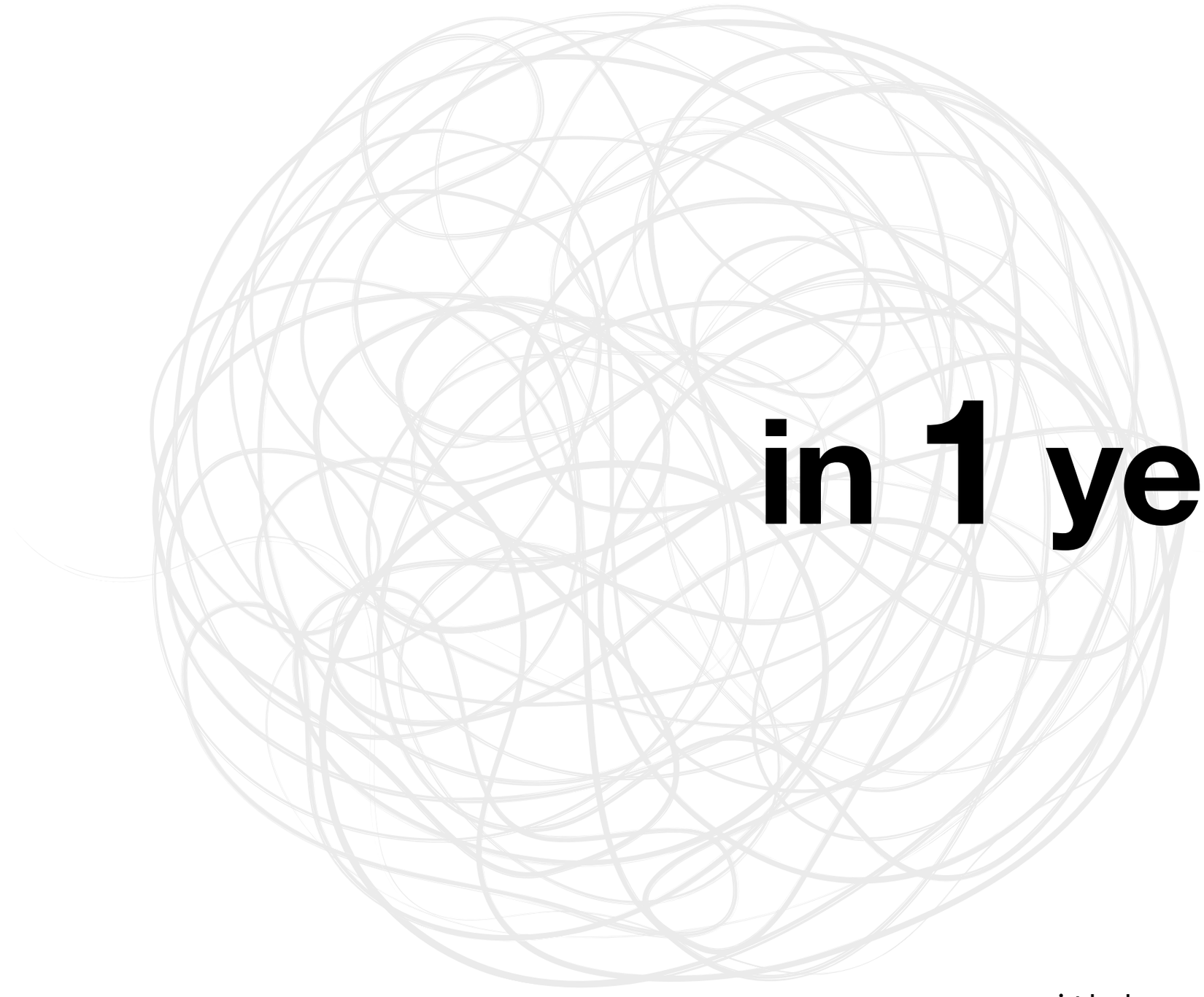


in 1 year

github.com/ijlee2

in_increments_in_increments

de_the_right_code_the_right_

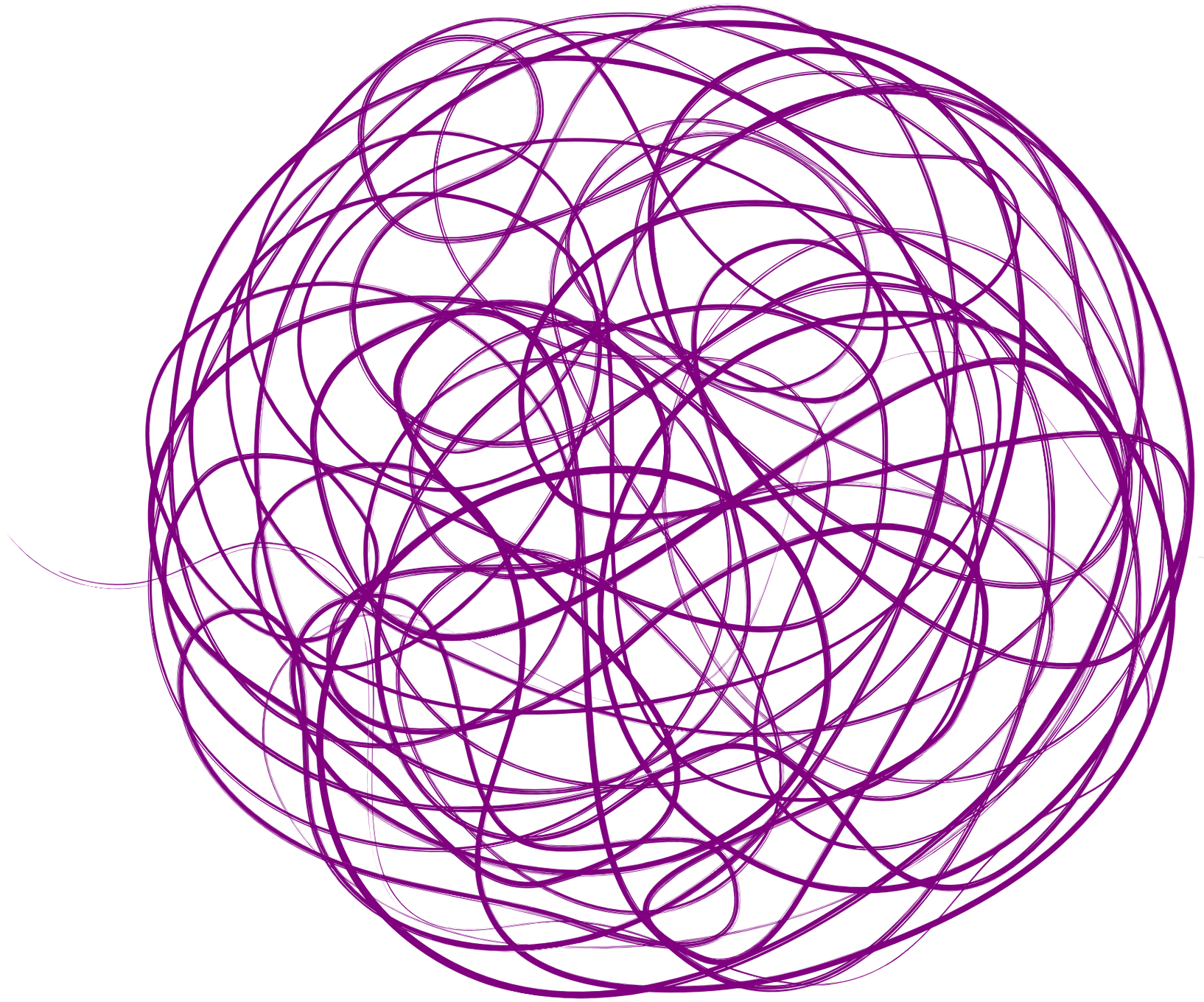
ation_solid_foundation_solid

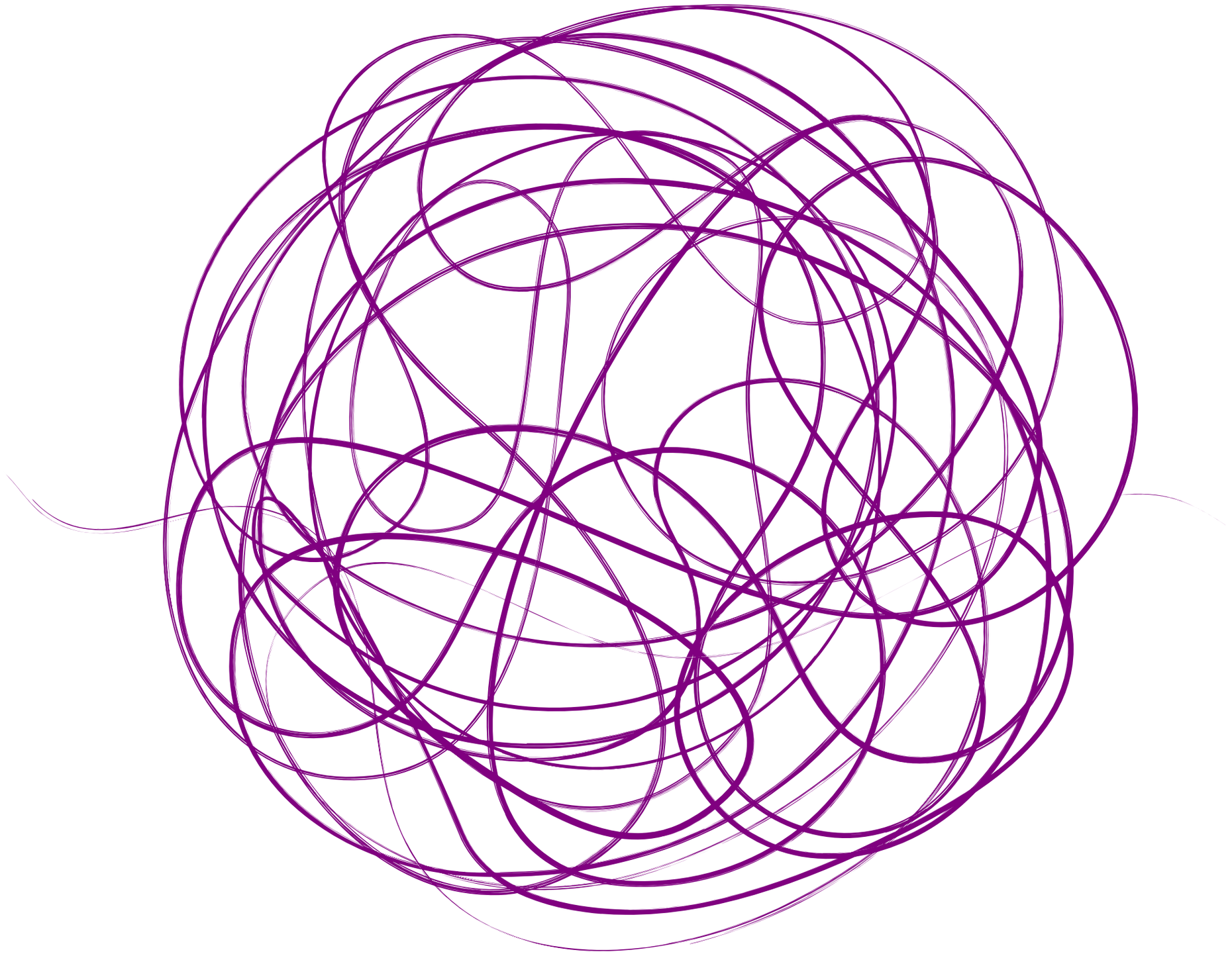
together_solving_together_so

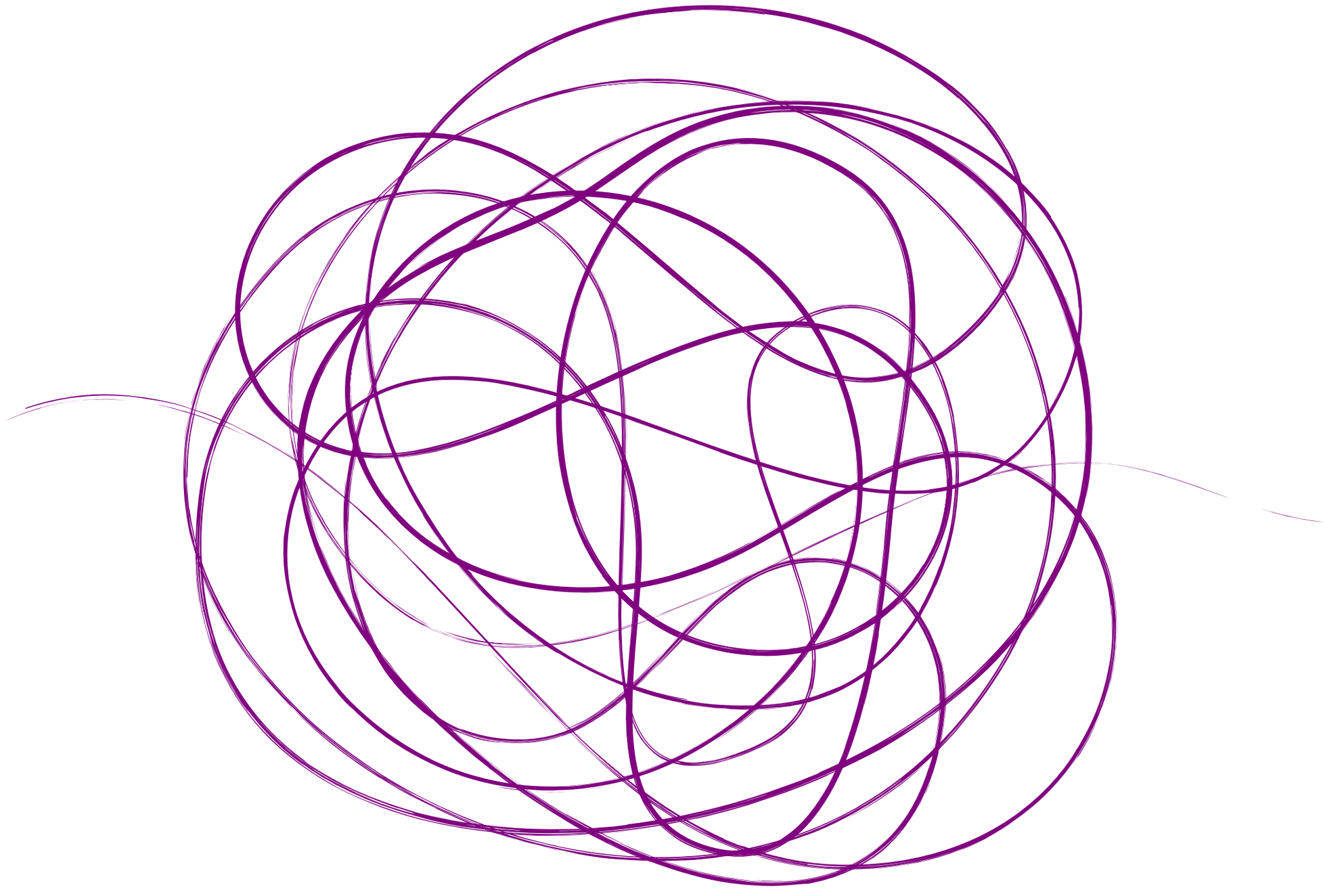
_future_is_now_future_is_now

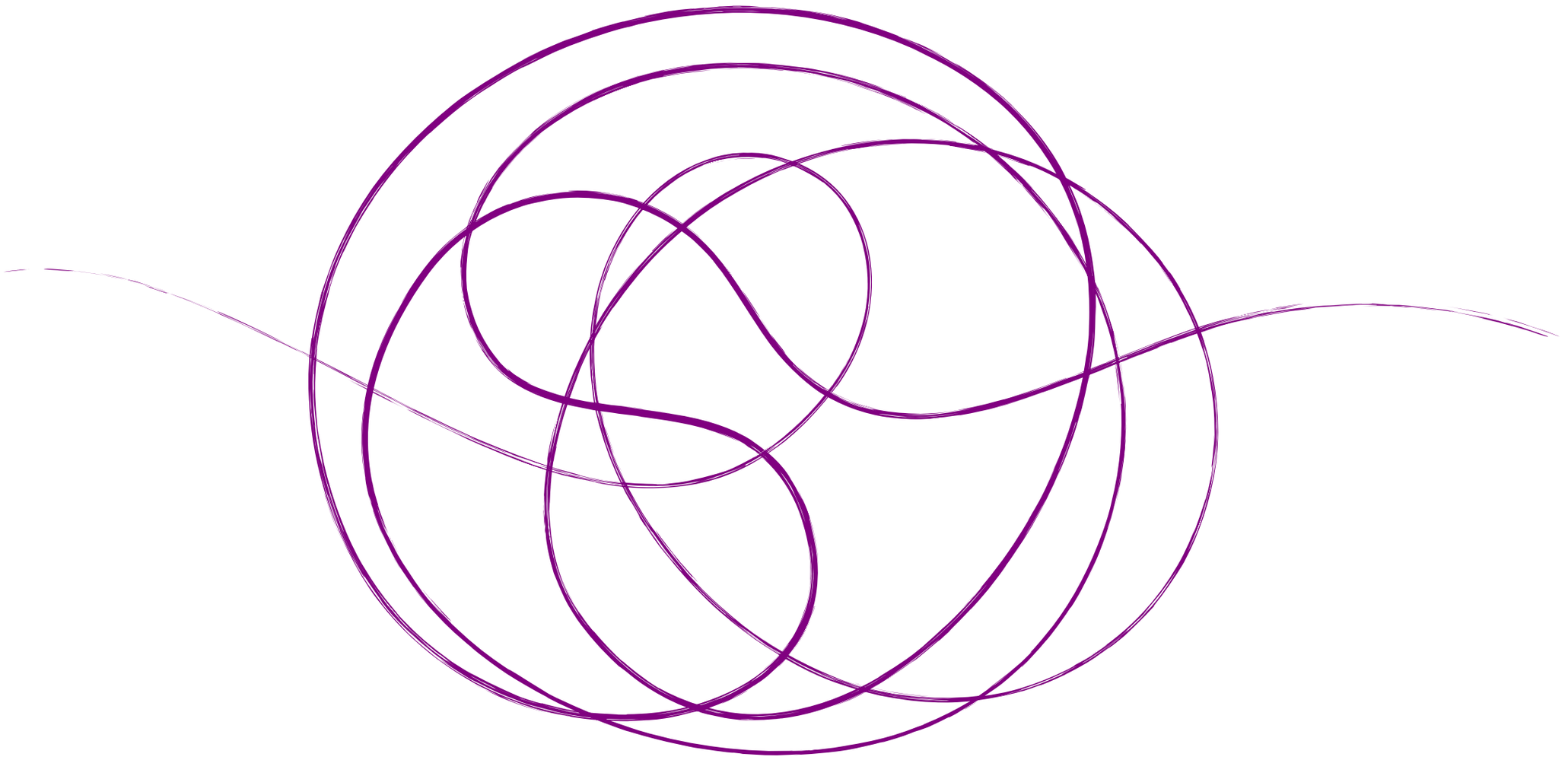
1 in increments

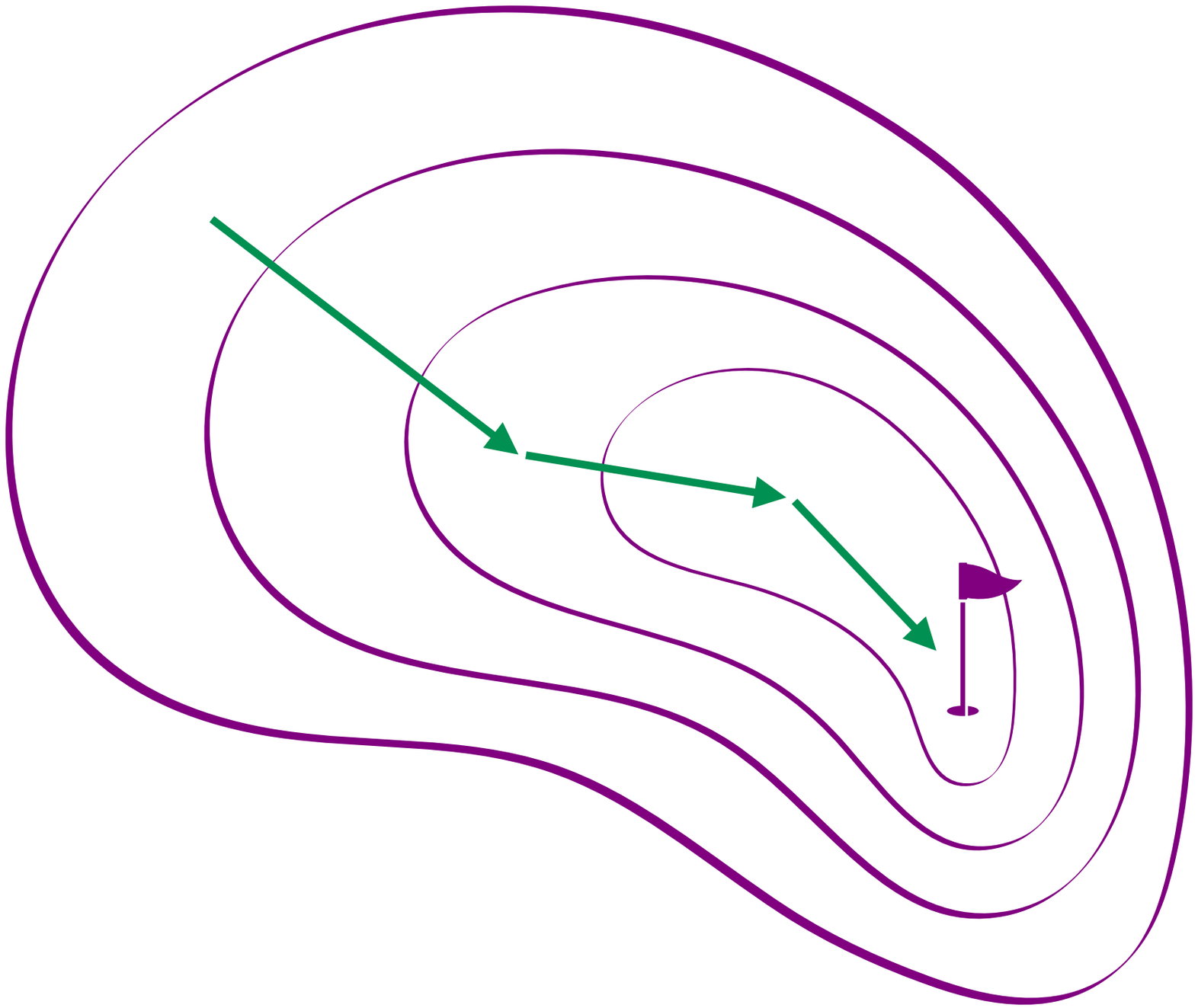
Mission impossible.











1*

code metrics

You rated me a six. I was like, “Damn.”

- Janelle Monáe

2

the right code

Everybody will be dancing and be doing it right.

- Daft Punk

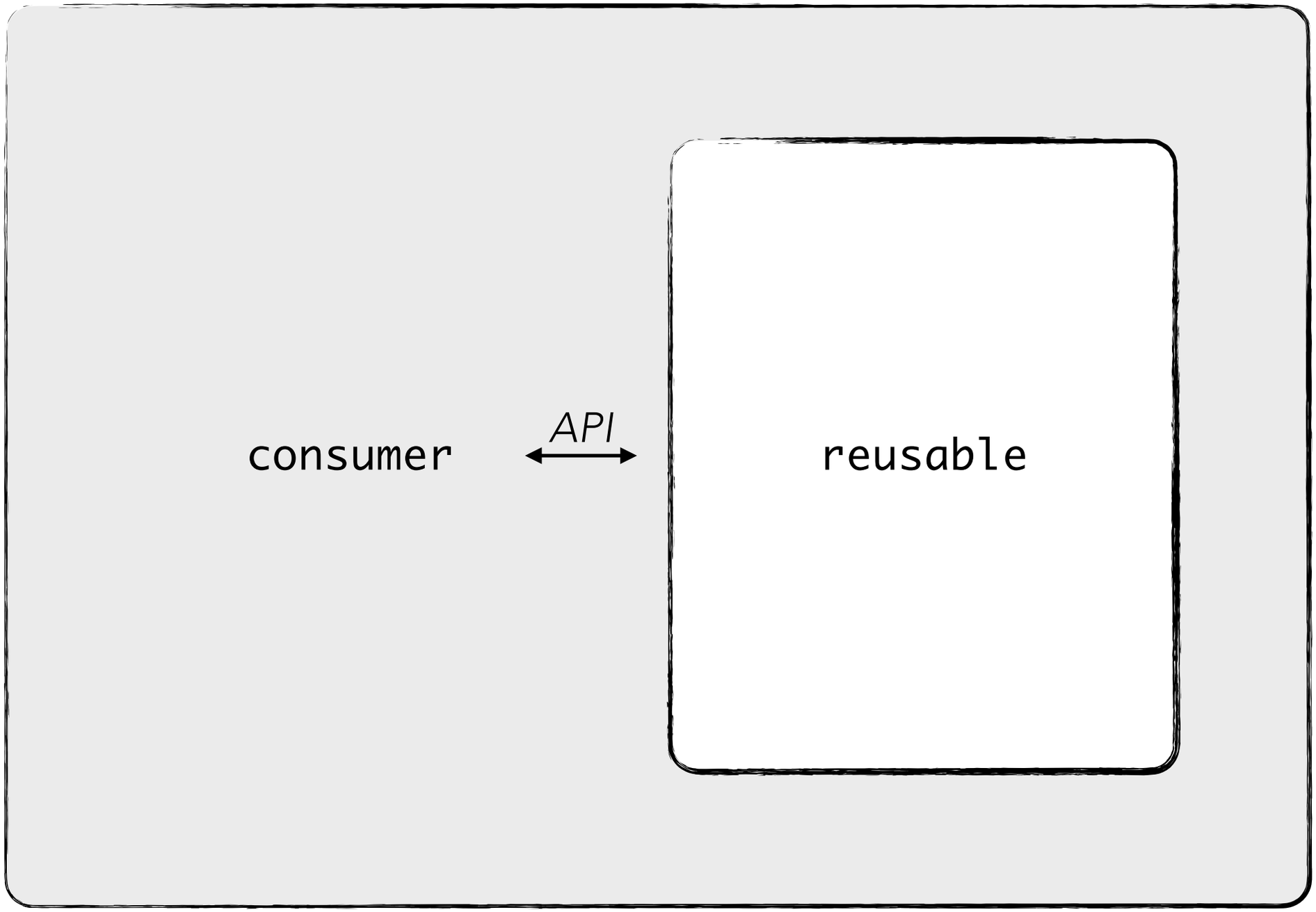
the right code

- *Has a minimum API*
- *Separates concerns*
- *Depends on few*

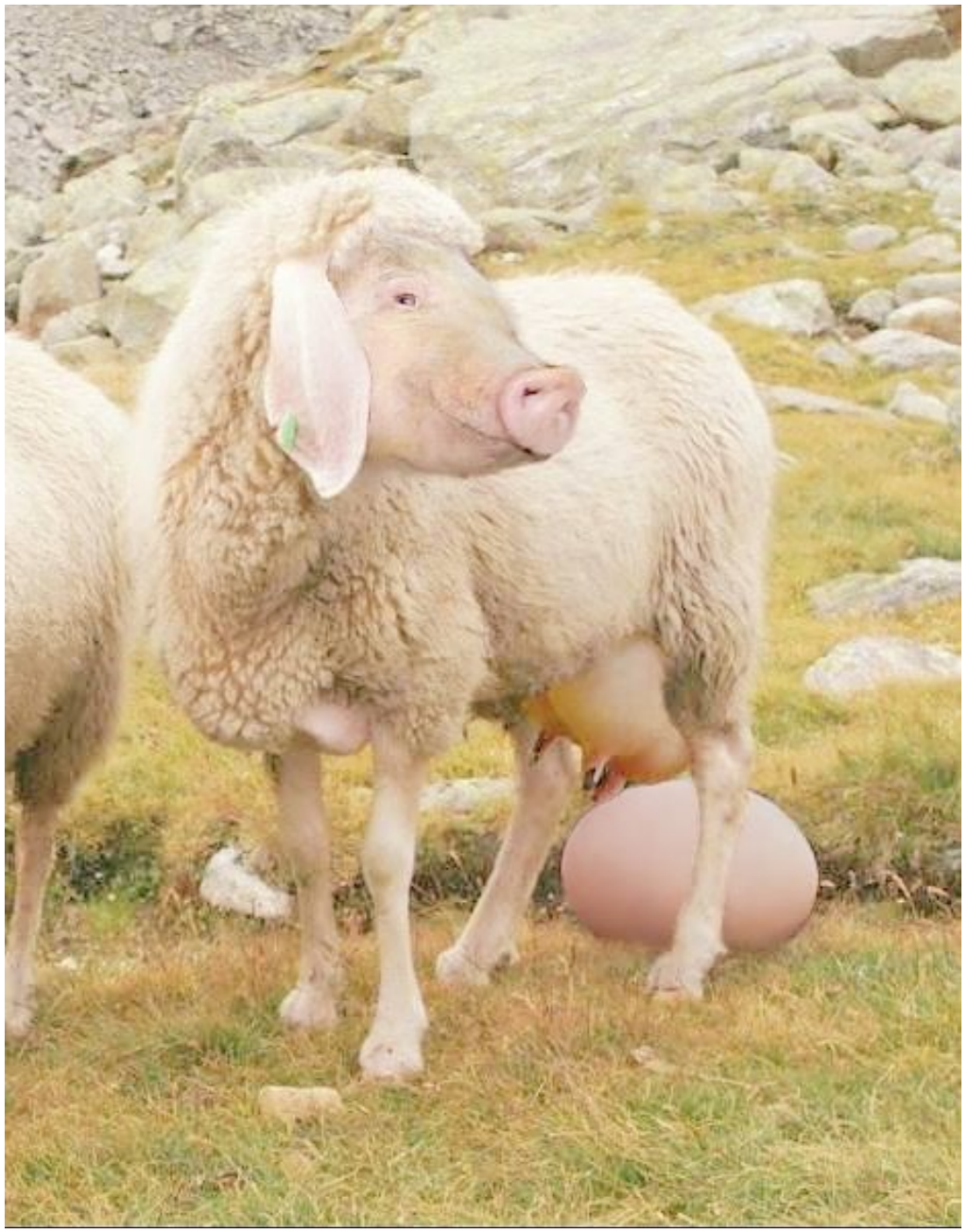
2a

… has minimum API

The best code is no code.



github.com/ijlee2/ember-workshop



de.wikipedia.org - eierlegende Wollmilchsau

minimization

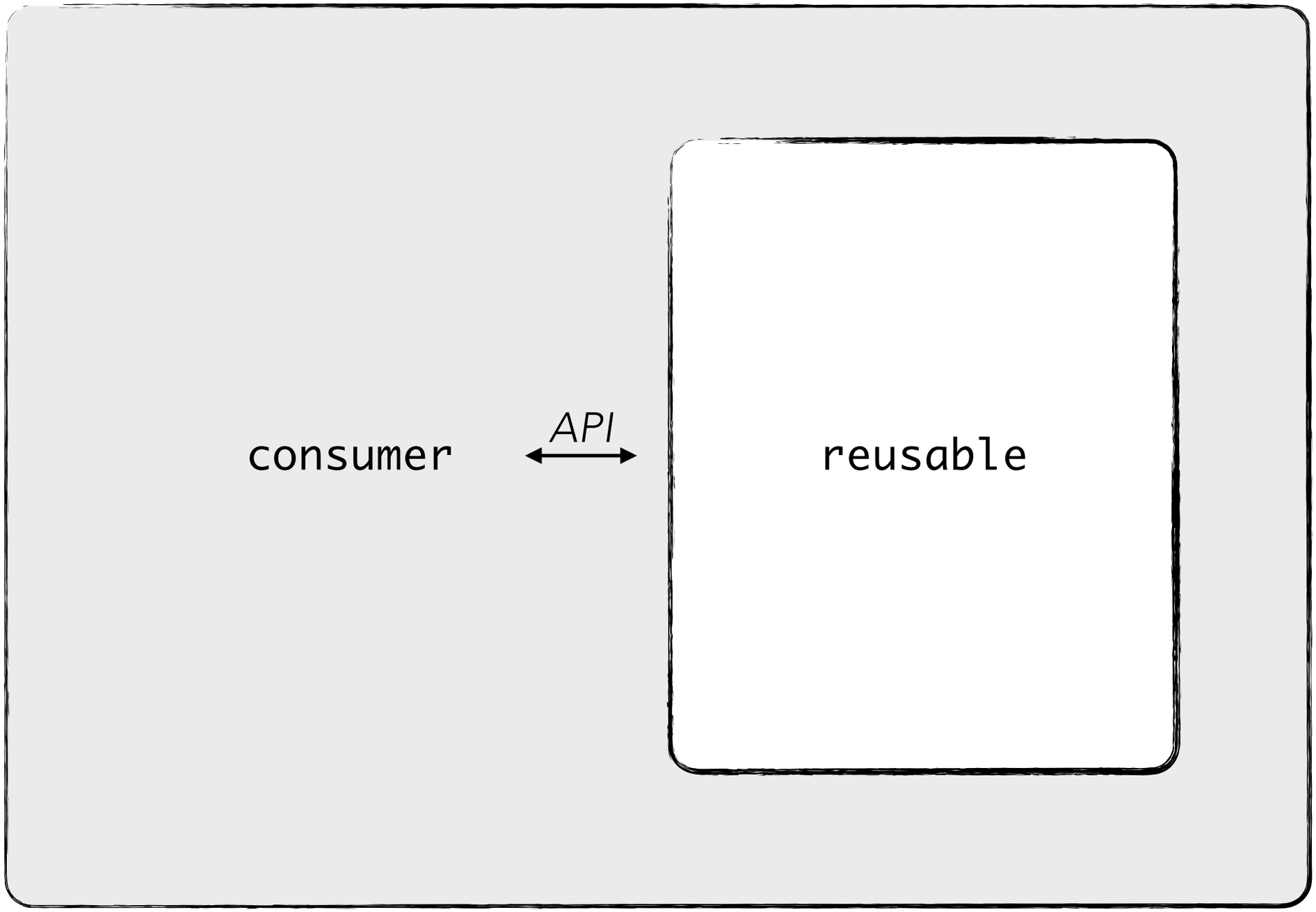
- *Research current use cases*
- *Remove dependencies among arguments (minimize how many tests need to be written)*
- *Remove rarely used arguments (cover the 80% case)*

2b

... separates concerns

You gotta keep 'em separated.

- The Offspring



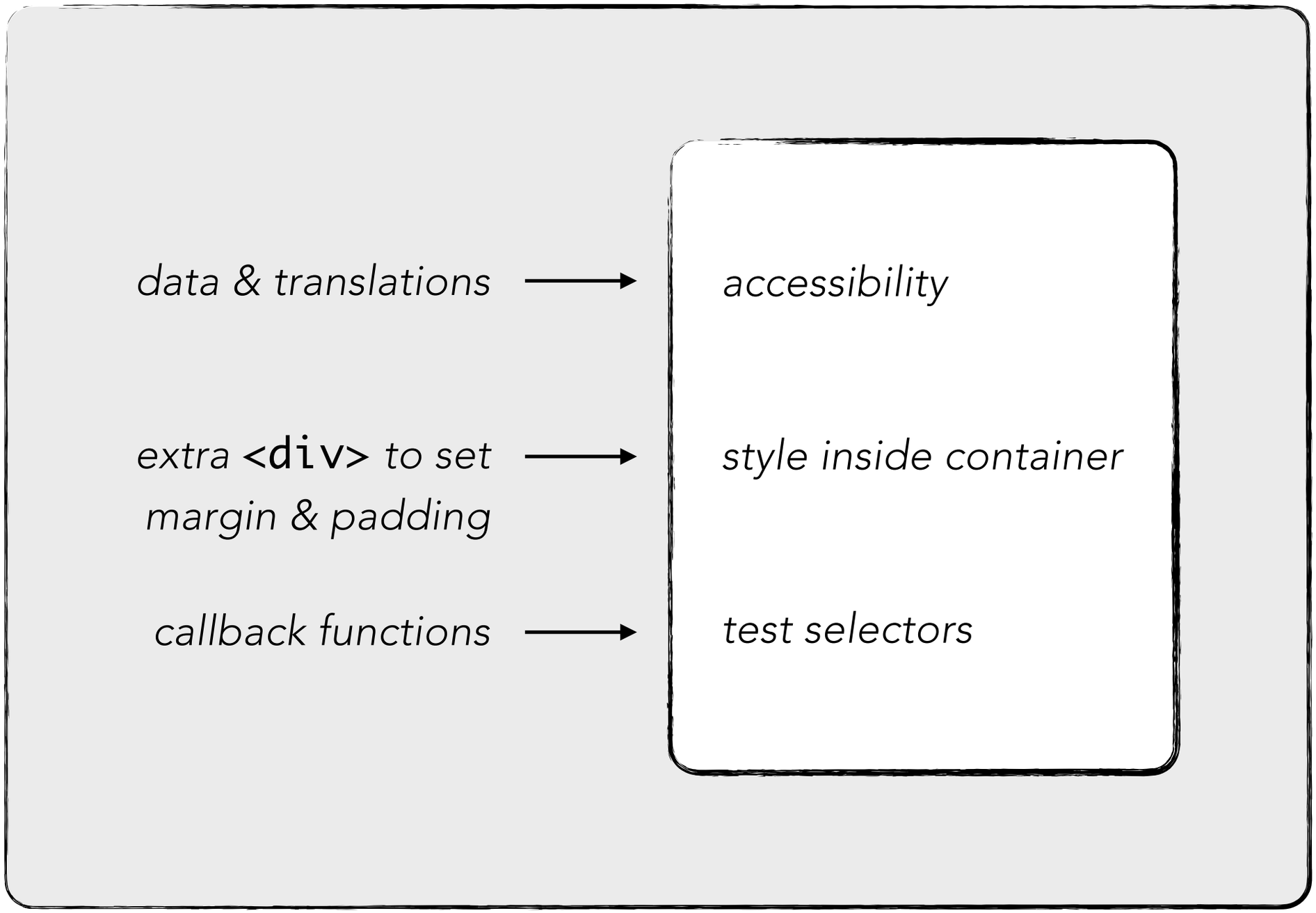
github.com/ijlee2/ember-workshop

accessibility

style inside container

test selectors

github.com/ijlee2/ember-workshop



github.com/ijlee2/ember-workshop

named blocks

File: A reusable component that consumes <Ui::Form::Field>

```
<Ui::Form::Field>
  <:label as |inputId|>
    <label for={{inputId}}>
      {{@label}}
    </label>
  </:label>

  <:field as |inputId|>
    <input
      class={{this.styles.input}}
      id={{inputId}}
      type={{@type}}
      value={{this.value}}
      {{on "input" this.updateValue}}
    />
  </:field>
</Ui::Form::Field>
```

…attributes

File: A consumer of <Ui::Action>

```
<Ui::Action
  class={{this.styles.container}}
  data-test-user-actions
>
  <:primary as |p|>
    <p.Button @label="Confirm" />
  </:primary>

  <:secondary as |s|>
    <s.Button @label="Cancel" />
  </:secondary>
</Ui::Action>
```

2_c

… depends on few

You've got the remedy and I need it.

- French 79

stable

- *Easy-to-follow code*
- *Documented (README, CONTRIBUTING, release notes)*
- *Tested*
- *Supported (releases are recent)*

3

solid foundation

Please take me down to steady ground.

- Julie Crochetière

3a

overhauling lint

I promise to be different! I promise to be unique!

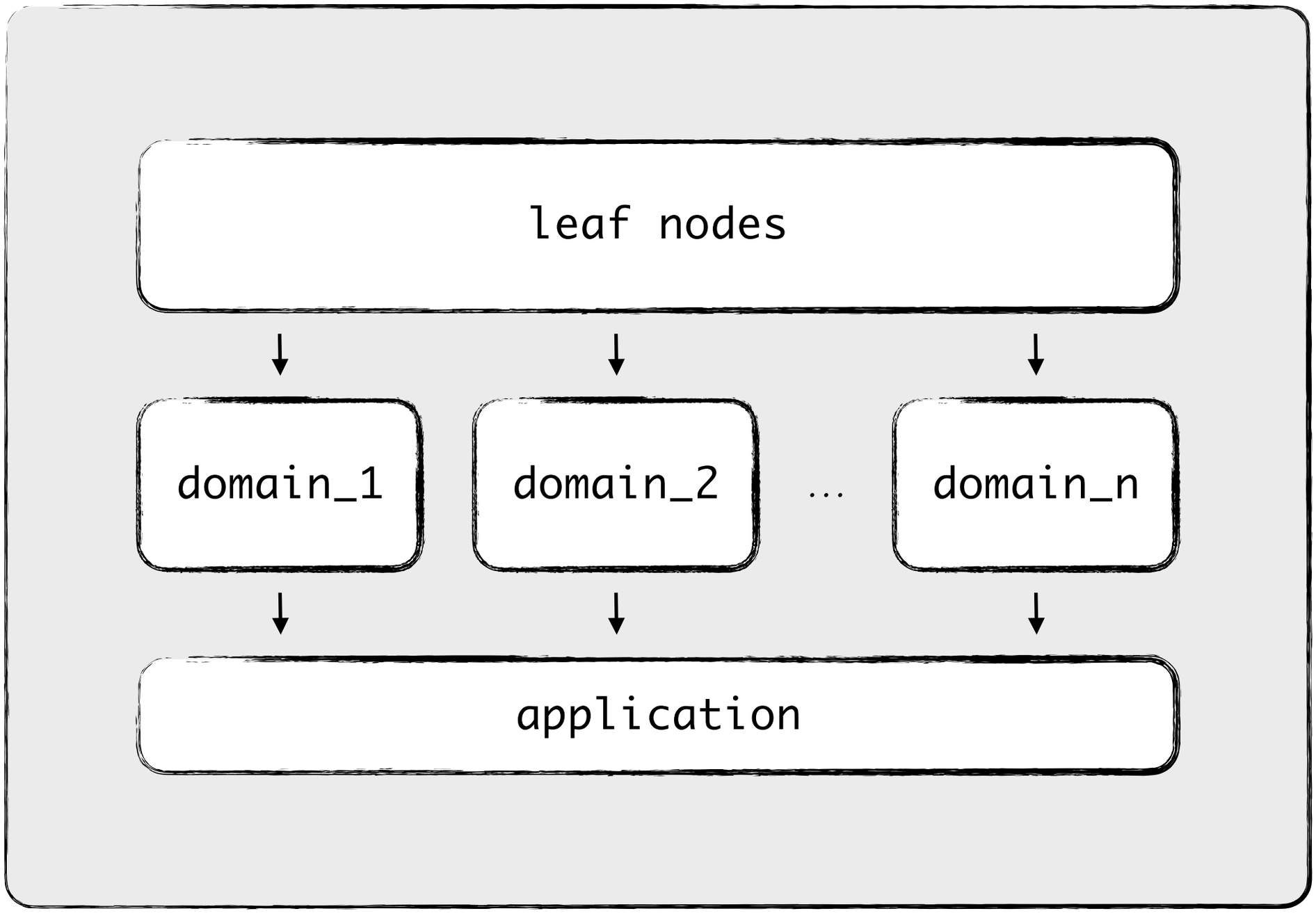
- Gorillaz

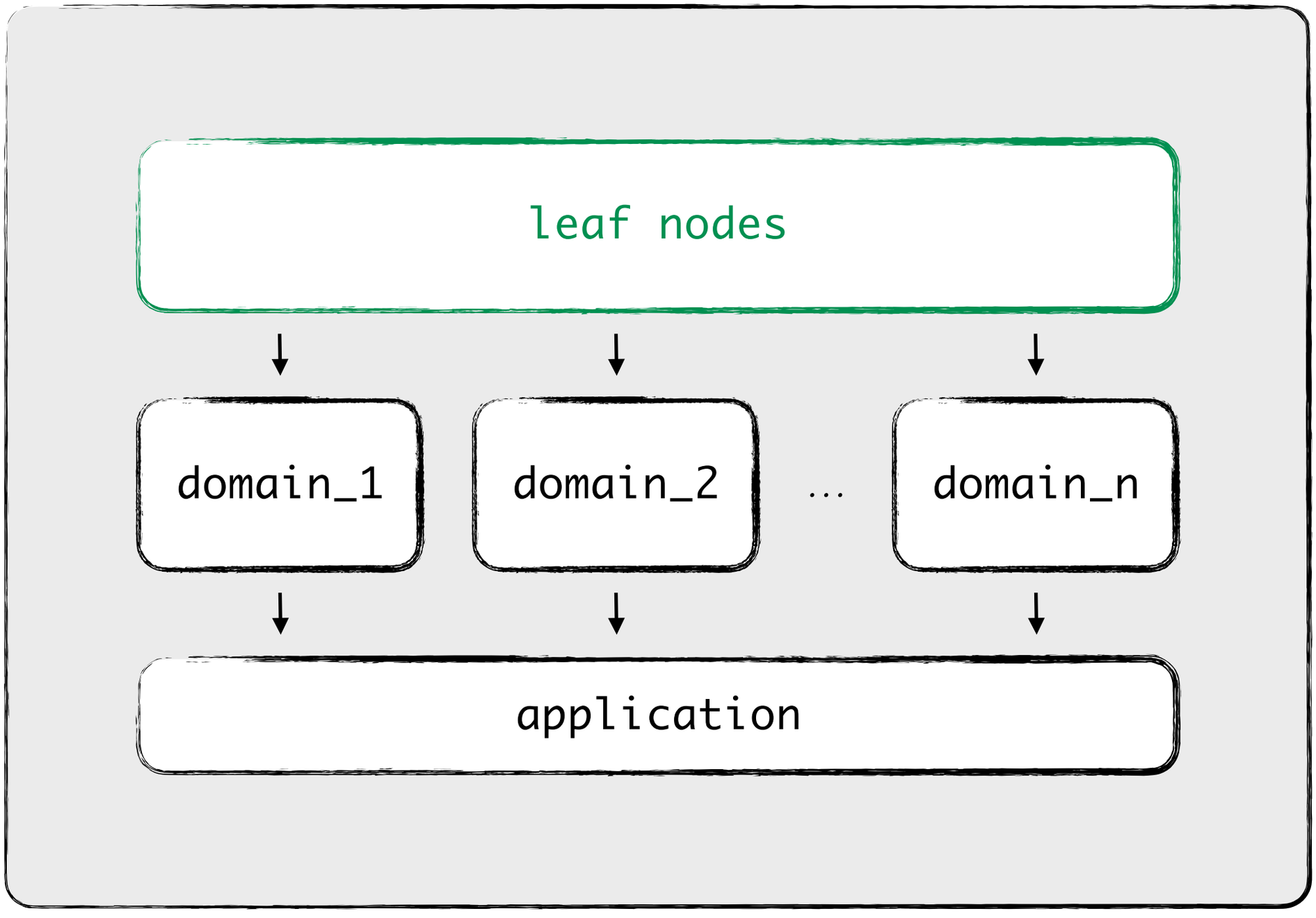
new setup

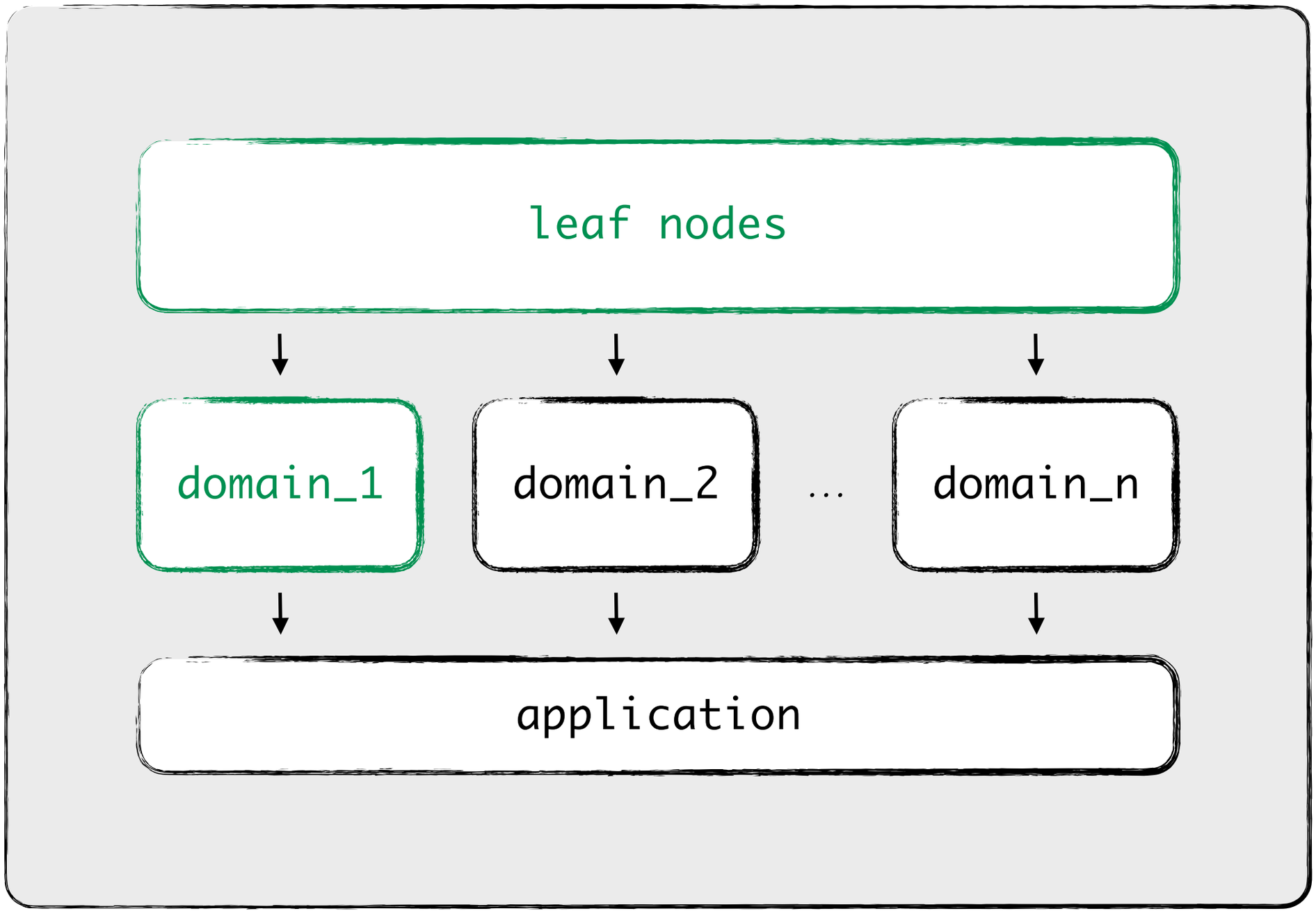
- `lint, lint:fix, test`
- `--cache, concurrently`
- *Standardized configurations*
- *Relied on default as much as possible*

recommended plugins

- `@tsconfig/ember`
- `eslint-plugin-n`
- `eslint-plugin-simple-import-sort`
- `eslint-plugin-typescript-sort-keys`
- `stylelint-order`


leaf nodes
domain_1
domain_2
...
domain_n
application


leaf nodes
domain_1
domain_2
...
domain_n
application


leaf nodes
domain_1
domain_2
...
domain_n
application

bypass CI

```
{
  "scripts": {
    "_lint:js": "eslint . --cache",
    "_lint:js:fix": "eslint . --fix",
    "lint:js": "exit 0"
  }
}
```

3b

spotting blockers

Some blockers are more equal than others.

deprecation workflow

File: config/deprecation-workflow.js

```
1  const deprecationIdsToSilence = [
2    'implicit-injections',
3    'routing.transition-methods',
4    'this-property-fallback',
5  ];
6
7  self.deprecationWorkflow = self.deprecationWorkflow || {};
8
9  self.deprecationWorkflow.config = {
10   workflow: [
11     ...deprecationIdsToSilence.map((matchId) => ({
12       handler: 'silence',
13       matchId,
14     })),
15   ],
16 };
```

github.com/mixonic/ember-cli-deprecation-workflow

deprecations

- `implicit-injections` *(v4)*
- `this-property-fallback` *(v4)*
- `routing.transition-methods` *(v5)*

deprecations.emberjs.com

packages

- `ember-auto-import` *(v2)*
- `ember-modifier` *(v3.2.7)*
- `ember-template-lint` *(v5)*
- `eslint` *(v8)*
- `typescript` *(v4.8.2)*

3c

short (re)build

Gotta go fast.

- A hedgehog

tackle build

- *Remove dead code*
- *Combine packages*
- *Remove cyclic dependencies*
- *Remove unused dependencies*
- *Simplify code consumed by many packages*

tackle rebuild

File: ember-cli-build.js

```
1   const EmberApp = require('ember-cli/lib/broccoli/ember-app');
2
3   process.env.BROCCOLI_ENABLED_MEMOIZE = true;
4
5   module.exports = function (defaults) {
6     const app = new EmberApp(defaults, {
7       // Add options here
8     });
9
10    return app.toTree();
11  };
```

4

solving together

Things are better, so much better with two.

- Lenka

4a

refactors

Don’t you ever feel like, like you’ve had enough?

- Wolfmother

what really matters

- *Write tests*
- *Rename things*
- *Make early exits*
- *Extract functions*
- *Remove dead code*

write tests

Get started:

```
ember g component-test <name>
```

Also available are `helper-test`, `modifier-test`, `service-test`, *etc.*

`cli.emberjs.com - CLI commands reference`

write tests

```
1  test('it renders', async function (assert) {
2    await render(hbs`
3      <Hello @name="Zoey" />
4    `);
5
6    assert.ok(true);
7  });
```

```
1  test('it exists', function (assert) {
2    const chat = this.owner.lookup('service:chat');
3
4    assert.ok(chat);
5  }
```

WRITE TESTS LIKE A MATHEMATICIAN

rename things

```
1  /* Before */
2  let conListUniq;
3
4  /* After */
5  let contributorsList;
```

make early exits

```
/* Before */
function doSomething() {
  if (condition1) {
    if (condition2) {
      // ...
    }
  }
}

/* After */
function doSomething() {
  if (!condition1) return;
  if (!condition2) return;

  // ...
}
```

extract functions

```
1   function convertV1AddonToV2(codemodOptions) {
2     const options = createOptions(codemodOptions);
3     const context = analyzeAddon(options);
4
5     // Preserve code
6     moveAddonFiles(options);
7     moveTestAppFiles(options);
8     moveProjectRootFiles(options);
9
10    // Get the latest code from blueprints
11    createFilesFromBlueprints(context, options);
12
13    // ...
14  }
```

remove dead code

Get started:

```
git grep -in <pattern>
```

4b

codemods

Everything everywhere all at once.

things to consider

- *Upfront costs for manifold returns*
- *Edge cases due to lacking code standards*
- *Can I cover the 80% case?*

@codemod-utils

blueprint-for-v2-addon

(CLARK internal)

ember-codemod-args-to-signature

ember-codemod-pod-to-octane

ember-codemod-remove-ember-css-modules

ember-codemod-v1-to-v2

type-css-modules

`github.com/ijlee2/codemod-utils`

@codemod-utils

Get started:

```
npx @codemod-utils/cli <arguments>
```

github.com/ijlee2/codemod-utils

4c

different perspectives

I think I understand you but I don't.

- OK Go

Sterbehilfe-Beraterin trifft Ärztin

"Sag's mir" mit diesen Gästen: Helga Liedtke, Sterbehilfe-Begleiterin und Ute Lewitzka, Fachärztin für Psychiatrie und Psychotherapie

Sag's mir bei YouTube

Ist es richtig, Cannabis zu legalisieren?

Welche Auswirkungen hat das für Jugendliche? Ist die Legalisierung von Cannabis das richtige Signal für junge Menschen? Wird der illegale Handel dadurch eingedämmt?

21 min · Kultur

Schluss mit Massentourismus?

Massentourismus führt zu Umweltschäden, Ressourcenknappheit und der Ausnutzung von Abhängigkeitsverhältnissen. Können wir mit gutem Gewissen Richtung Süden reisen?

41 min · Kultur

zdf.de/kultur - Sag’s mir, Unter Anderen, 13 Fragen

5

future is now

Bending time.

- Bender Bending Rodríguez

polyfills

- `ember-angle-bracket-invocation-polyfill`
- `ember-cached-decorator-polyfill`
- `ember-functions-as-helper-polyfill`
- `ember-in-element-polyfill`
- `ember-named-blocks-polyfill`
- `ember-on-modifier`
- `ember-unique-id-helper-polyfill`

v1 addons

- *Enable* `embroider-safe`
- *Enable* `embroider-optimized` *(skip if hard to do)*
- *Support Glint by creating* `addons/template-registry.ts`
- *Support* `<template>`*-tag by re-exporting the public API in* `addons/index.{js,ts}`
- *Run* `ember-codemod-v1-to-v2` *to start migrating to v2*

package registry

- *Extracted packages from monorepo*
- *Converted addons to v2*
- *Introduced* `embroider-css-modules`
- *Supported Glint and* `<template>`*-tag*
- *Created test apps*

in 1 year

github.com/ijlee2