runner'). There are also sections for 'NX CLOUD' (REMOTE CACHE, DISTRIBUTED TASK EX..., VCS INTEGRATION) and 'GENERATE & RUN TARGET' (generate, run, watch, build, lint, test, storybook, build-storybook, extract-dependencies, _build, e2e). Buttons for 'Dry Run' and 'Generate' are at the bottom right of the configuration panel.

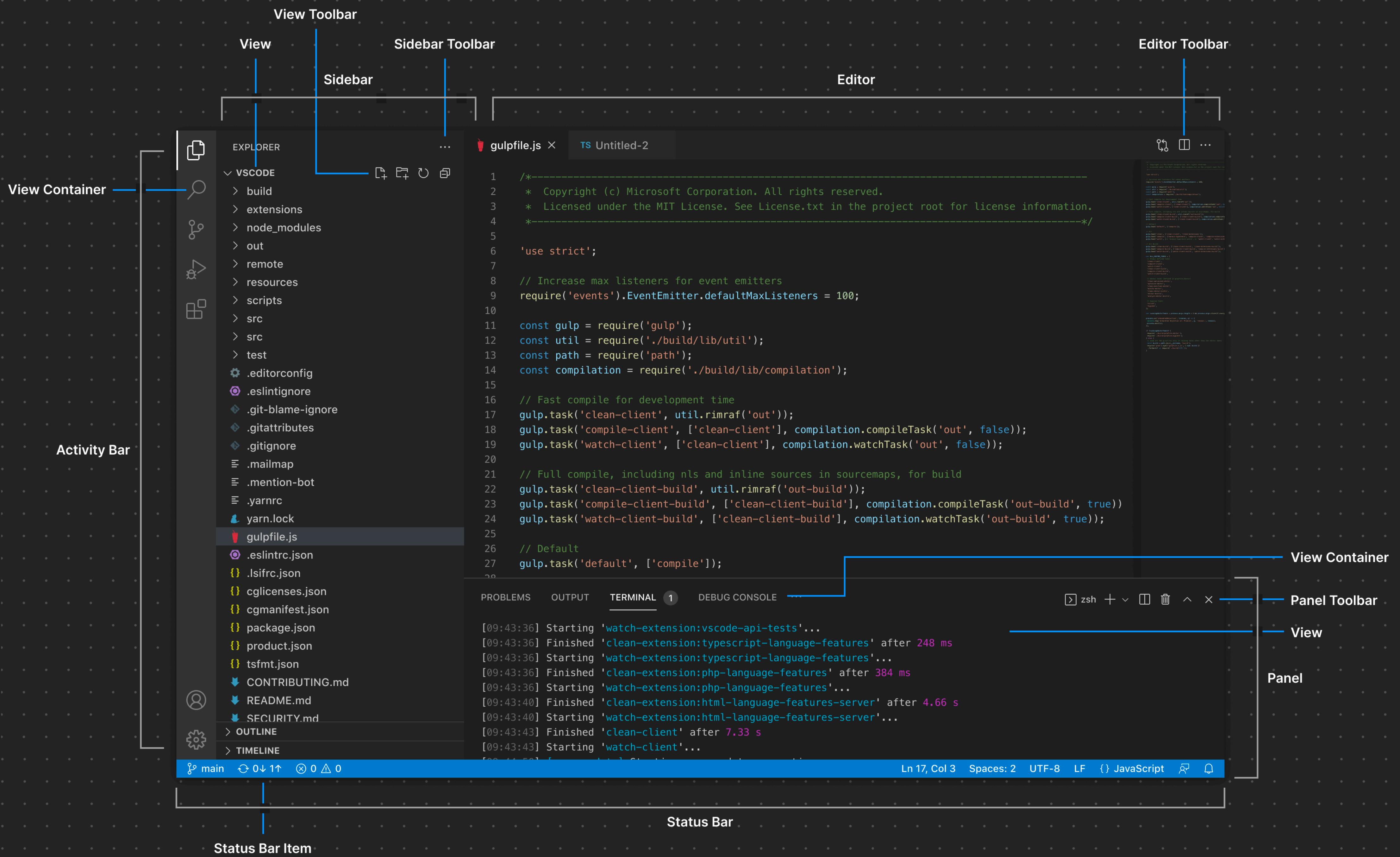




```
// other package.json things ...
"activationEvents": ["onStartupFinished"],
"contributes": {
  "commands": [
    {
      "command": "demo-extension.helloWorld",
      "title": "Hello World"
    }
  ]
},
```



```
export async function activate() {
  commands.registerCommand('demo-extension.helloWorld', () => window.showInformationMessage('Hello World!'))
}
```



EXPLORER Select a codespace to connect to

VS CODE

- > build **microsoft/vscode** main • 4 cores , 8GB RAM, 32GB storage
- > extension **microsoft/vscode-codicons** Last used 2 days ago
- > node_modules main • 4 cores , 8GB RAM, 32GB storage
- > out **microsoft/vscode-docs** Last used 3 days ago
- > remote vnext • 4 cores , 8GB RAM, 32GB storage
- > resources
- > scripts
- > src
- > src
- > test
- .editorconfig
- .eslintignore
- .git-blame-ignore
- .gitattributes

OUTLINE

TIMELINE

```
8 // Increase max listeners for event emitters
9 require('events').EventEmitter.defaultMaxListeners = 100;
10
11 const gulp = require('gulp');
12 const util = require('./build/lib/util');
13 const path = require('path');
14 const compilation = require('./build/lib/compilation');
15
16 // Fast compile for development time
17 gulp.task('clean-client', util.rimraf('out'));
18 gulp.task('compile-client', ['clean-client'], compilation.compile);
19 gulp.task('watch-client', ['clean-client'], compilation.watchTask);
20
21 // Full build task
22 gulp.task('full', ['clean-client'], compilation.compile);
```

Ln 17, Col 3 Spaces: 2 UTF-8 LF {} JavaScript ⚡ 🔔

```
7  
8 // Increase max listeners for event emitters  
9 require('events').EventEmitter.defaultMaxListeners = 100;  
10  
11 ✓ const gulp = require('gulp');  
12 const util = require('./build/lib/util');  
13 const path = require('path');  
14 const compilation = require('./build/lib/compilation');
```

15
16 ⚠ Unable to sync due to conflicts in settings. Please resolve ✎ ×
17 them to continue.

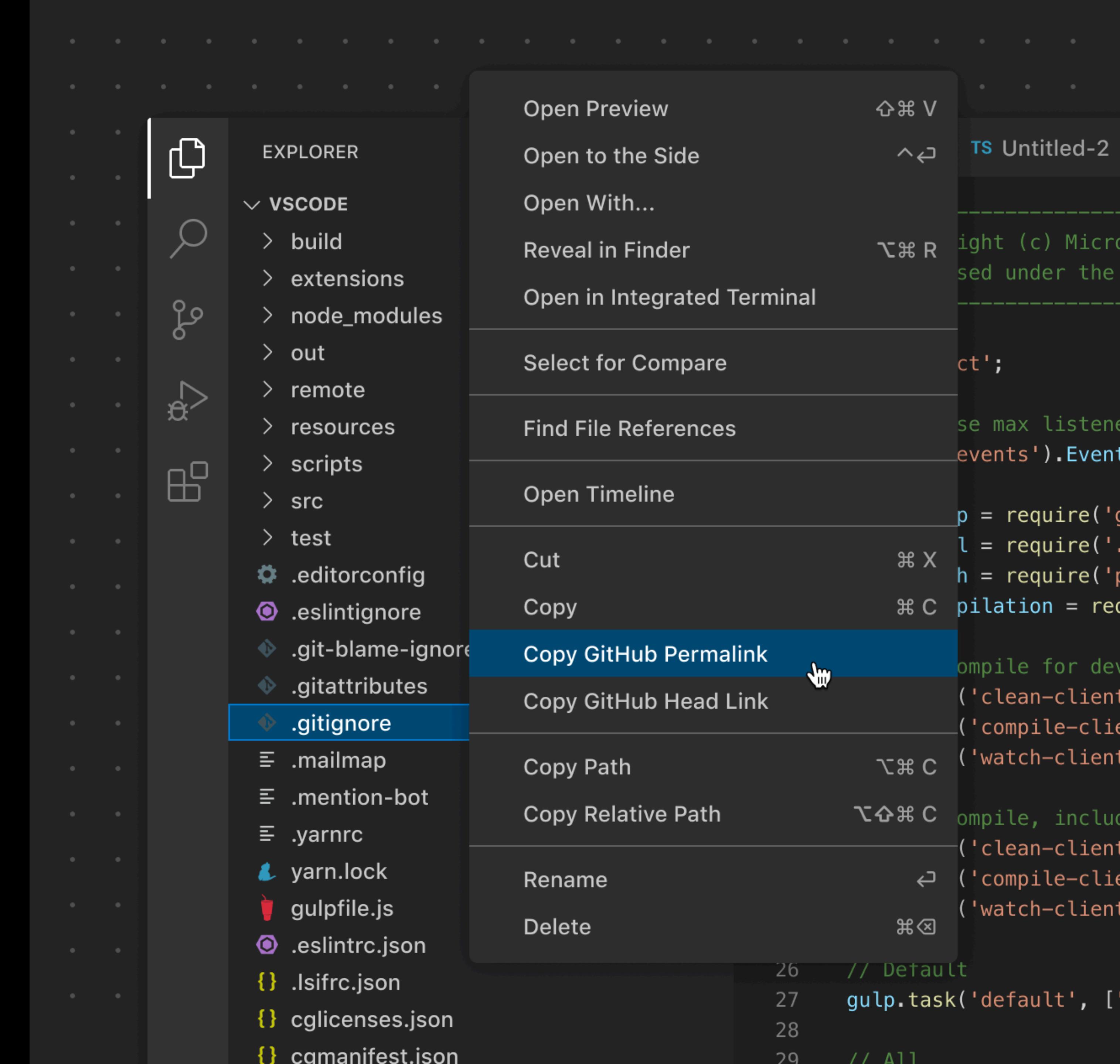
18
19 Accept Remote

Accept Local

Show Conflicts

Ln 17, Col 3 Spaces: 2 UTF-8 LF {} JavaScript









task caching

remote caching

generators

executors

automated migrations

ecosystem plugins

monorepos

distributed task execution

structured repo

code sharing

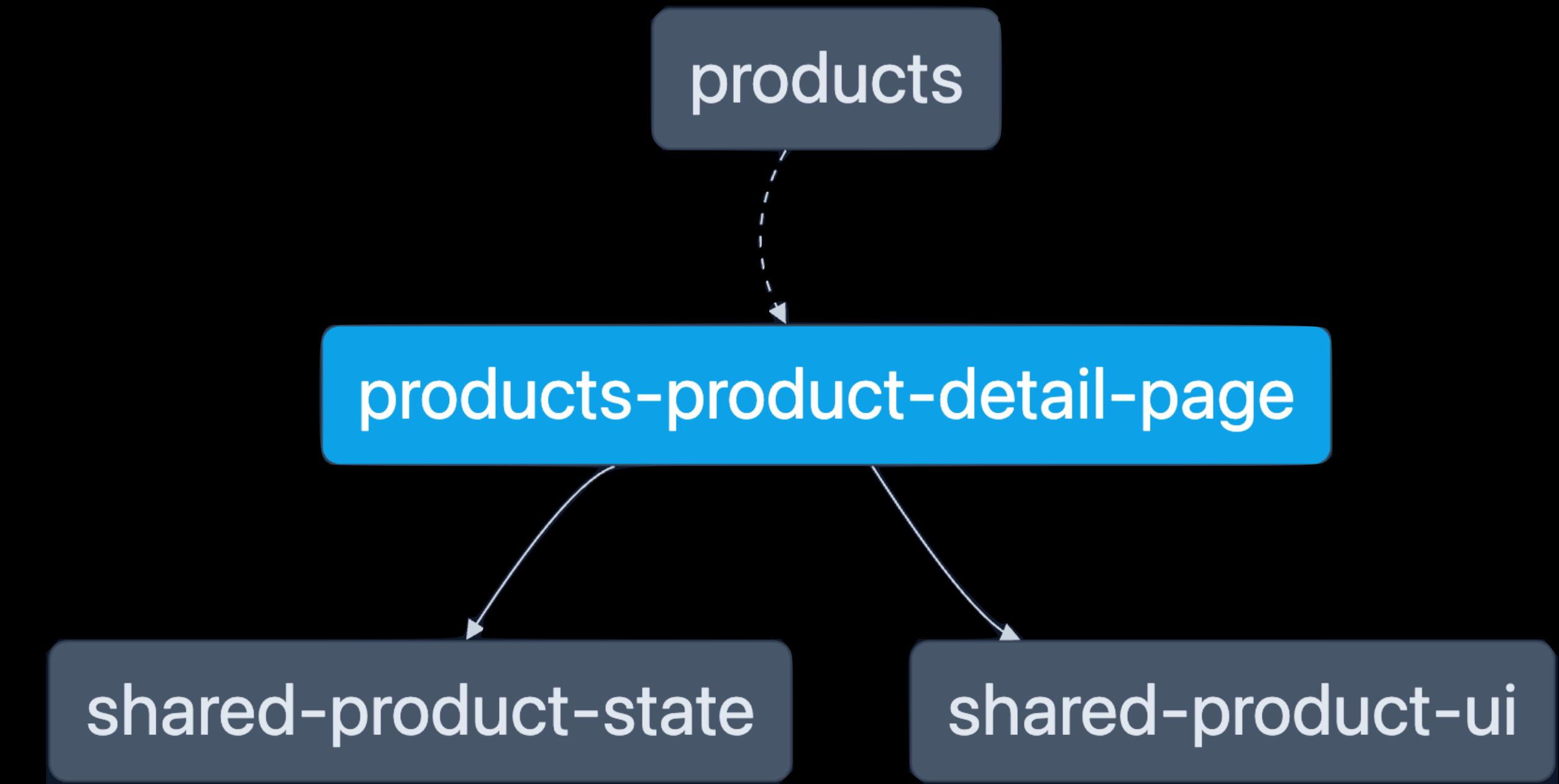
task orchestration

package-based/integrated repo

code organization & module boundaries

Nx Plugins

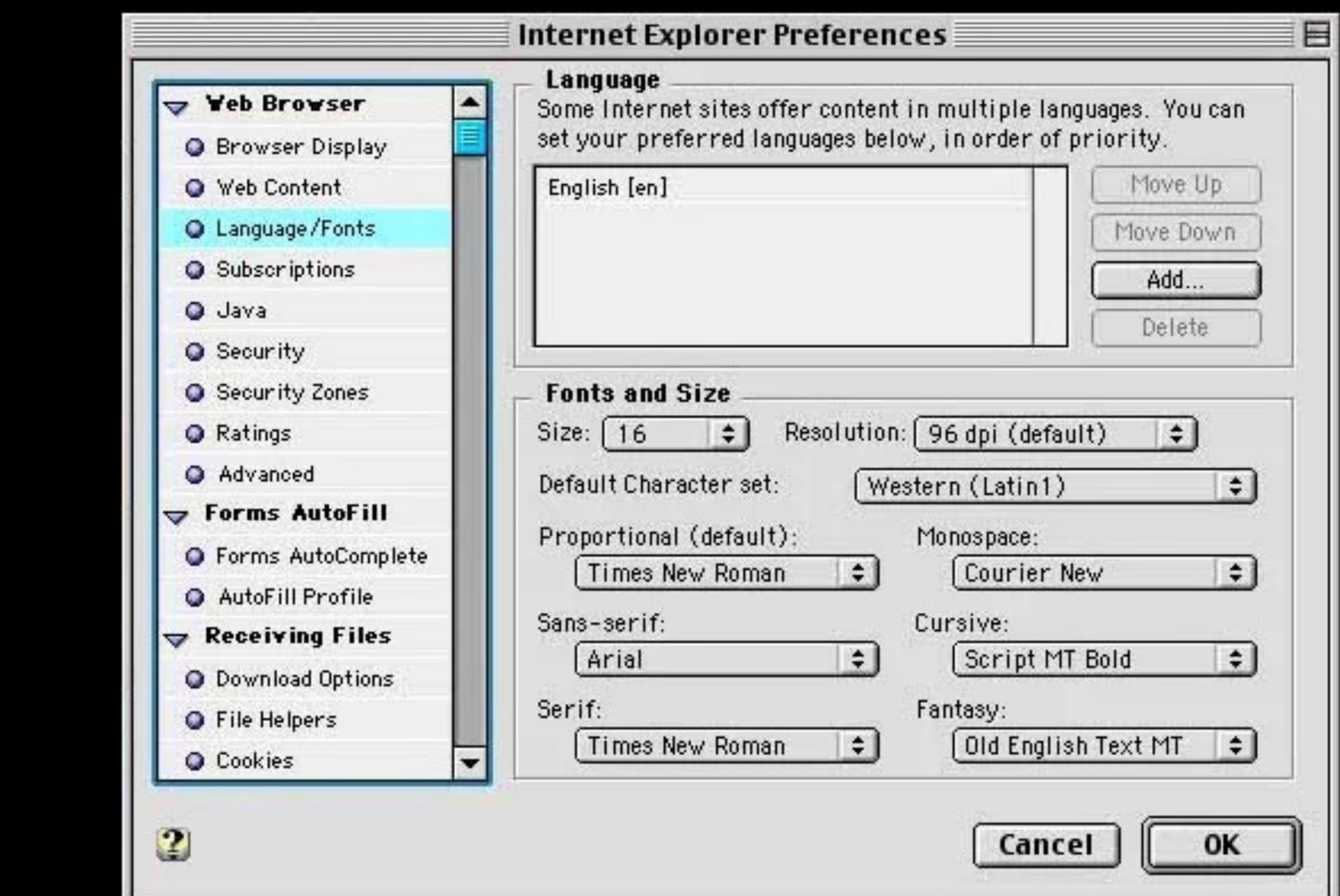
Structure



```
"SIGNUP": "Sign Up",
"LOGOUT": "Logout",
"PROFILE": "Profile",
"SETTINGS": "Settings"
},
"ERRORS": {
    "NETWORK": "Network Error",
    "FORBIDDEN": "You don't have permission to access
this.",
    "NOT_FOUND": "Resource not found.",
    "INTERNAL_SERVER": "Internal Server Error"
},
"MESSAGES": {
    "WELCOME": "Welcome to our platform!",
    "GOODBYE": "Goodbye, see you soon!",
    "SUCCESS_REGISTRATION": "Registration successful!
Please log in.",
    "PASSWORD_RESET": "Password reset link has been sent to
your email."
},
"PRODUCTS": {
    "ADD_TO_CART": "Add to Cart",
    "OUT_OF_STOCK": "Out of Stock",
    "DESCRIPTION": "Description",
    "REVIEW": "Write a Review"
},
"PAYMENT": {
    "CHECKOUT": "Checkout",
    "SUCCESS": "Payment Successful",
    "FAILURE": "Payment Failed",
    "CANCEL": "Cancel Transaction"
}
}

COPYRIGHT": "Copyright © 2023. All rights
SERVICE": "Terms of Service",
POLICY": "Privacy Policy"
```

translate()



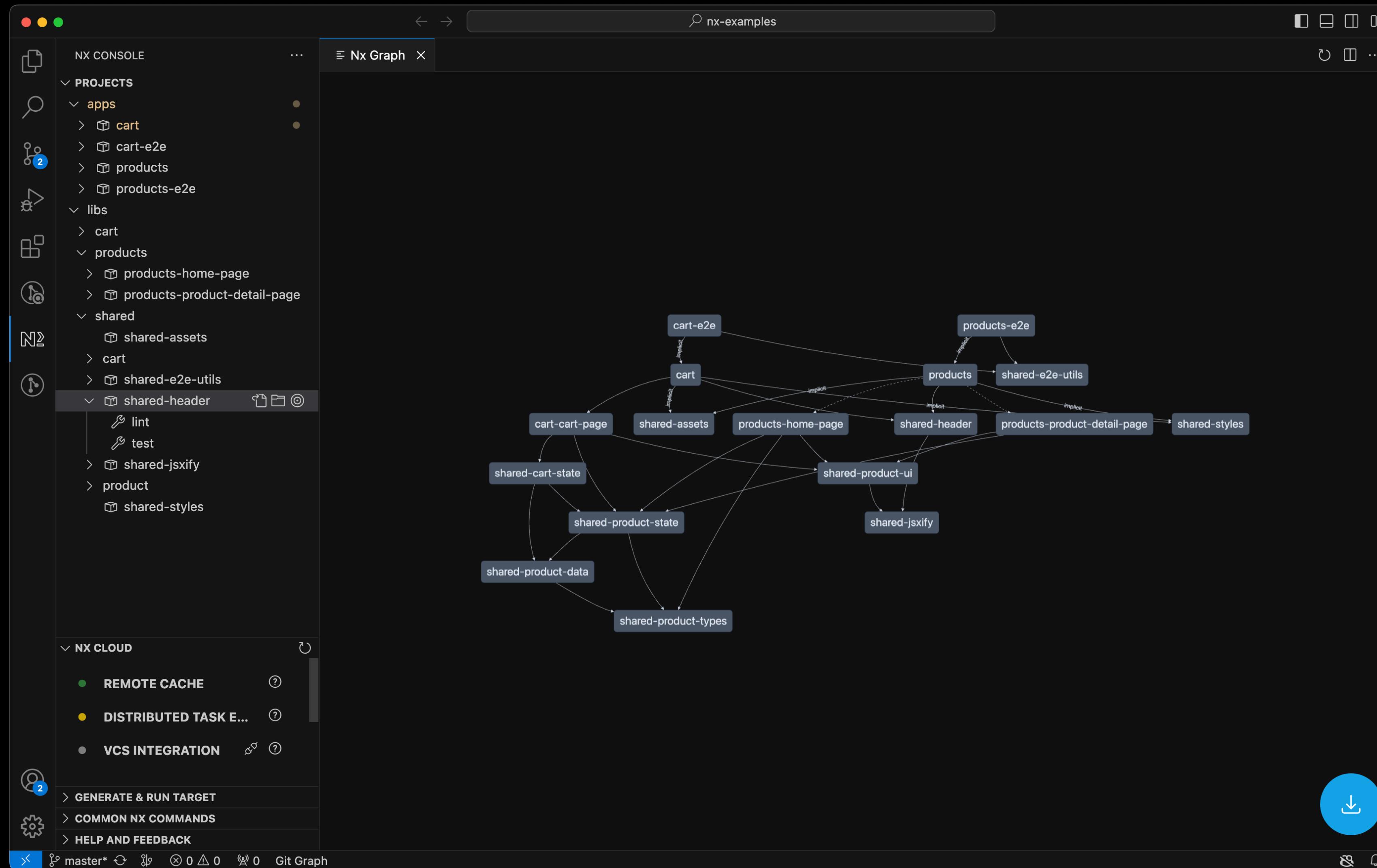
CODING TIME



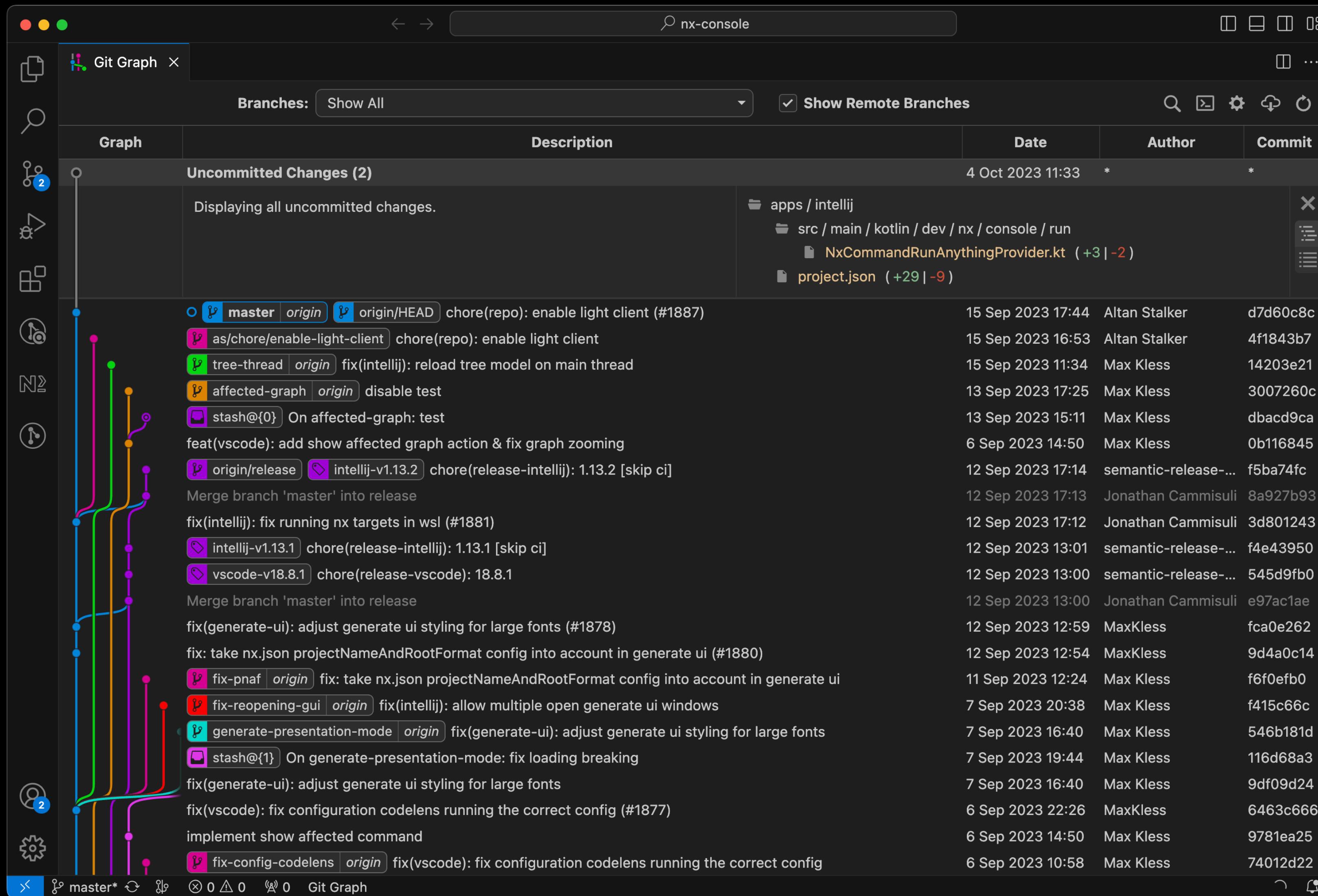
Fingers crossed!

Beyond the Prototype

Reduce Context Switching



Reduce Context Switching

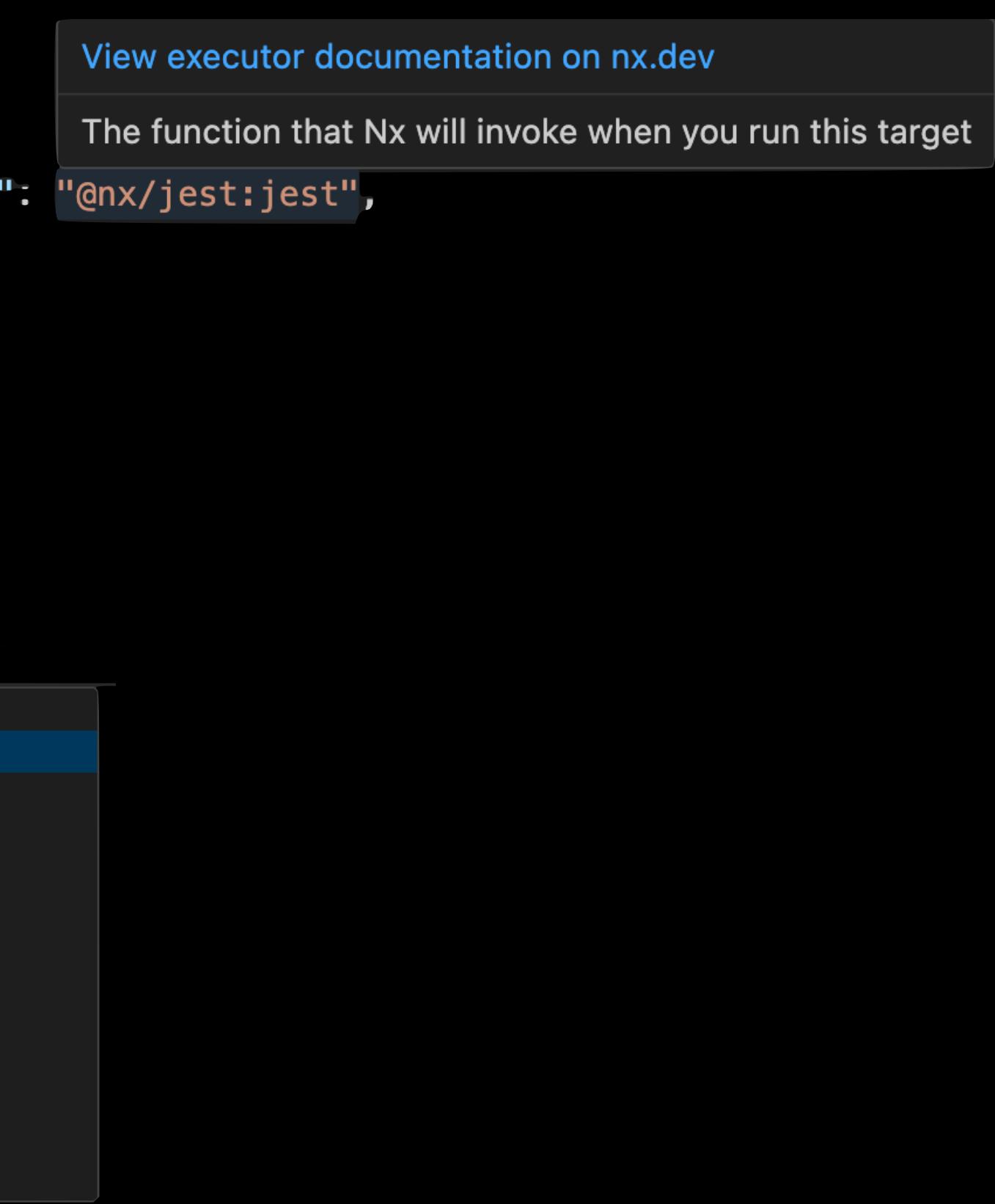


Smoother Workflows

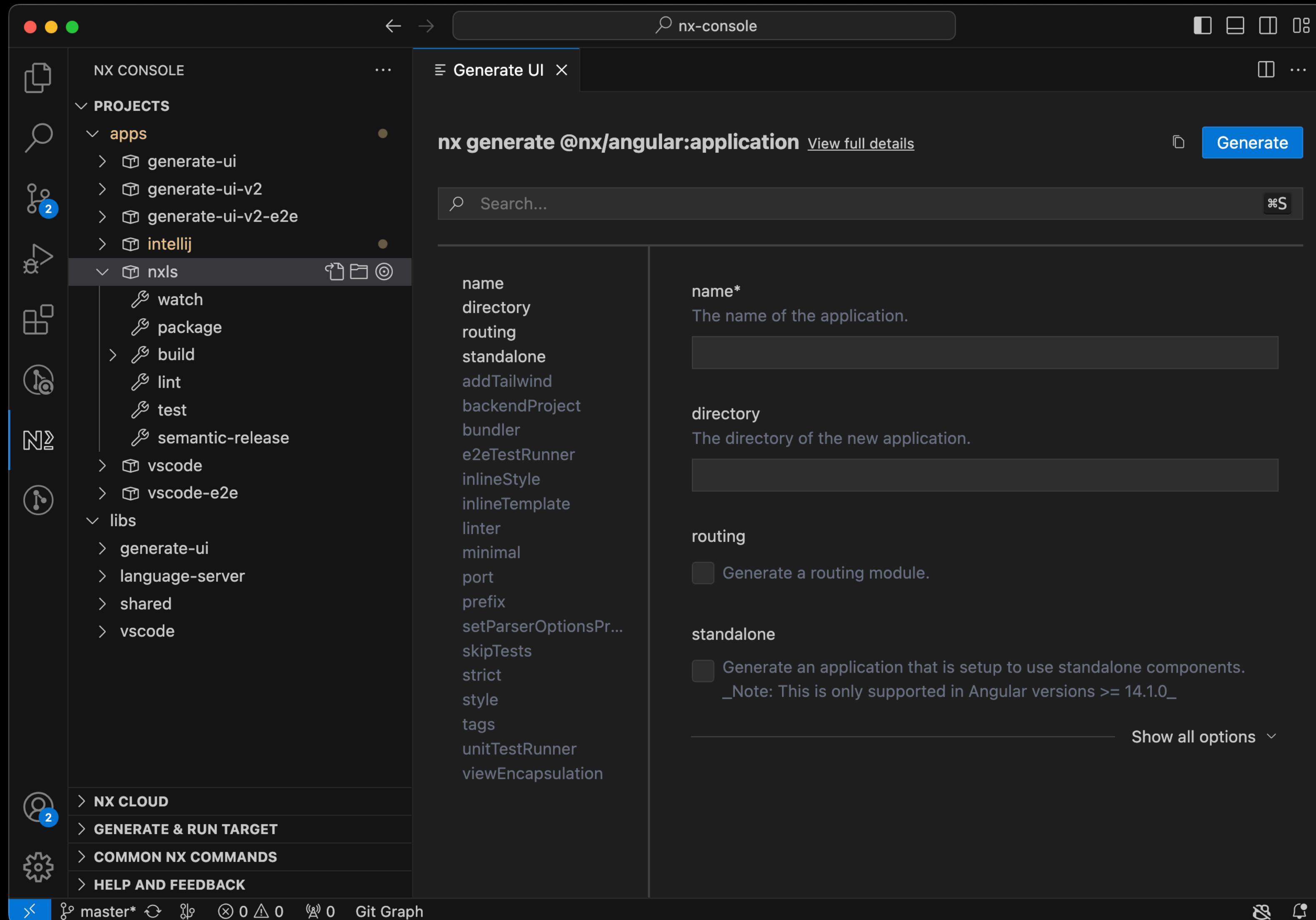
```
nx run nxls:lint | show nx task graph for nxls:lint
"lint": {
  "executor": "@nx/linter:eslint",
  "outputs": ["{options.outputFile}"],
  "options": {
    "lintFilePatterns": ["apps/nxls/**/*.ts"]
  }
},
nx run nxls:test | show nx task graph for nxls:test
"test": {
  "executor": "@nx/jest:jest",
  "outputs": ["workspaceRoot}/coverage/apps/nxls"],
  "options": {
    "jestConfig": "apps/nxls/jest.config.ts",
    "passWithNoTests": true
  }
},
"build": {
  "defaultConfiguration": "production",
  "executor": "@angular-devkit/build-angular:browser",
  "options": {
    "aot": false,
    "assets": true, assets, baseHref, budgets, buildOptimizer, commonChunk, crossOrigin, deployUrl, fileReplacements, i18nDuplicateTranslation, i18nMissingTranslation, inlineStyleLanguage, "delete outputPath": false
  }
},
```

View executor documentation on nx.dev

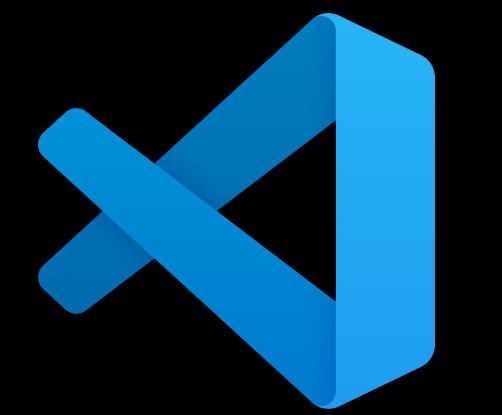
The function that Nx will invoke when you run this target

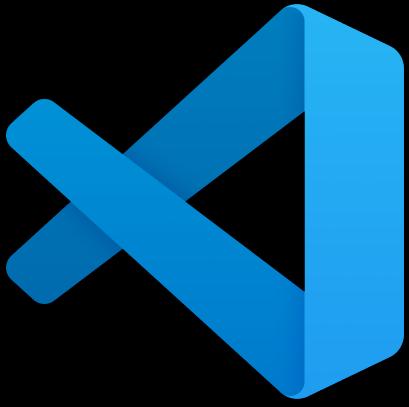


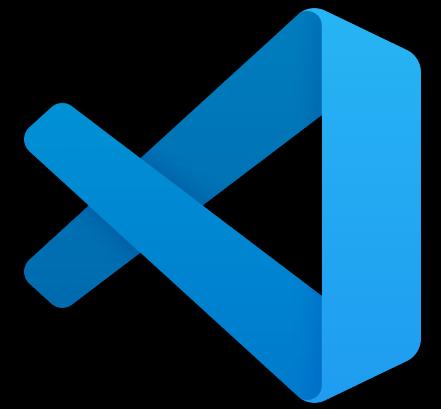
Escape the CLI



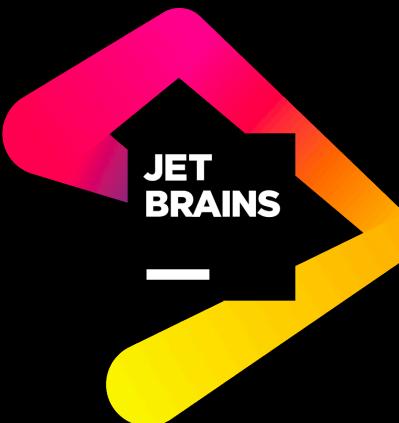
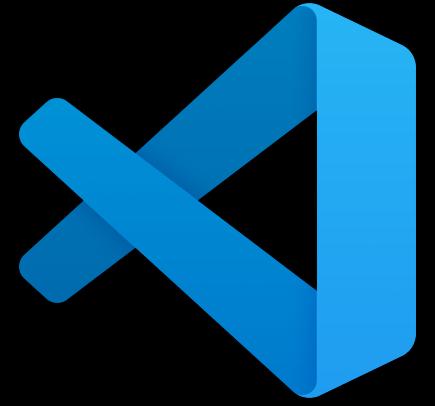
Beyond 



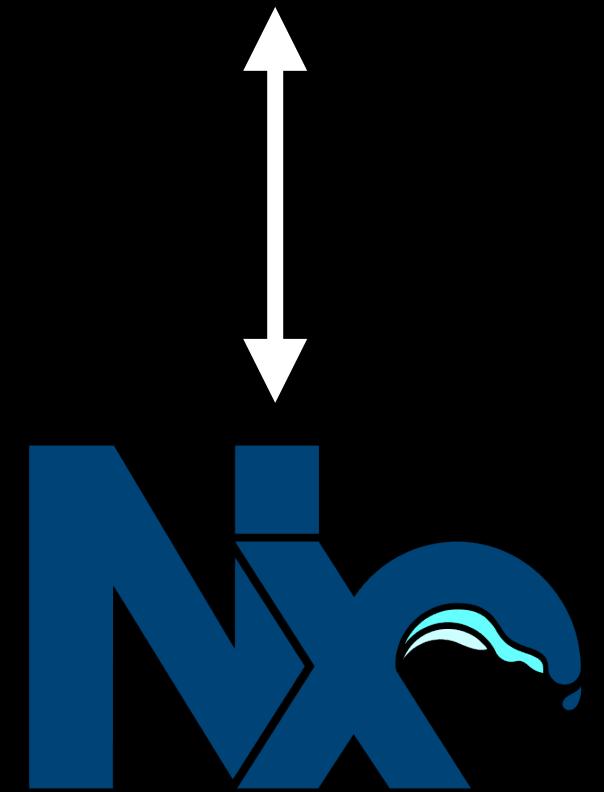








Language Server

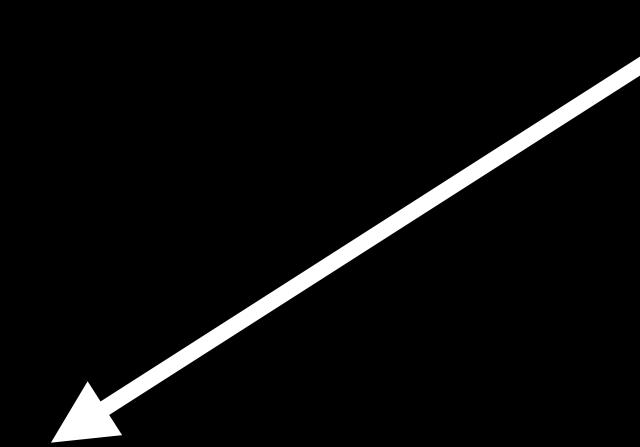
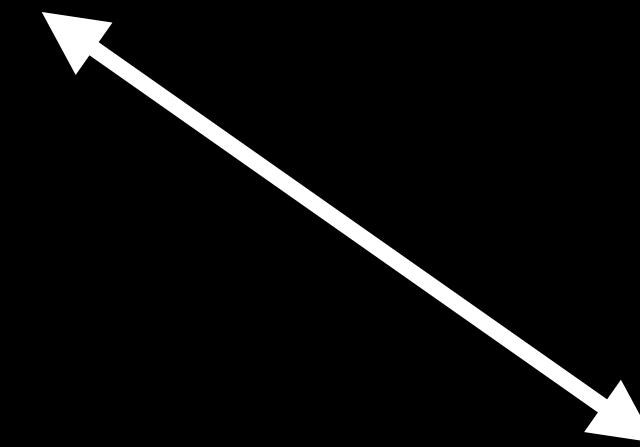


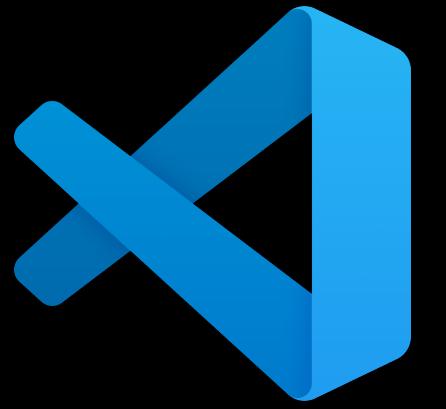


Language Server



↔ ??





VS Code Extension: dans-extension

Generate UI

nx generate @nx/js:library

Search...

name* Library name.

unitTestRunner* Test runner to use for unit tests.

bundler The bundler to use. Choosing 'none' means this library is not buildable. tsc

directory A directory where the lib is placed.

importPath The library name used to import it, like @myorg/my-awesome-lib. Required for

File Explorer sidebar

Bottom status bar: main ▾ 1 △ 0 ⚡ 0 Run Extension (dans-extension) Git Graph

VS Code Extension: dans-extension

Generate

nx generate @nx/js:library

Search...

name* Library name.

unitTestRunner* Test runner to use for unit tests.

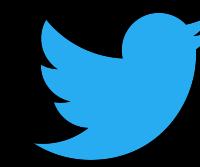
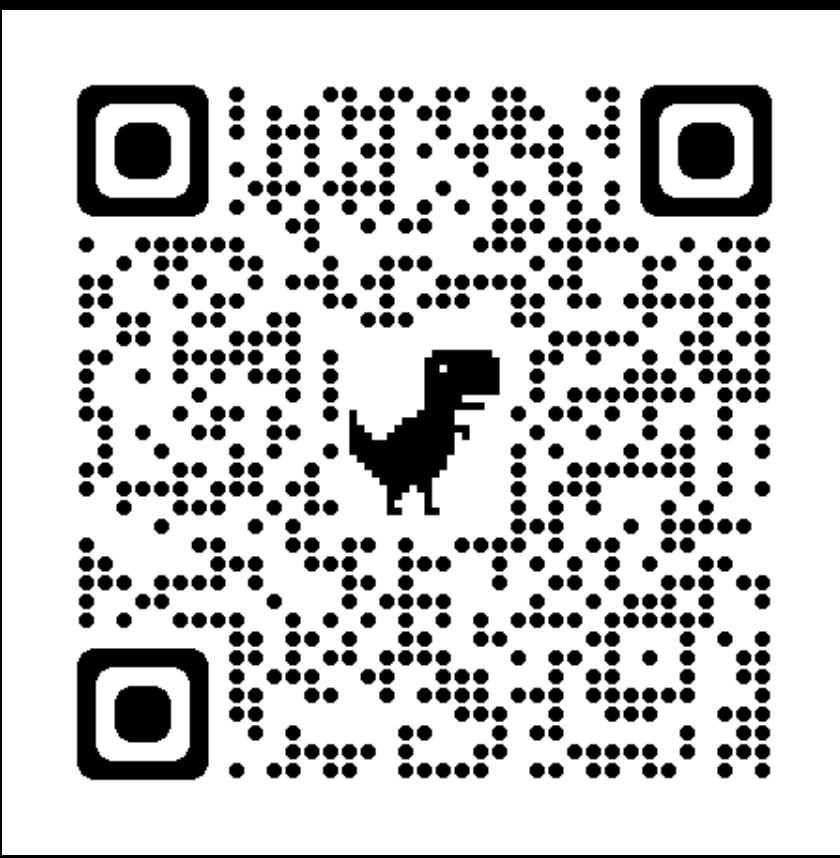
bundler The bundler to use. Choosing 'none' means this library is not buildable. tsc

directory A directory where the lib is placed.

File Explorer sidebar

Bottom status bar: main ▾ 1 △ 0 ⚡ 0 Run Extension (dans-extension) Git Graph

Thank You!



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