

Testen in een monorepo tegen Vercel preview omgevingen



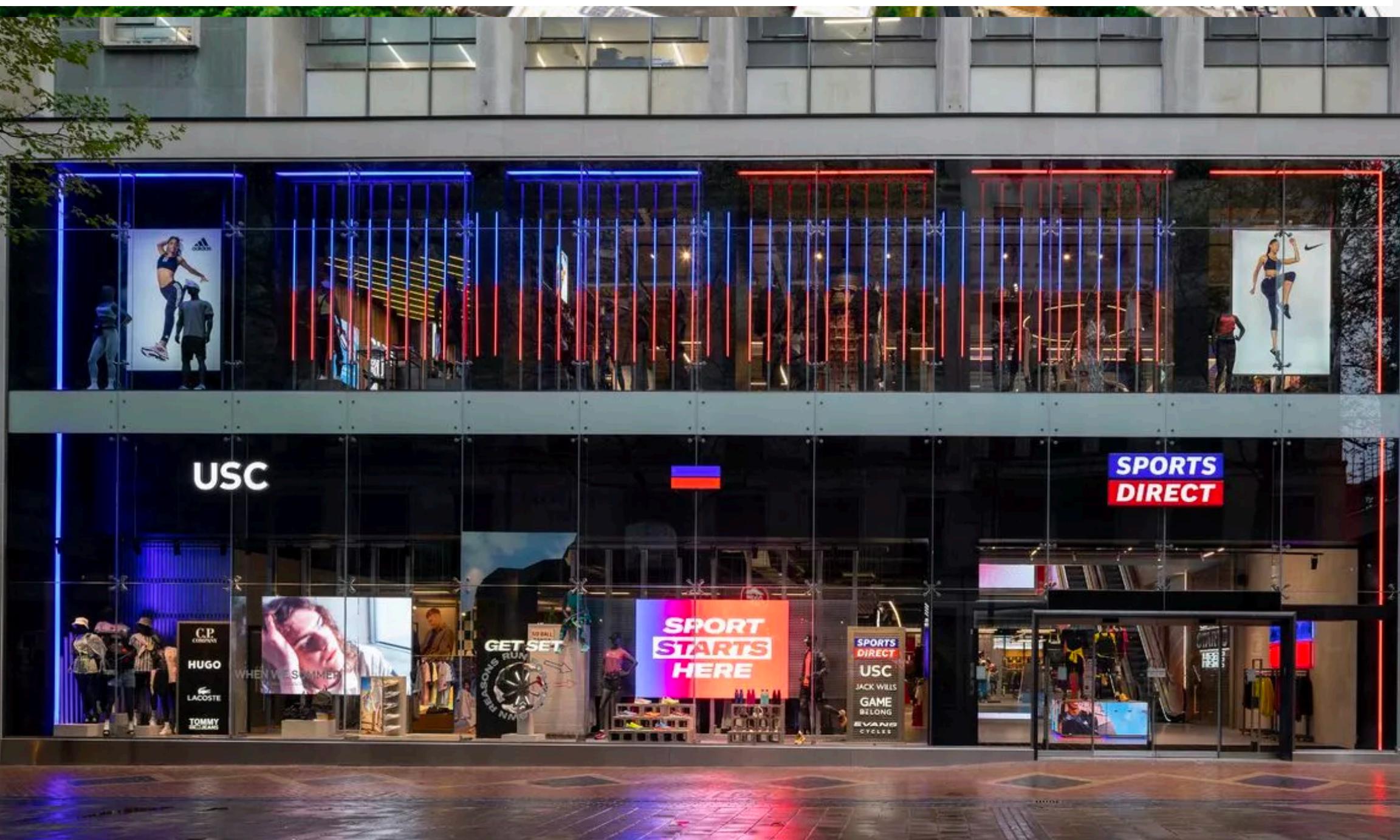
Tim Lolkema - 2023

Agenda

- 18:30 - Workshop deel 1 (monorepo)
- 19:45 - Pauze
- 20:00 - Workshop deel 2 (vercel)
- 21:30 - Borrel

Frasers

- Via DeTesters / Lab Digital
- Sports Direct
- 4 Development teams
(NL, UK, MY)
- Maleisië live, nu Frankrijk
- Versimpelde setup



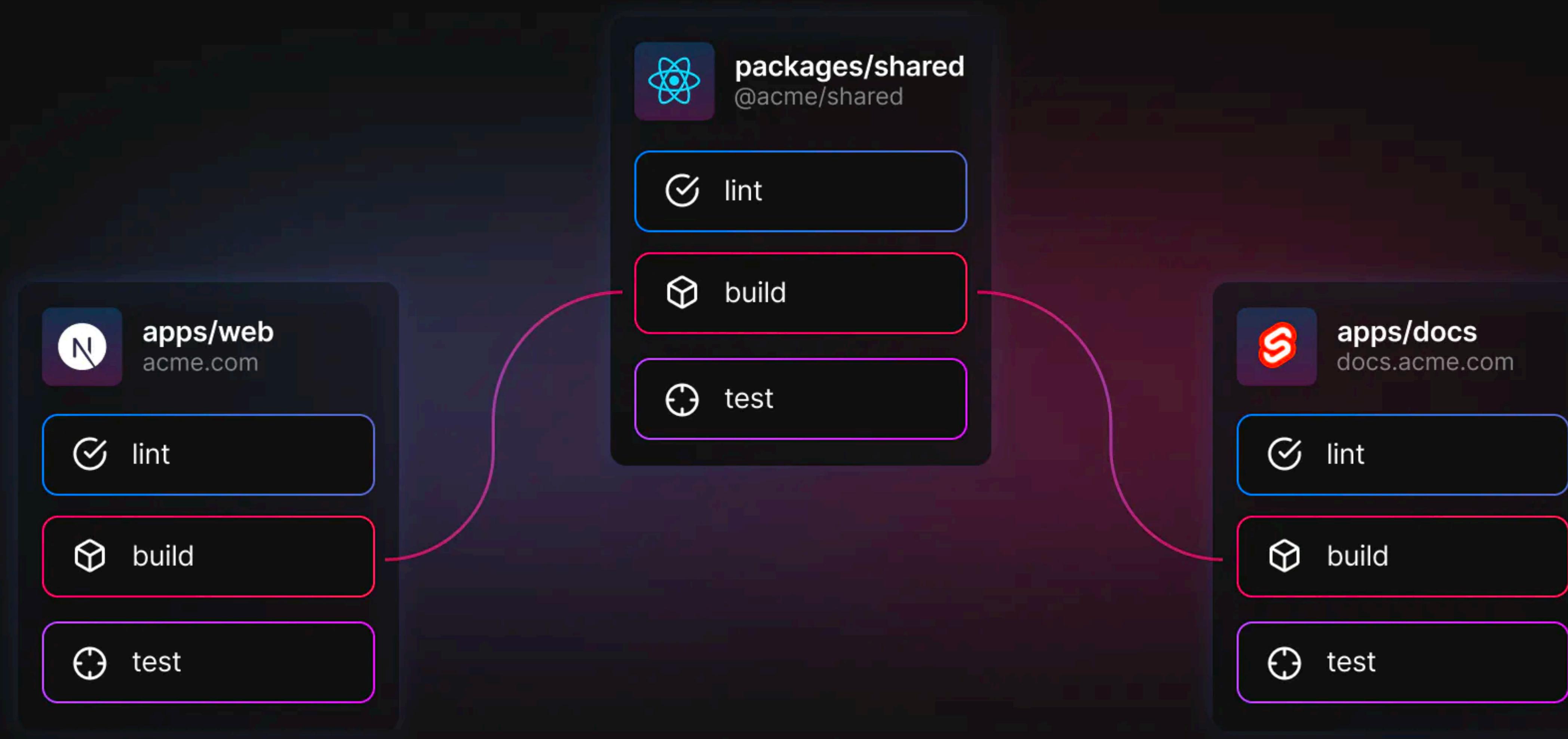
Monorepo? Vercel?

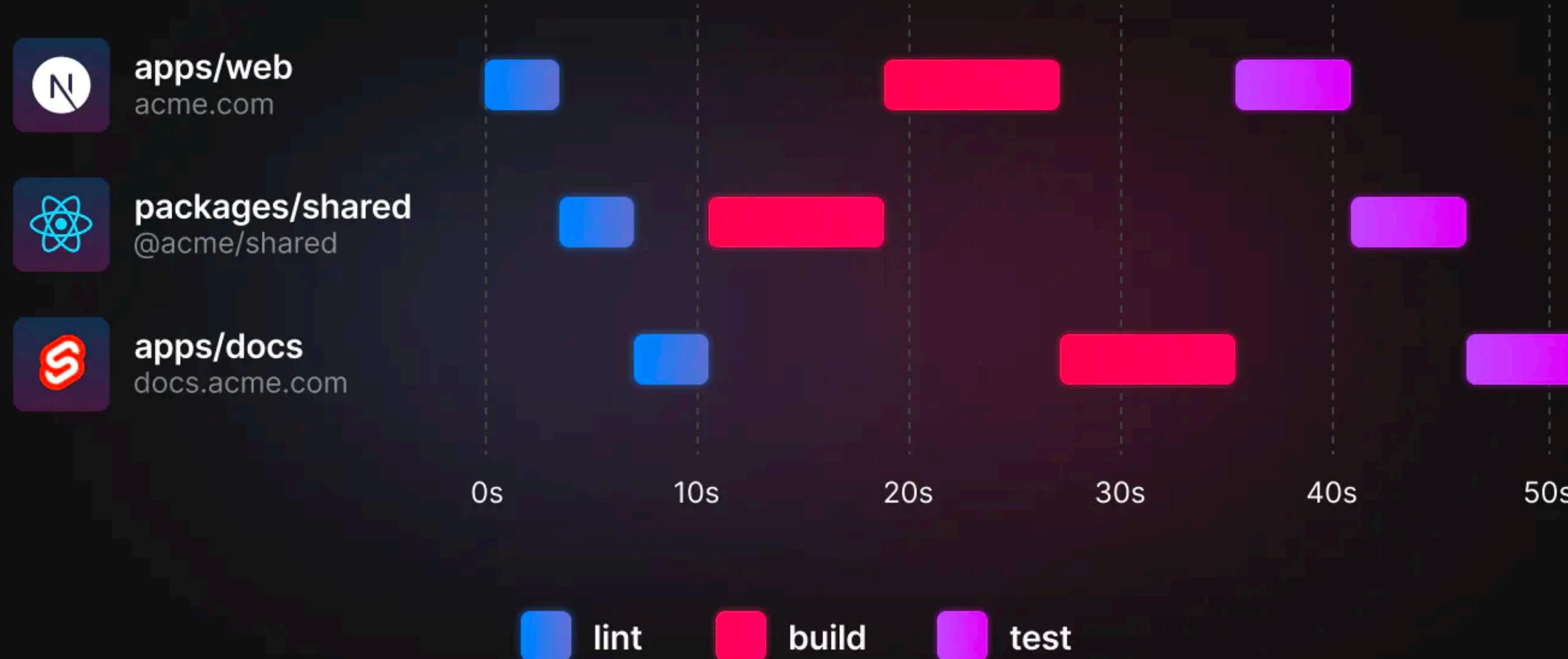
Monorepo

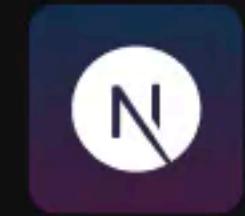
A monorepo is a collection of many different apps and packages in a single codebase.

Monorepo

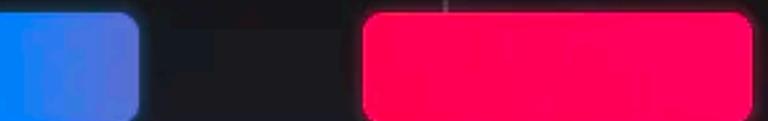
- The **apps** folder should contain workspaces for launchable apps, such as a Next.js
- The **packages** folder should contain workspaces for packages used by either an app or another package
- Each application and package you build will be in its own workspace, with its own **package.json**



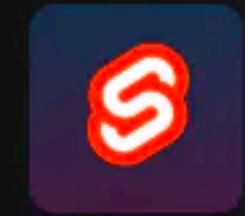
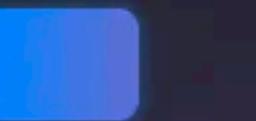




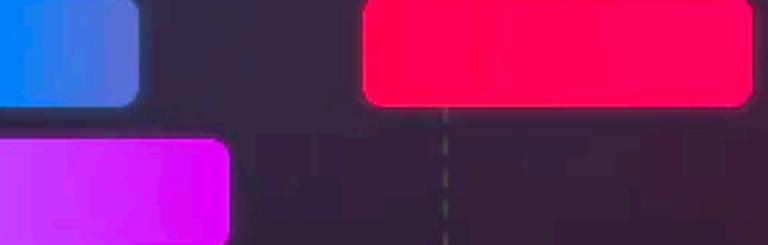
apps/web
acme.com



packages/shared
@acme/shared



apps/docs
docs.acme.com



0s

10s

20s

30s

40s

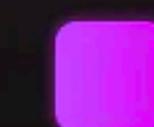
50s



lint



build



test

turbo.json

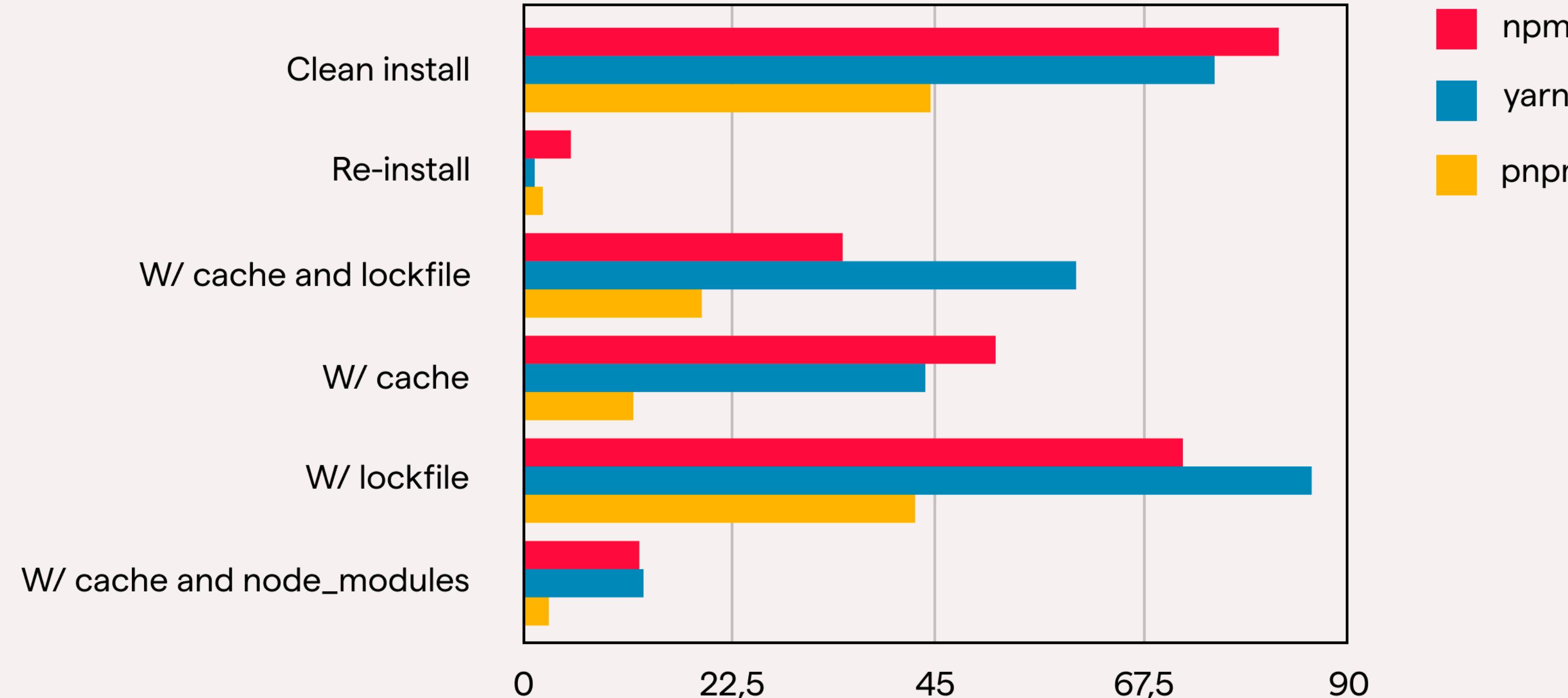
```
{  
  "$schema": "https://turbo.build/schema.json",  
  "pipeline": {  
    "build": {  
      // A workspace's `build` task depends on that workspace's  
      // topological dependencies' and devDependencies'  
      // `build` tasks being completed first. The `^` symbol  
      // indicates an upstream dependency.  
      "dependsOn": ["^build"],  
      "outputs": [".next/**", "!.next/cache/**", ".svelte-kit/**"]  
    },  
    "deploy": {  
      // A workspace's `deploy` task depends on the `build`,  
      // `test`, and `lint` tasks of the same workspace  
      // being completed.  
      "dependsOn": ["build", "test", "lint"]  
    },  
    "test": {  
      // A workspace's `test` task depends on that workspace's  
      // own `build` task being completed first.  
      "dependsOn": ["build"],  
      // A workspace's `test` task should only be rerun when  
      // either a `.tsx` or `ts` file has changed.  
      "inputs": ["src/**/*.tsx", "src/**/*.ts", "test/**/*.ts",  
      "test/**/*.tsx"]  
      // A workspace's `lint` task has no dependencies and  
      // can be run whenever.  
      "lint": {},  
      "dev": {  
        "cache": false,  
        "persistent": true  
      }  
    }  
  }  
}
```

pnpm

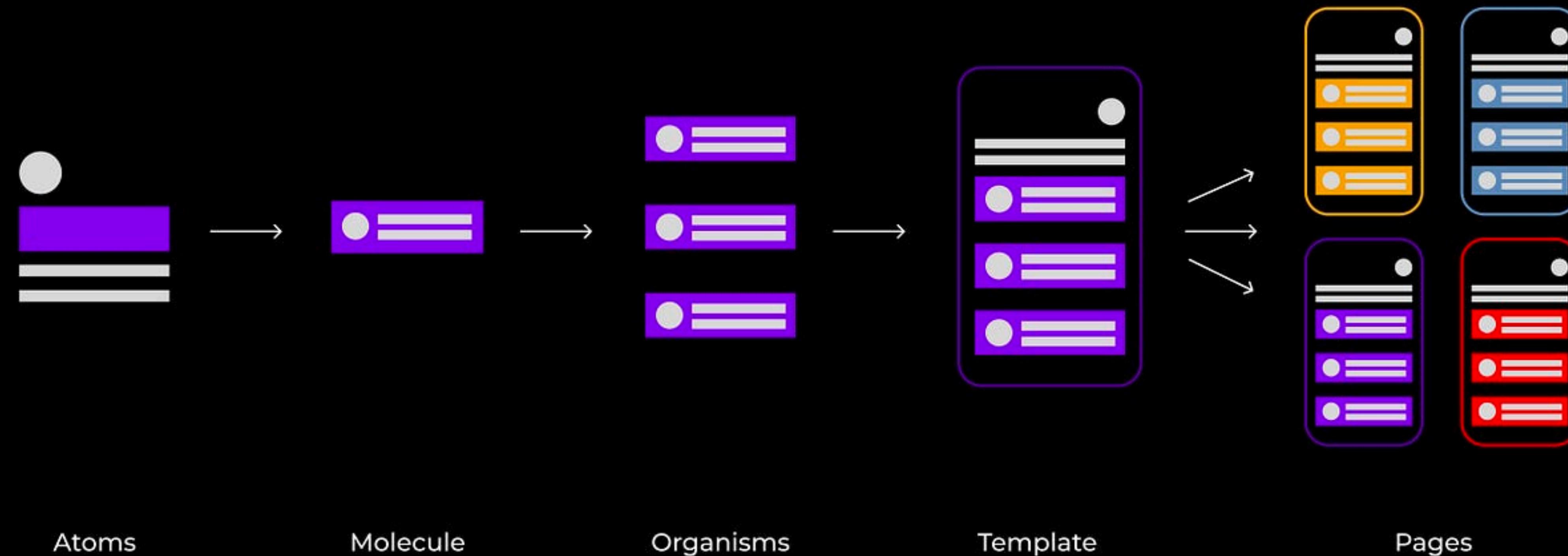
- pnpm uses a content-addressable file system to store the packages and dependencies on the disk.

That means the same package will not be duplicated.
Even with different versions of the same package, pnpm is intelligent enough to reuse the maximum code.

pnpm



Atomic design



Monorepo

- The **ui package** contains all shared UI elements.
 - atoms
 - molecules
 - organisms
 - templates

Monorepo Test

PACKAGES

- **package/e2e-tests**
 **Playwright** (test collection)

- **package/ui**
 **Vitest**

apps/test-automation



Playwright

(app config / imports)

apps/pizza-shop



Playwright

(app config / imports)

APPS

Workshop deel 1

github.com/tolkema/monorepo-testing-workshop

Pauze!



 Vercel + TURBOREPO

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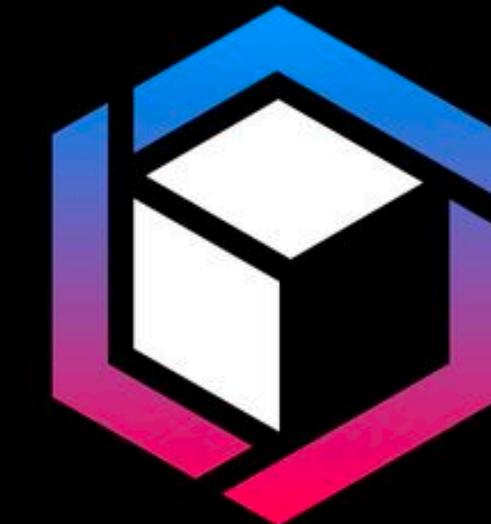
Recap Workshop deel 1



Develop. Preview. Ship.



By Vercel



TURBOPACK

NEXT.JS

Vercel demo

Workshop deel 2