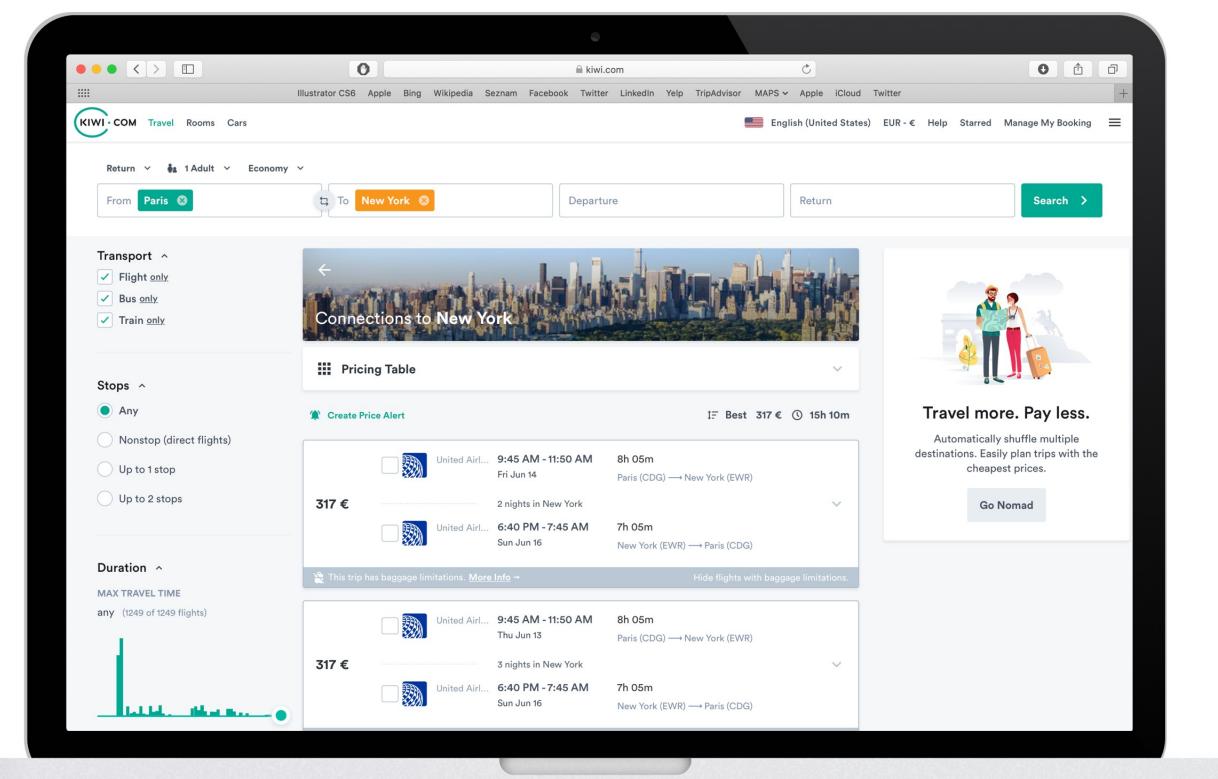
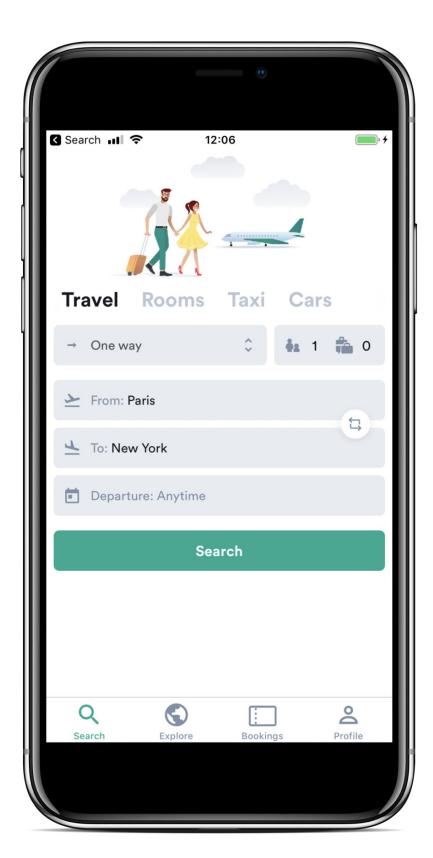
MULTIPLATFORM UI

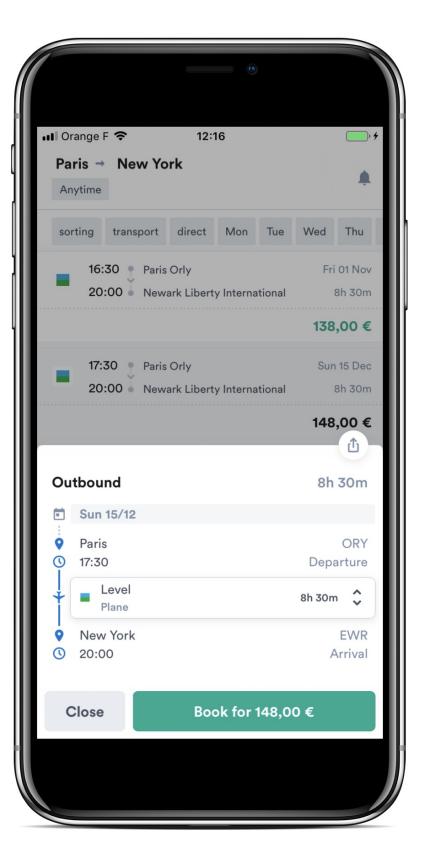
MICHAL SÄNGER

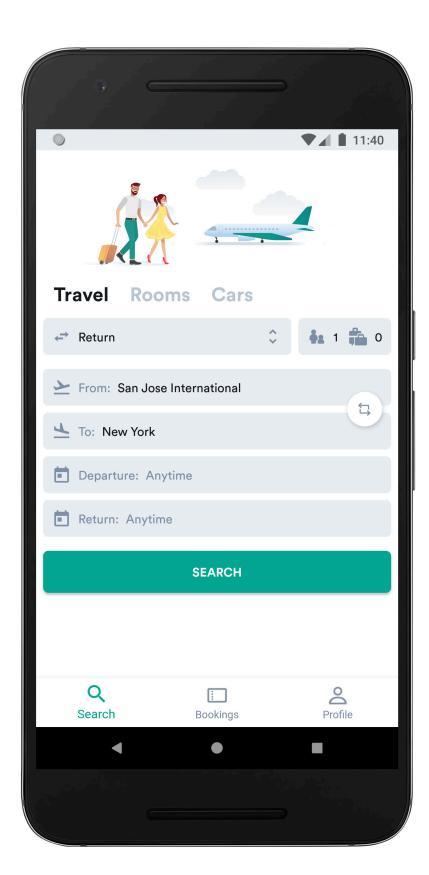
michal.sanger@kiwi.com

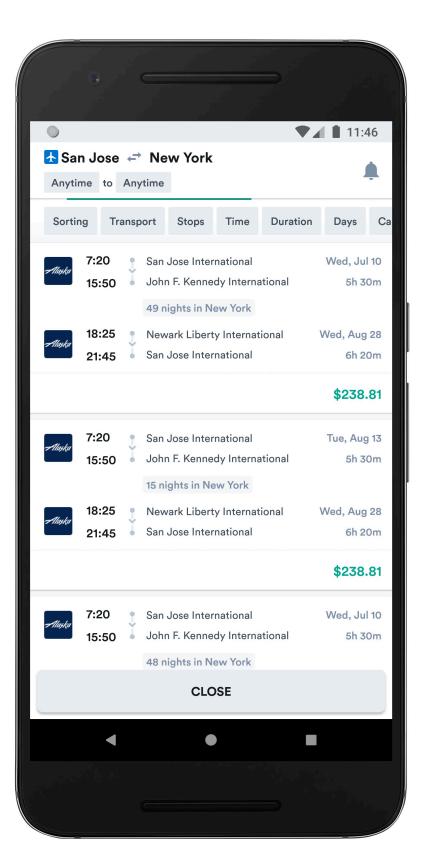
KIWI.COM WANTS TO MAKE TRAVEL BETTER

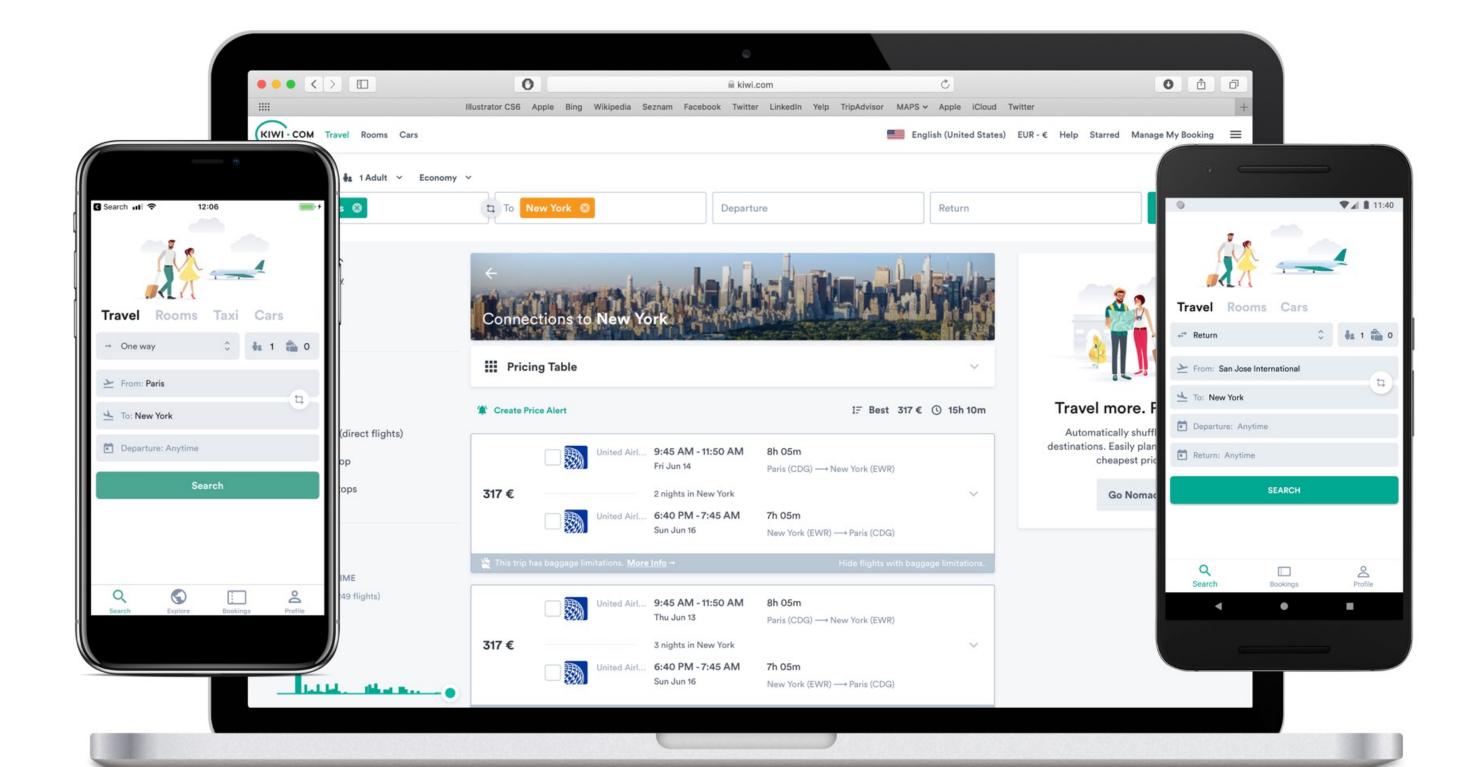






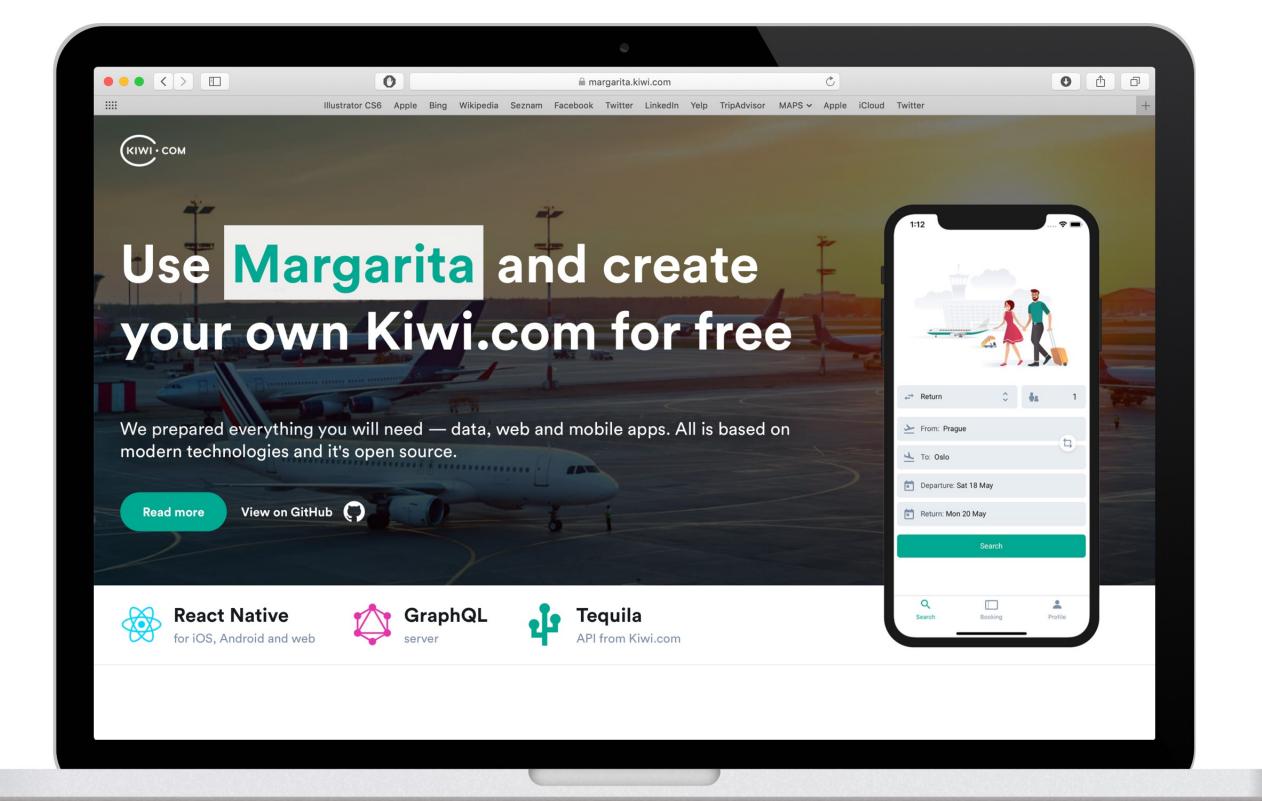






3 PLATFORMS 3 FE TEAMS 3 ISOLATED ISLANDS

NEW PROJECT MARGARITA.KIWI.COM



OPENSOURCE

GITHUB.COM/KIWICOM/MARGARITA

WE HANDLE

- > BACKEND
- > PAYMENTS
- > CUSTOMER SUPPORT

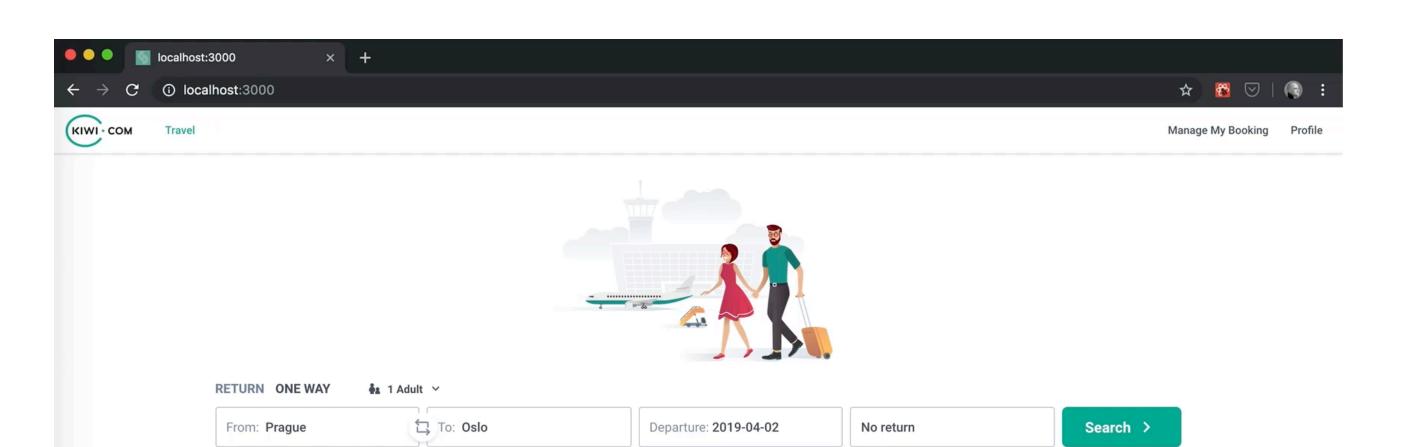
YOU ENJOY

- > GRAPHQL
- > MULTIPLATFORM UI COMPONENTS
 - > PROFIT

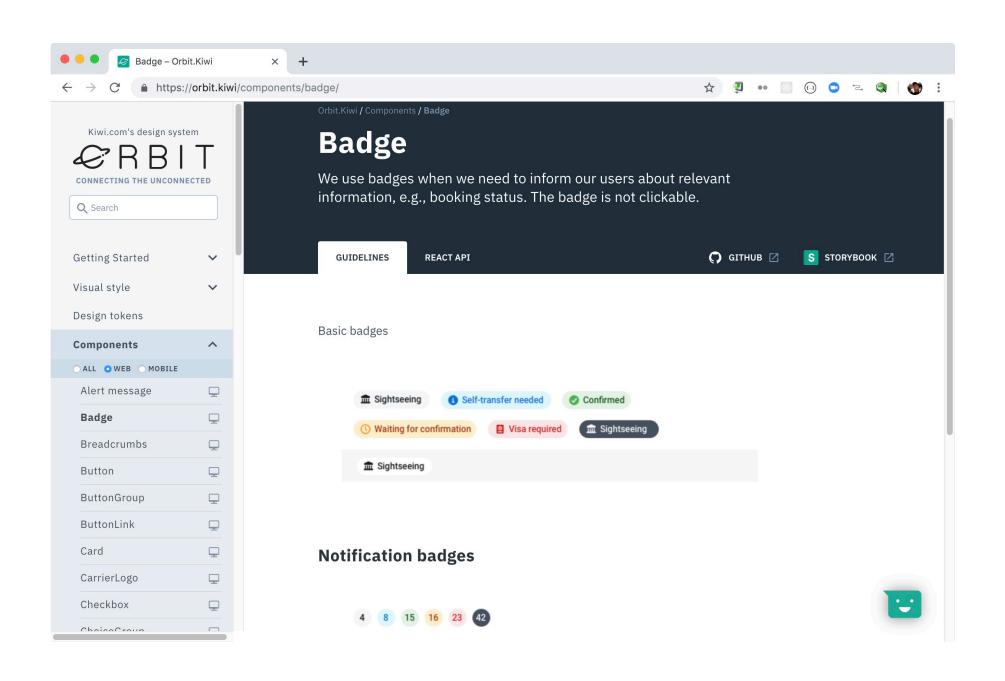
HOW TO MULTIPLATFORM UI

REACT NATIVE FIRST

REACT NATIVE WEB FOR BROWSER



REWORK HTTPS://ORBIT.KIWI



SHARED UI SHARED KNOW-HOW

MULTIPLATFORM ORBIT NPM PACKAGE SOON TO

MARGARITA.KIWI.COM

GITHUB.COM/KIWICOM/MARGARITA

LEARN RELAY

GITHUB.COM/KIWICOM/RELAY-EXAMPLE

LEARN RELAY

- > GRAPHQL FRAGMENTS
 - > SIMPLE FETCHING
- > ENDLESS PAGINATION
- > BI-DIRECTIONAL PAGINATION



Relay pagination showcase **Bi-directional pagination**

See: Refetch Container

- 1. Rome
- 2. Paris
- 3. Barcelona
- 4. San Francisco
- 5. Boston
- 6. Washington, D.C.
- 7. Denver
- 8. Las Vegas
- 9. Atlanta
- 10. Miami
- 11. Tampa
- 12. Orlando
- 13. Manila
- 14. New York
- 15. London
- 16. Los Angeles
- 17. Chicago
- 18. Athens International
- 19. Hartsfield-Jackson Atlanta International
- 20. Barcelona-El Prat

Incremental pagination 1

See: Refetch Container

- 1. Rome
- 2. Paris
- 3. Barcelona
- 4. San Francisco
- 5. Boston
- 6. Washington, D.C.
- 7. Denver
- 8. Las Vegas
- 9. Atlanta
- 10. Miami
- 11. Tampa
- 12. Orlando
- 13. Manila
- 14. New York
- 15. London
- 16. Los Angeles
- 17. Chicago
- 18. Athens International
- 19. Hartsfield-Jackson Atlanta International
- 20. Barcelona-El Prat

Load more!

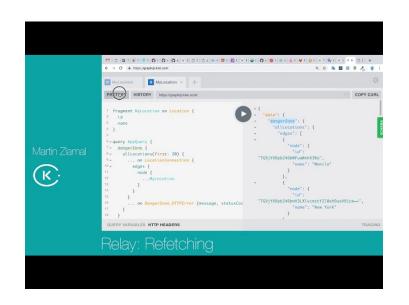
Incremental pagination 2

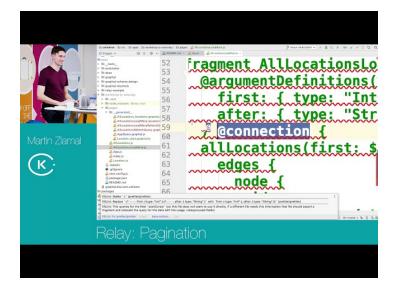
See: Pagination Container

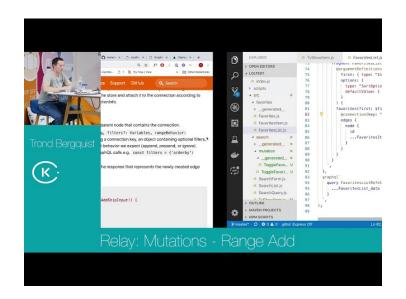
- 1. Rome
- 2. Paris
- 3. Barcelona
- 4. San Francisco
- 5. Boston
- 6. Washington, D.C.
- 7. Denver
- 8. Las Vegas
- 9. Atlanta
- 10. Miami
- 11. Tampa
- 12. Orlando
- 13. Manila
- 14. New York
- 15. London
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- 20. Barcelona-El Prat

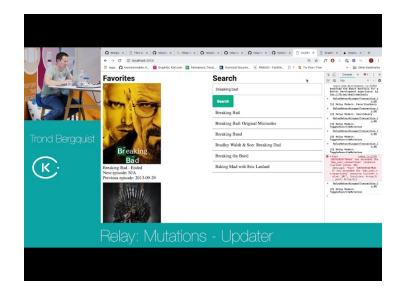
Load more!

RELAY TALKS









BETTER FETCH LIBRARY

KIWI FETCH

- > RETRIES
- > TIMEOUTS
- > ERROR HANDLING

FETCH - TIMEOUT. RETRIES

```
import fetchWithRetries from '@kiwicom/fetch';
fetchWithRetries(
  'https://example.api',
    fetchTimeout: 15000,
    retryDelays: [1000, 3000],
    // ... standard Fetch options
```

FETCH - ERROR HANDLING

```
import fetchWithRetries, { TimeoutError, ResponseError } from '@kiwicom/fetch';
try {
  const response = await fetchWithRetries('//localhost');
} catch (error) {
  if (error instanceof TimeoutError) {
    console.error('request timeouted');
  } else if (error instanceof ResponseError) {
    console.error('unsuccessful response', error.response);
  } else {
    console.error('unknown error');
```

OPINIONATED ESLINT RULES

@KIWICOM/ESLINT-CONFIG

KIWI ESLINT CONFIG

- > REACT, RN, HOOKS, RELAY
 - > PRETTIER, JEST
 - > FLOW, NODE
 - > EXTENDABLE

ESLINT - SETUP

```
//.eslintrc.js
module.exports = {
  root: true,
  extends: [
    '@kiwicom/eslint-config',
  ],
};
```

ESLINT RUNNER

- > PARALLEL EXECUTION
- > ONLY CHANGED FILES
 - > AUTO FIX

```
michal at Michals-MacBook-Pro-2 in ~/projects/kiwi/graphql on master
$ yarn lint
yarn run v1.15.2
No rules that are unnecessary or conflict with Prettier were found.
 /Users/michal/projects/kiwi/graphgl/node_modules/.bin/jest --config=.jest-eslint.config.js
        lint src/packages/monorepo-shipit/src/__tests__/requireAndValidateConfig.test.js
 PASS
 PASS
        lint src/packages/monorepo-shipit/src/iterateConfigs.js
 PASS
        lint src/packages/monorepo-shipit/bin/importit.js
 PASS
        lint src/packages/monorepo-shipit/config/__tests__/vault2env.test.js
 PASS
        lint src/packages/monorepo-shipit/bin/shipit.js
 PASS
        lint src/packages/monorepo-shipit/config/__tests__/graphql-resolve-wrapper.test.js
 PASS
        lint src/packages/monorepo-shipit/config/__tests__/example-relay.test.js
        lint src/packages/monorepo-shipit/config/__tests__/graphql-bc-checker.test.js
 PASS
 PASS
        lint src/packages/monorepo-shipit/config/_tests_/monorepo-shipit.test.js
 PASS
        lint src/packages/monorepo-shipit/config/_tests_/graphql-global-id.test.js
 PASS
        lint src/packages/monorepo-shipit/config/__tests__/testExportedPaths.js
       lint src/packages/monorepo-shipit/config/__tests__/babel-preset-kiwicom.test.js
 PASS
 RUNS
        lint src/packages/monorepo-shipit/config/__tests__/monorepo-npm-publisher.test.js
 RUNS
        lint src/packages/monorepo-shipit/config/__tests__/relay.test.js
        lint src/packages/monorepo-shipit/config/__tests__/babel-preset-kiwicom.test.js
 RUNS
Test Suites: 53 skipped, 11 passed, 11 of 890 total
             53 skipped, 11 passed, 64 total
Tests:
            0 total
Snapshots:
Time:
             5s
```

BABEL PRESET

@KIWICOM/BABEL-PRESET-KIWICOM

BABEL PRESET

- > FLOW, JSX
- > CLASS PROPERTIES
- > RELAY FRAGMENTS
- > SYNTACTIC SUGAR

GITHUB.COM/KIWICOM/