

Bundler



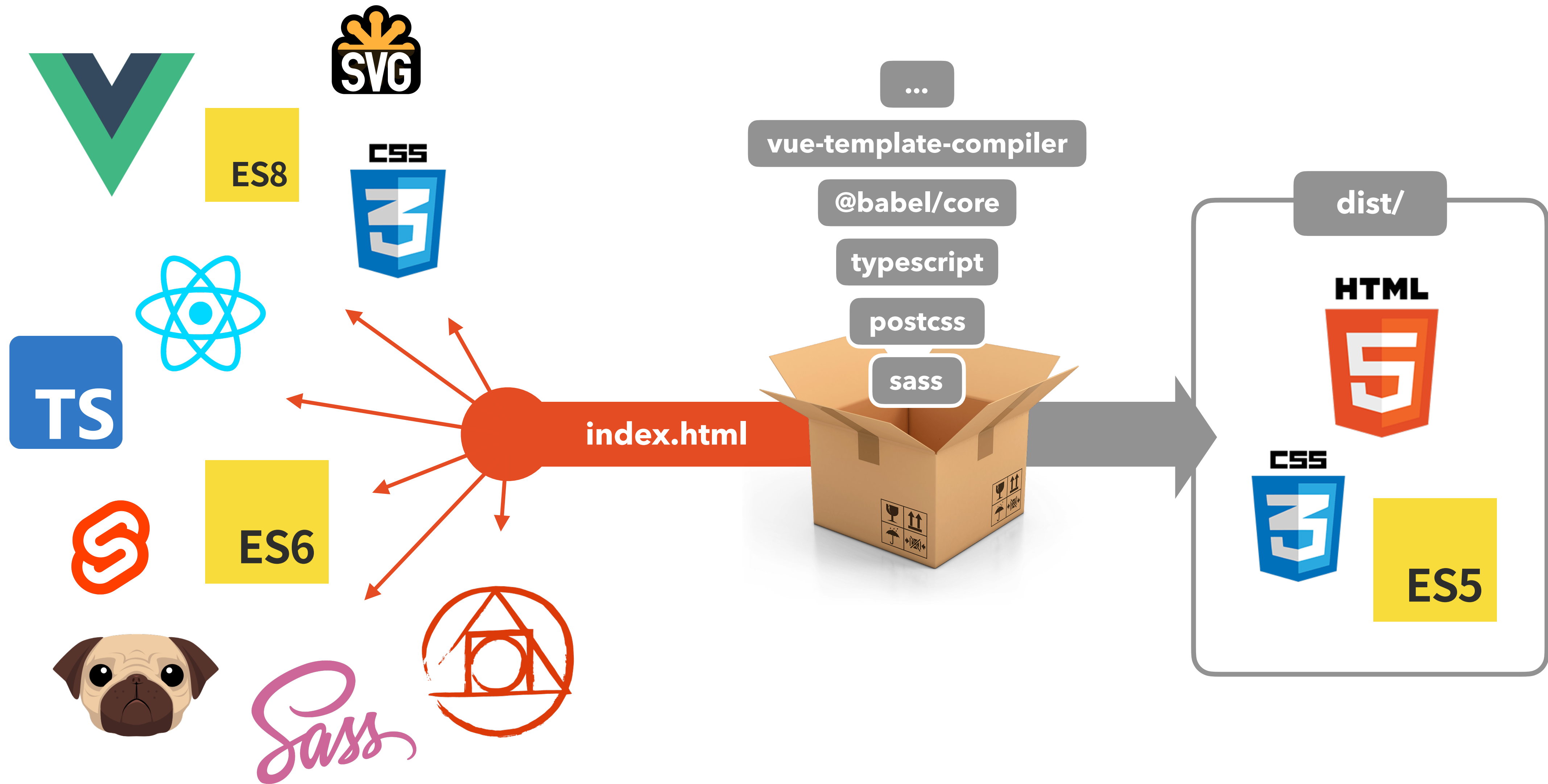
Parcel



Webpack



Rollup





VS



구성 없는 단순한 자동 번들링
소/중형 프로젝트에 적합

매우 꼼꼼한 구성
중/대형 프로젝트에 적합

Babel

ES6

ES7

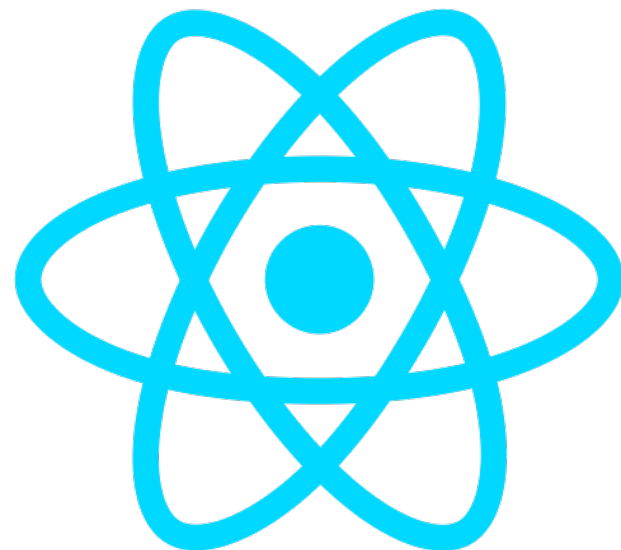
ES8



ES5



Vue



React

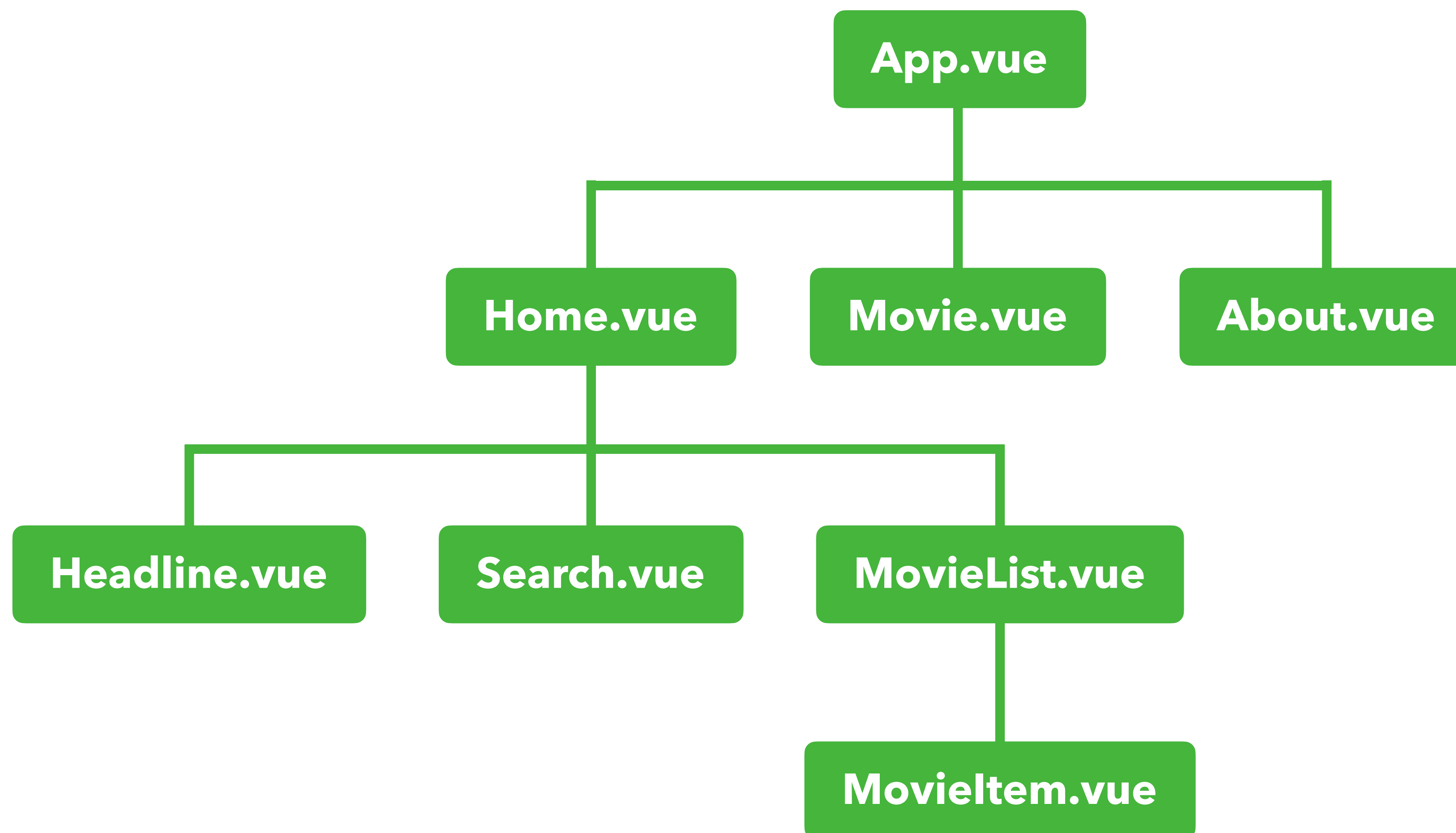


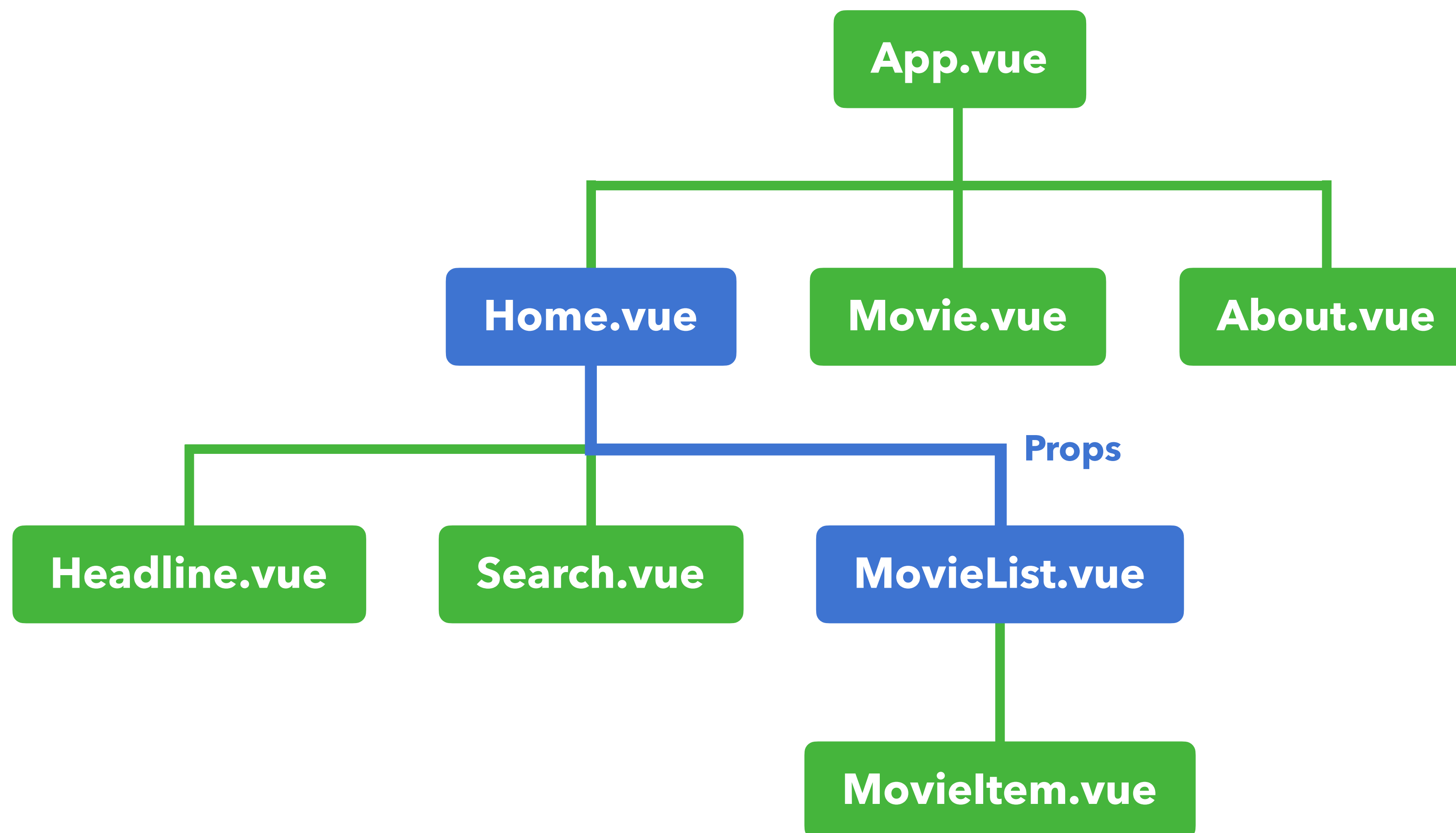
Svelte

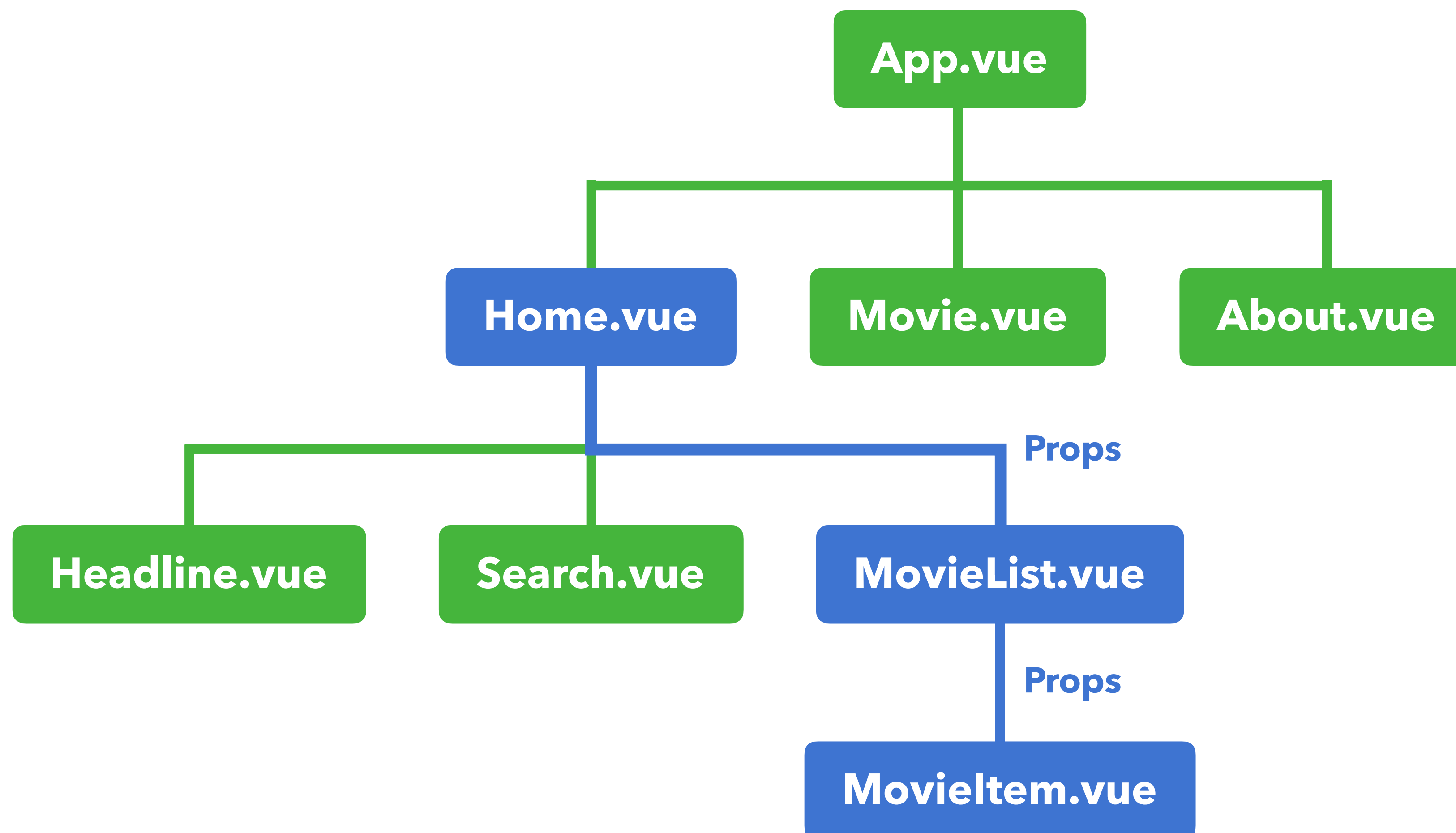


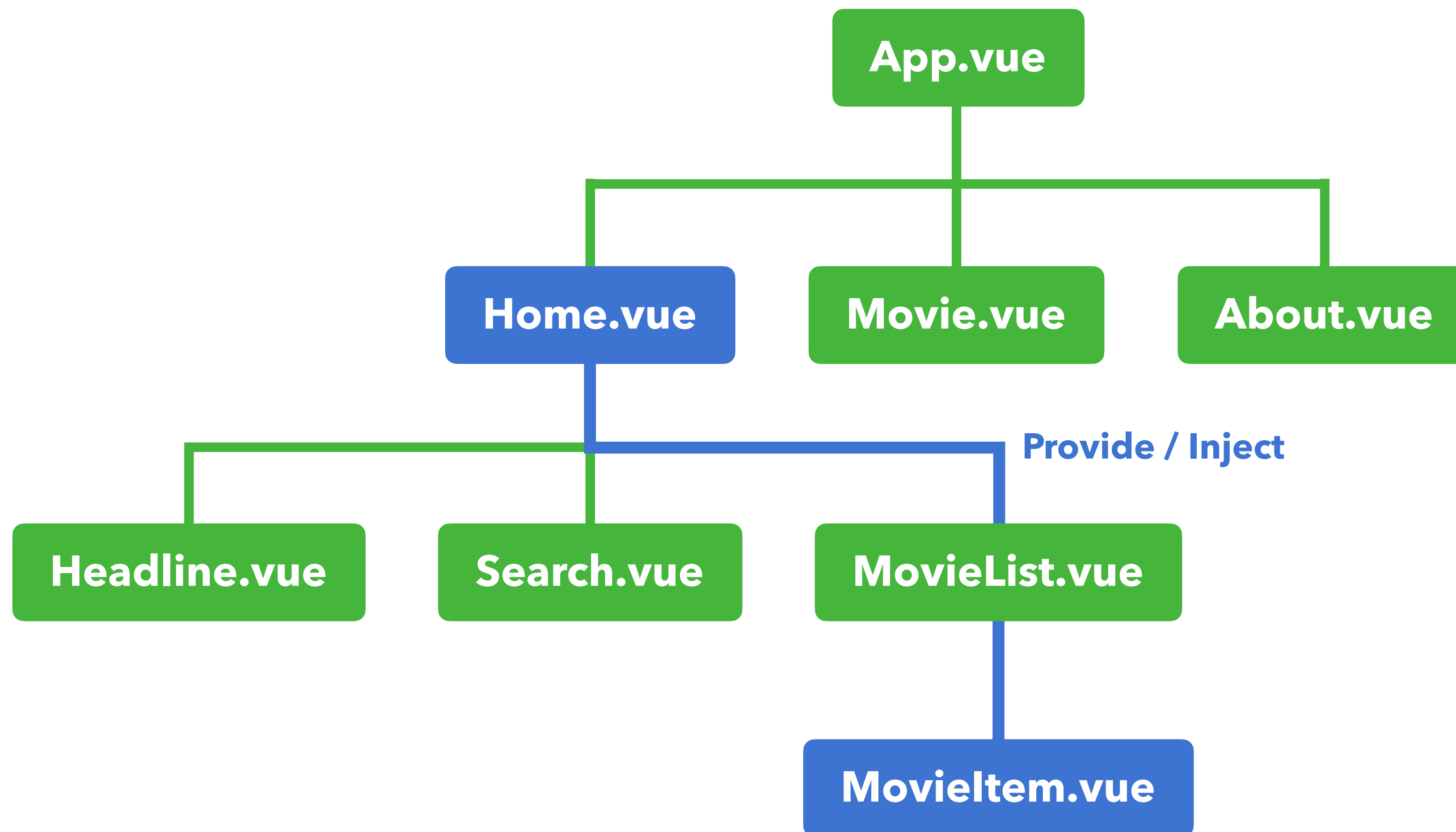
Angular

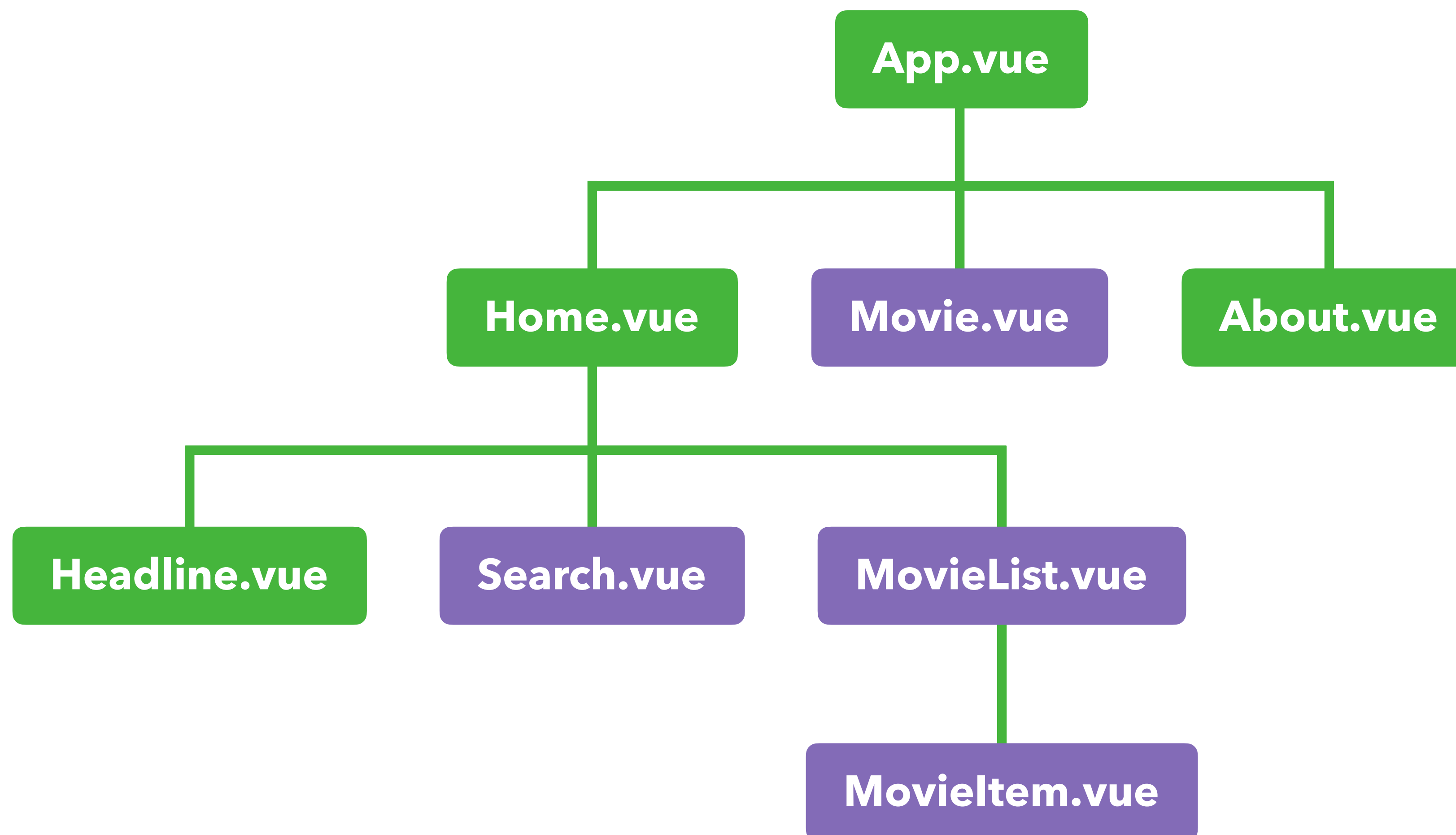
Vuex

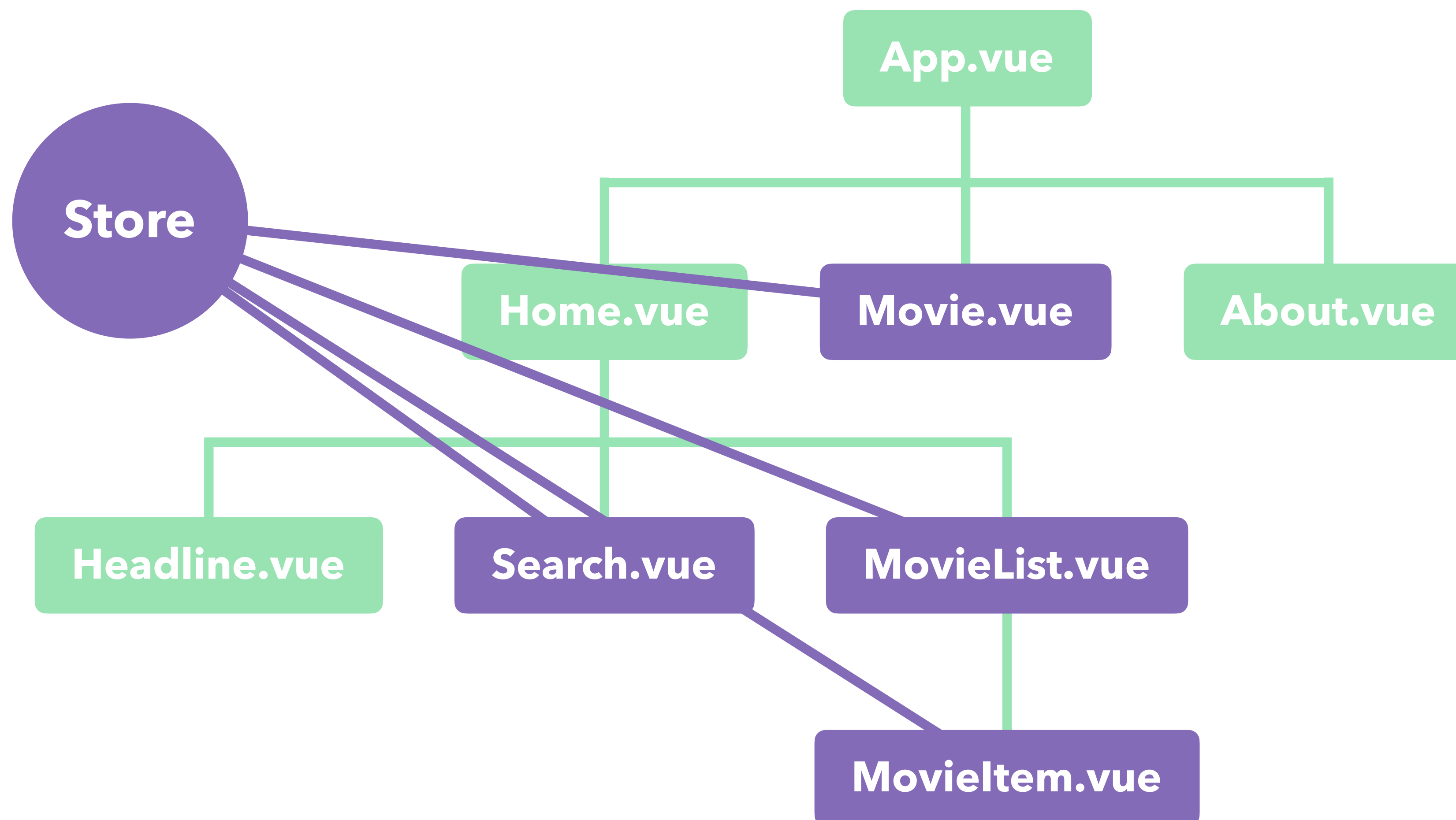


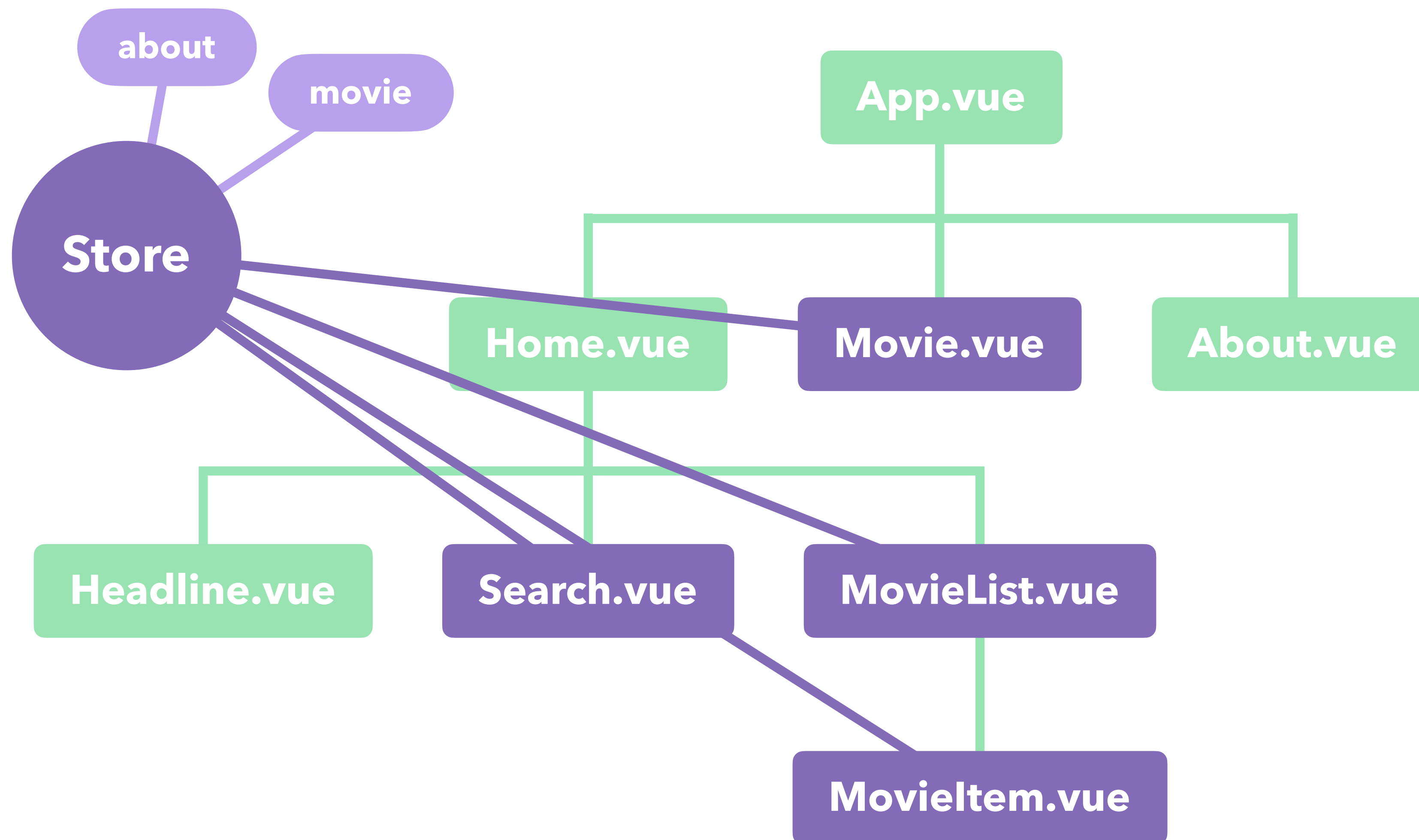


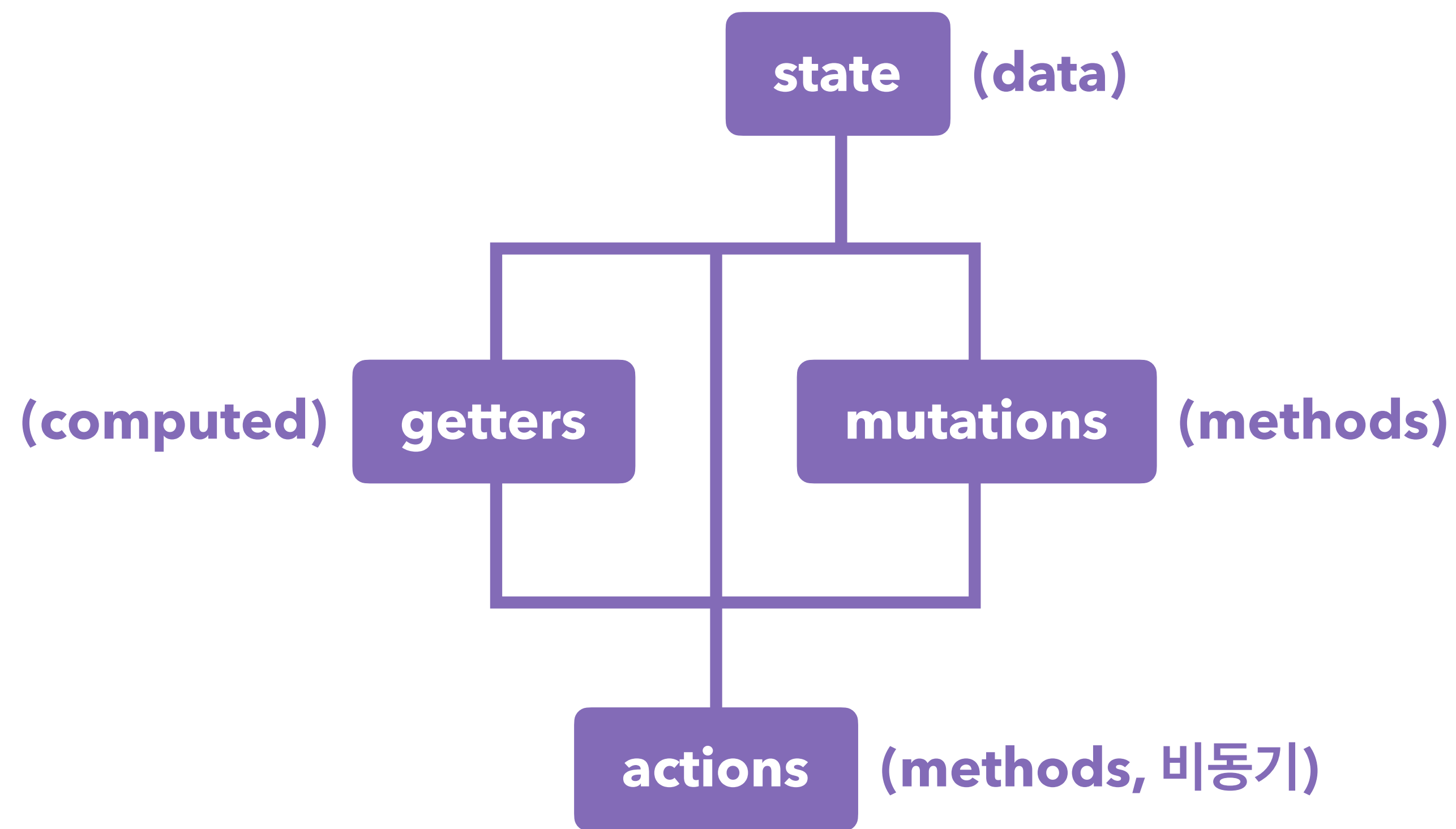


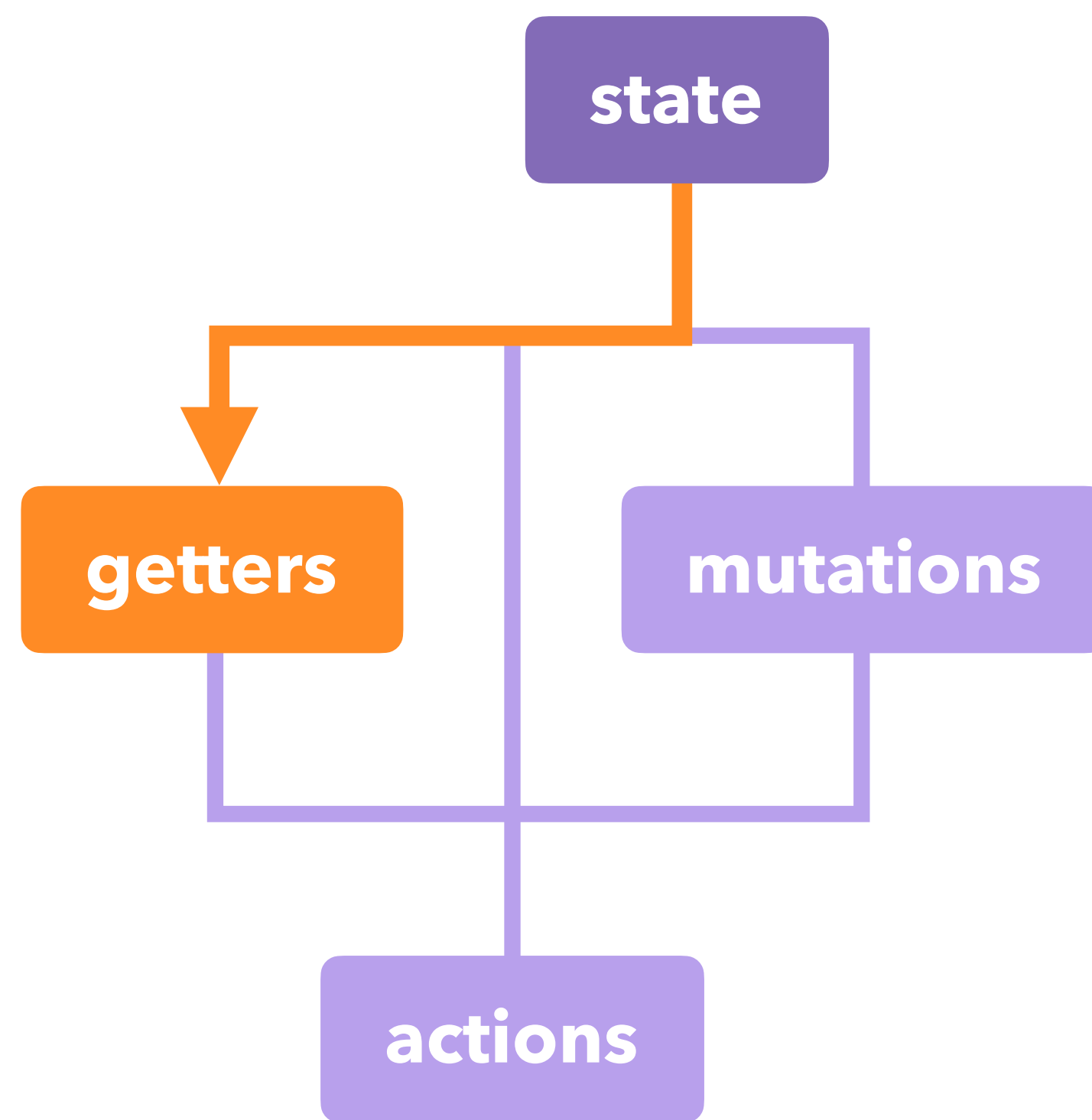


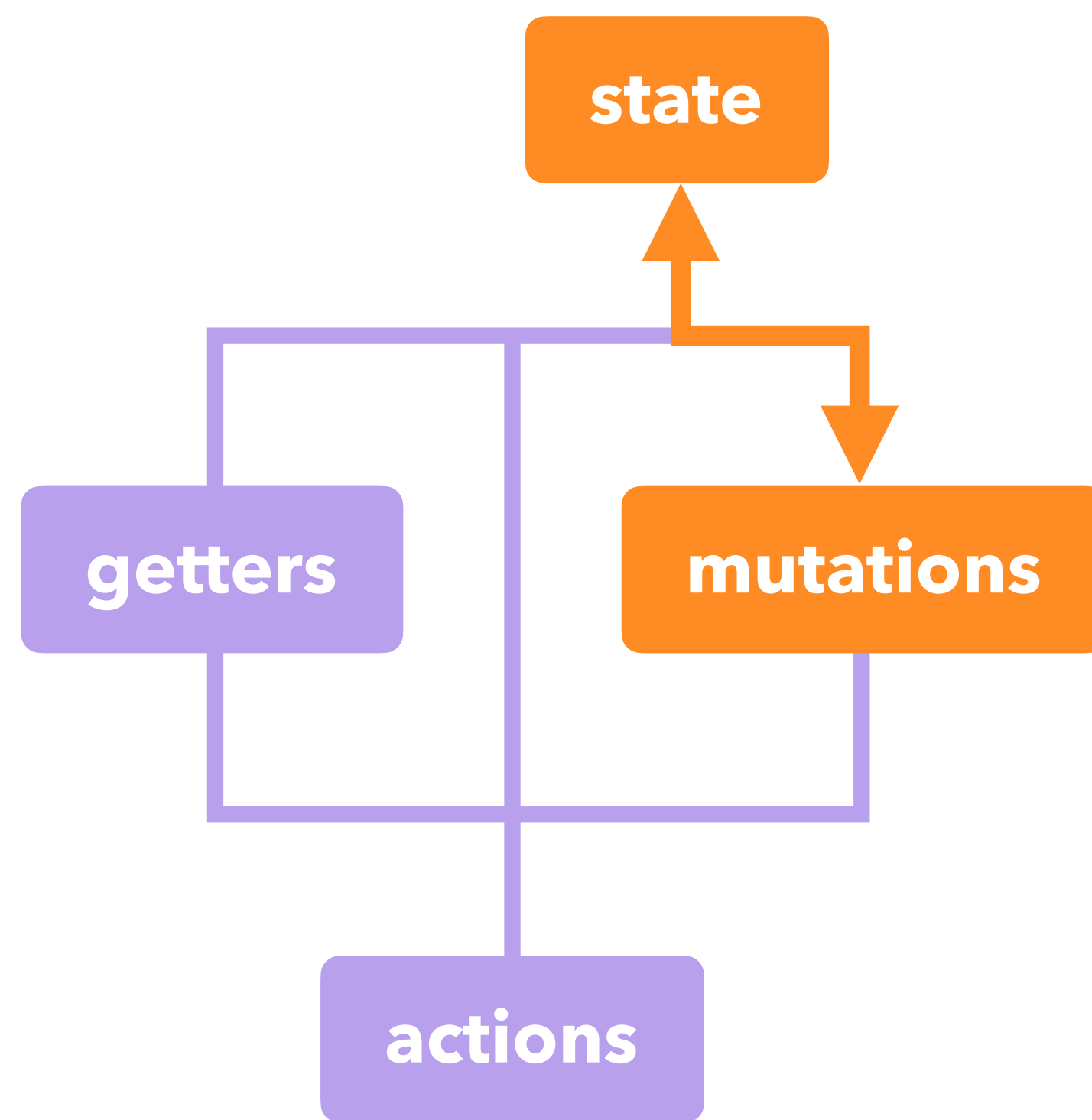


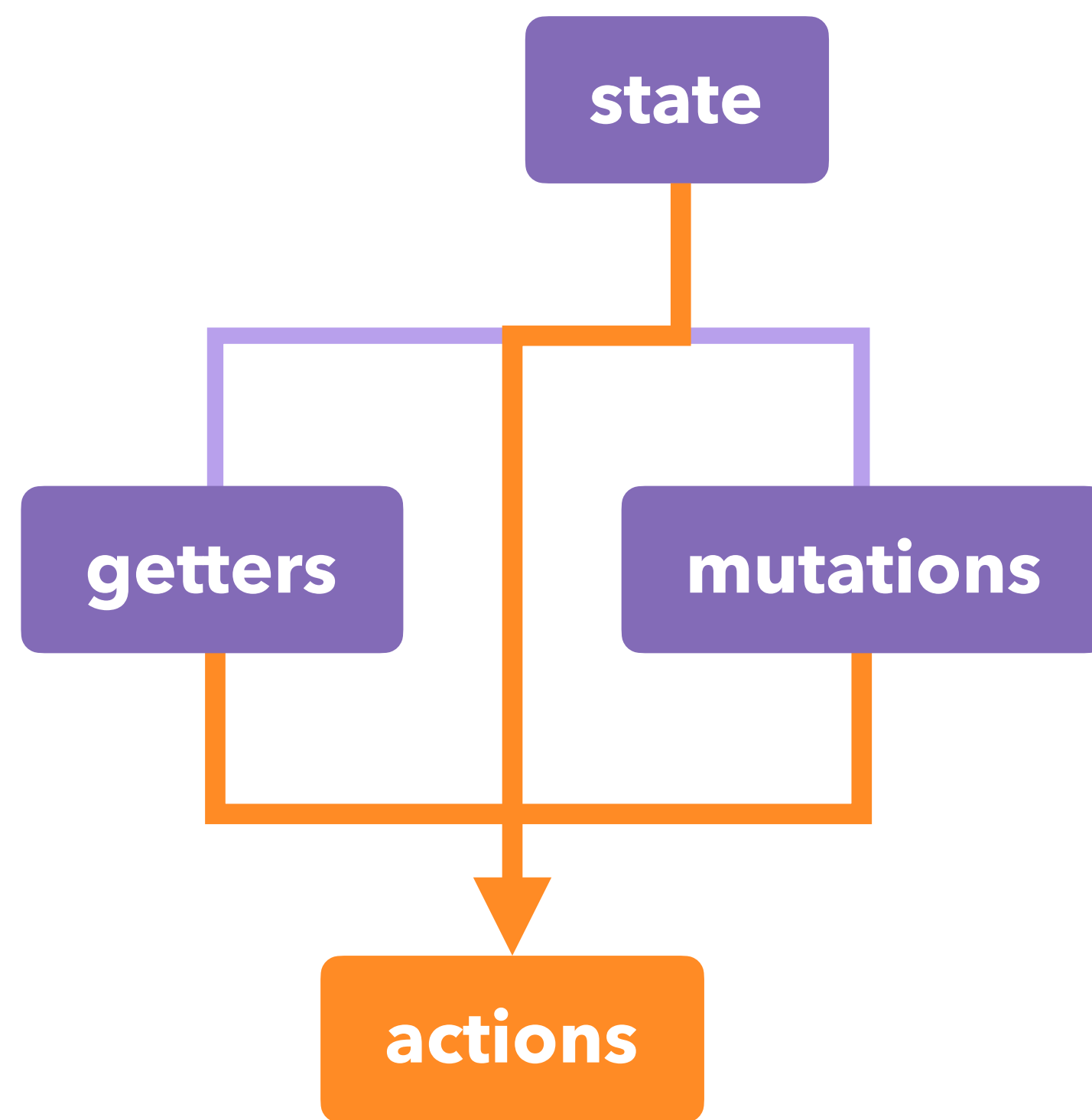


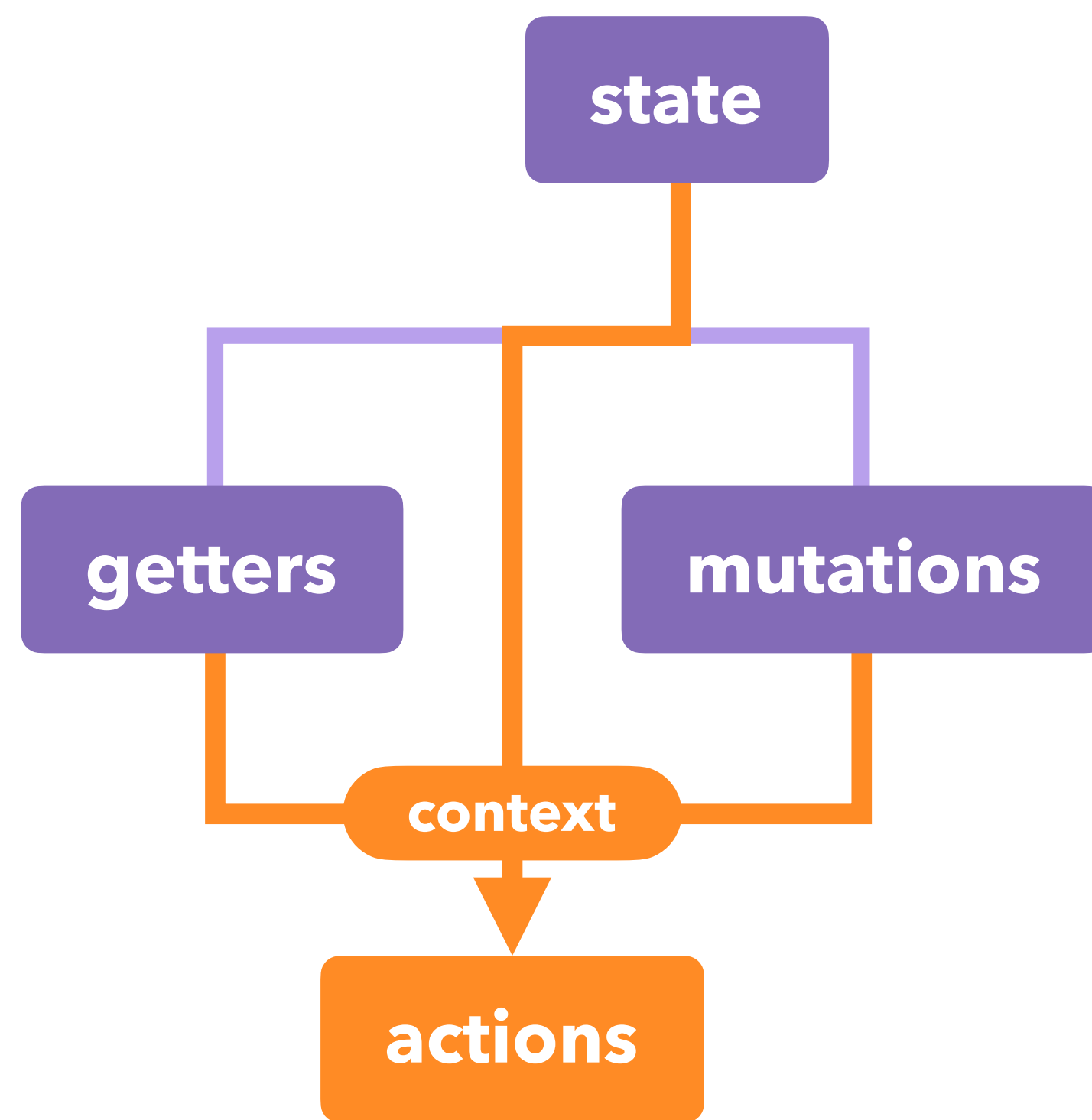


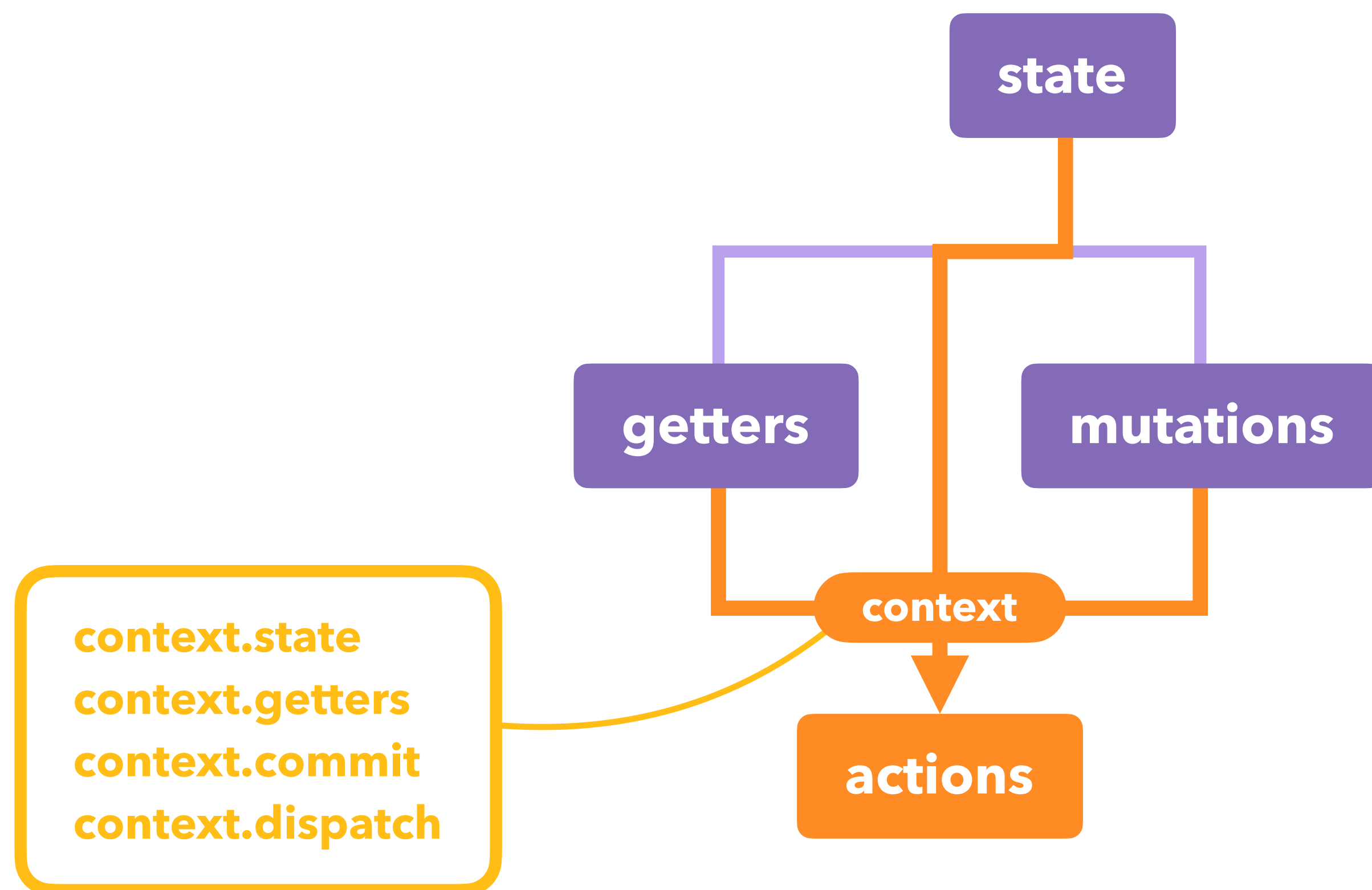


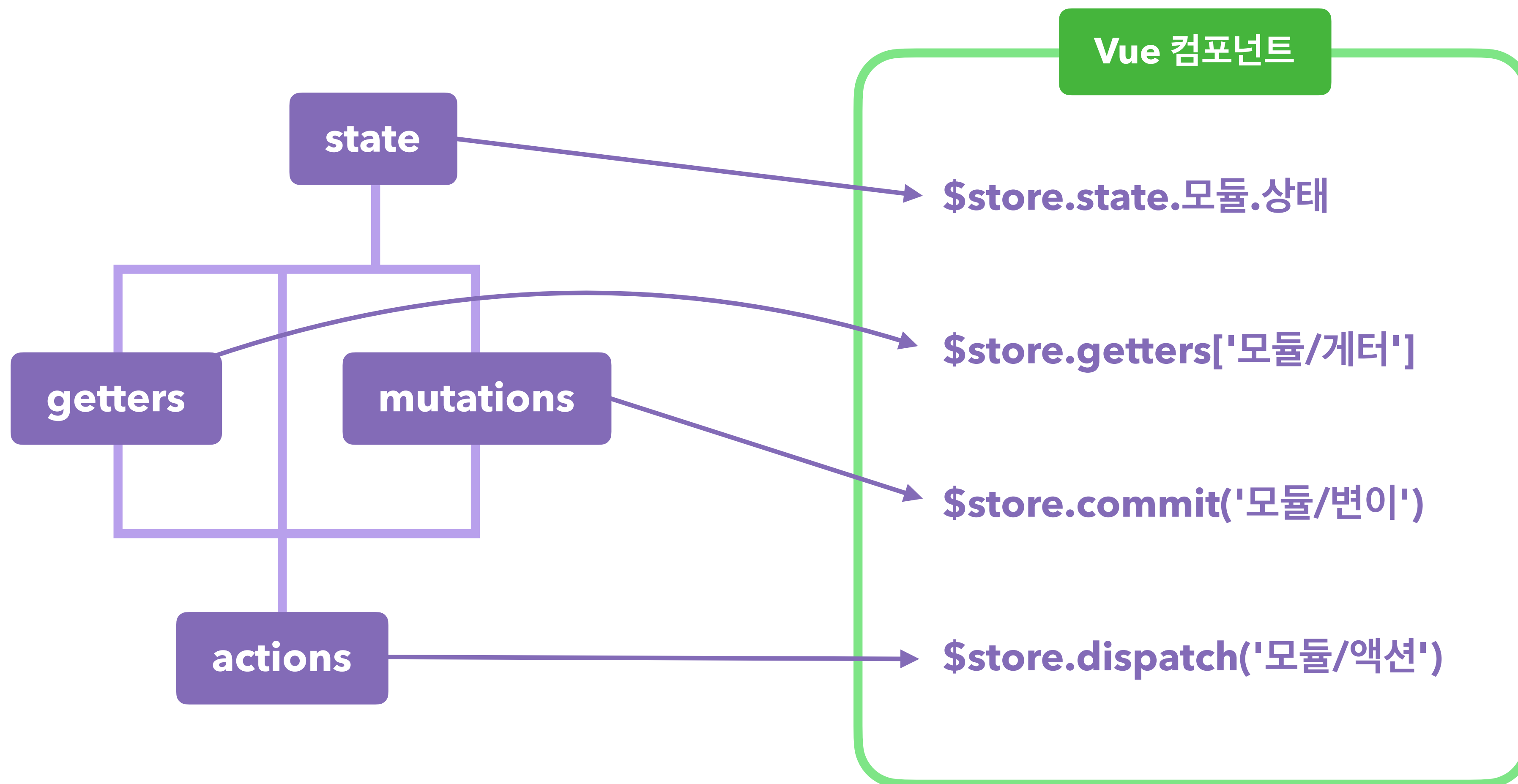


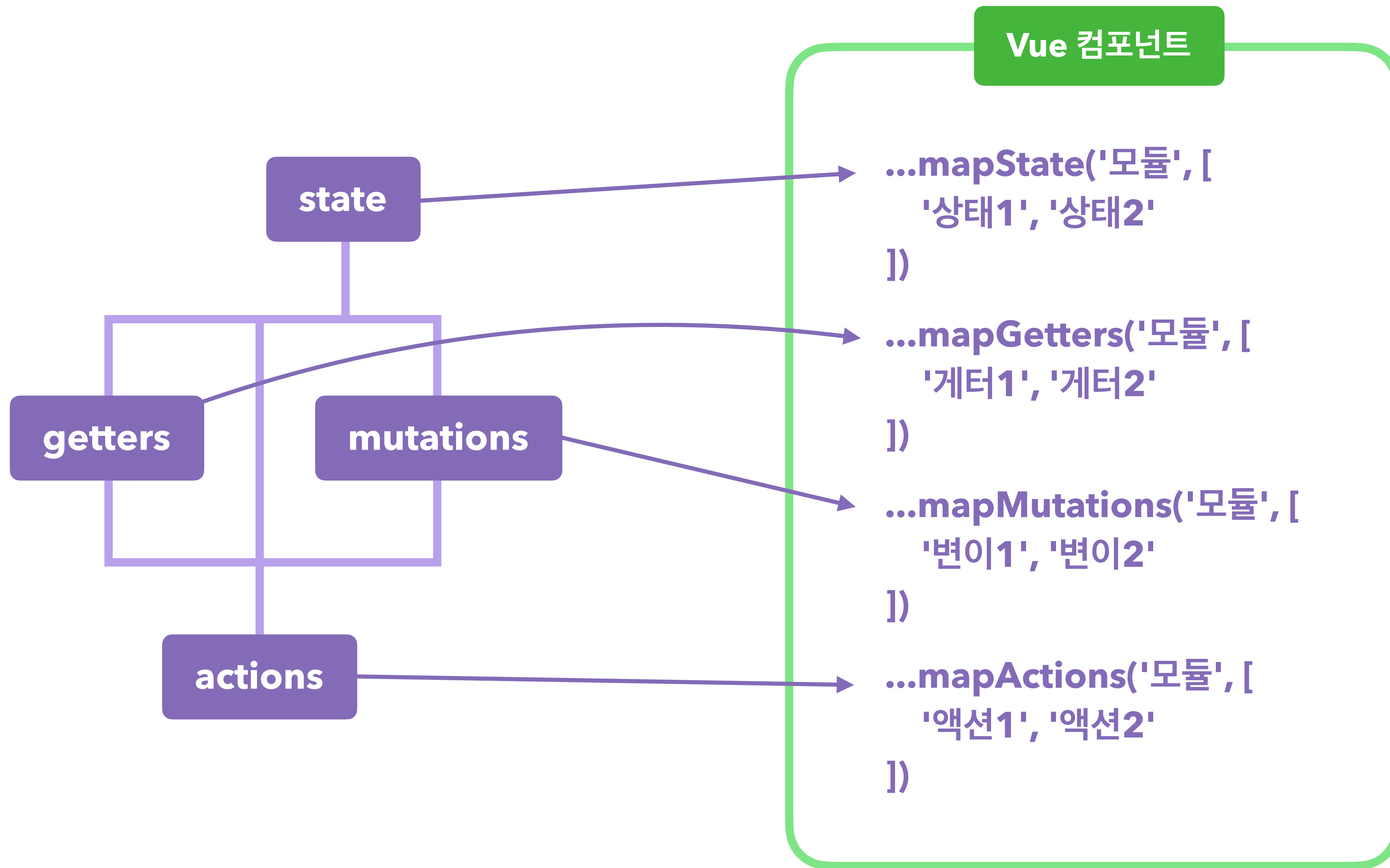












Vue Router

<RouterView>

<RouterLink>

페이지가 출력(렌더링)되는 영역 컴포넌트

<RouterView>

<RouterLink>

<RouterView>

<RouterLink>

페이지 이동을 위한 링크 컴포넌트

\$route

\$router

Route(페이지) 정보를 가지는 객체

\$route

\$router

\$route

\$router

Route(페이지) 조작을 위한 객체

`https://google.com/blog/123?apikey=abcd0987&name=HEROPY`

fullPath

https://google.com/blog/123?apikey=abcd0987&name=HEROPY

params



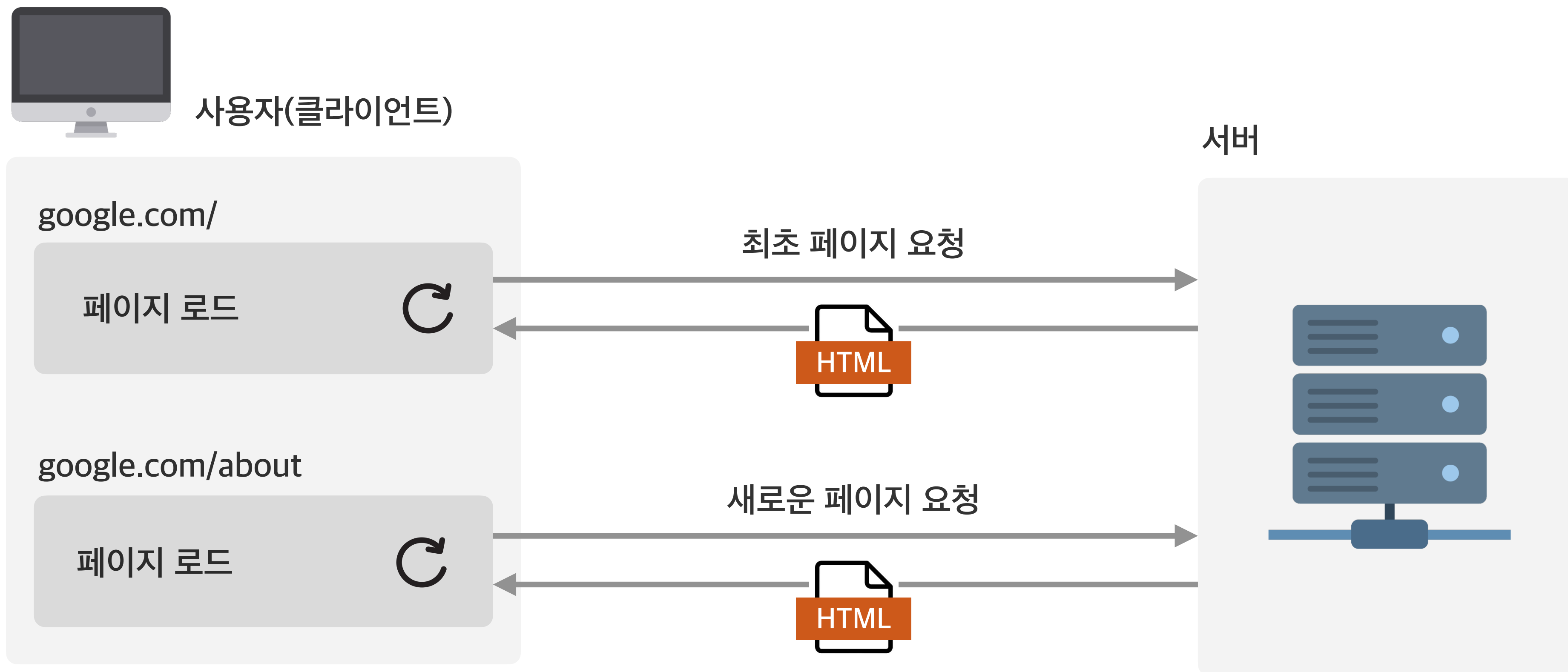
https://google.com/blog/123?apikey=abcd0987&name=HEROPY

query

<https://google.com/blog/123?apikey=abcd0987&name=HEROPY>

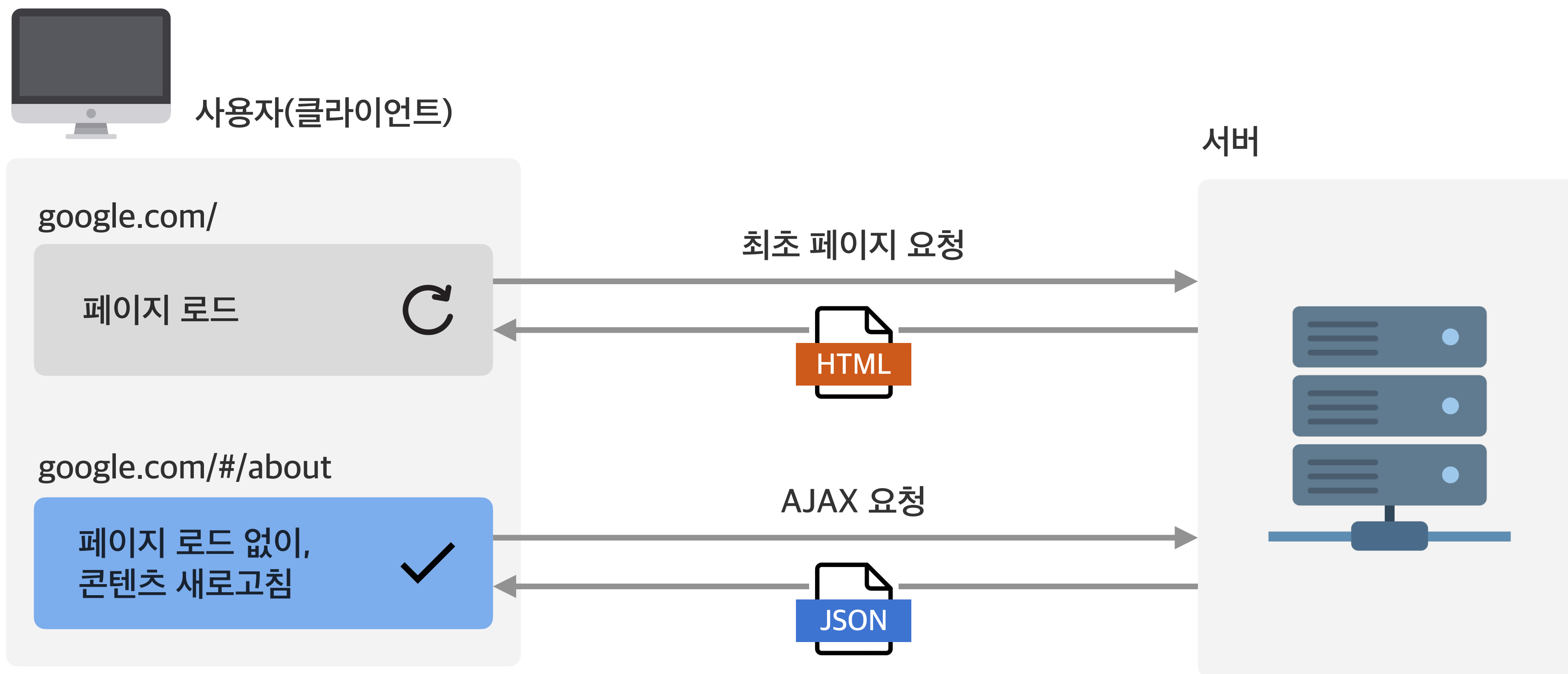
Traditional Web Application

데이터를 요청할 때마다 페이지 로드!



SPA(Single Page Application)

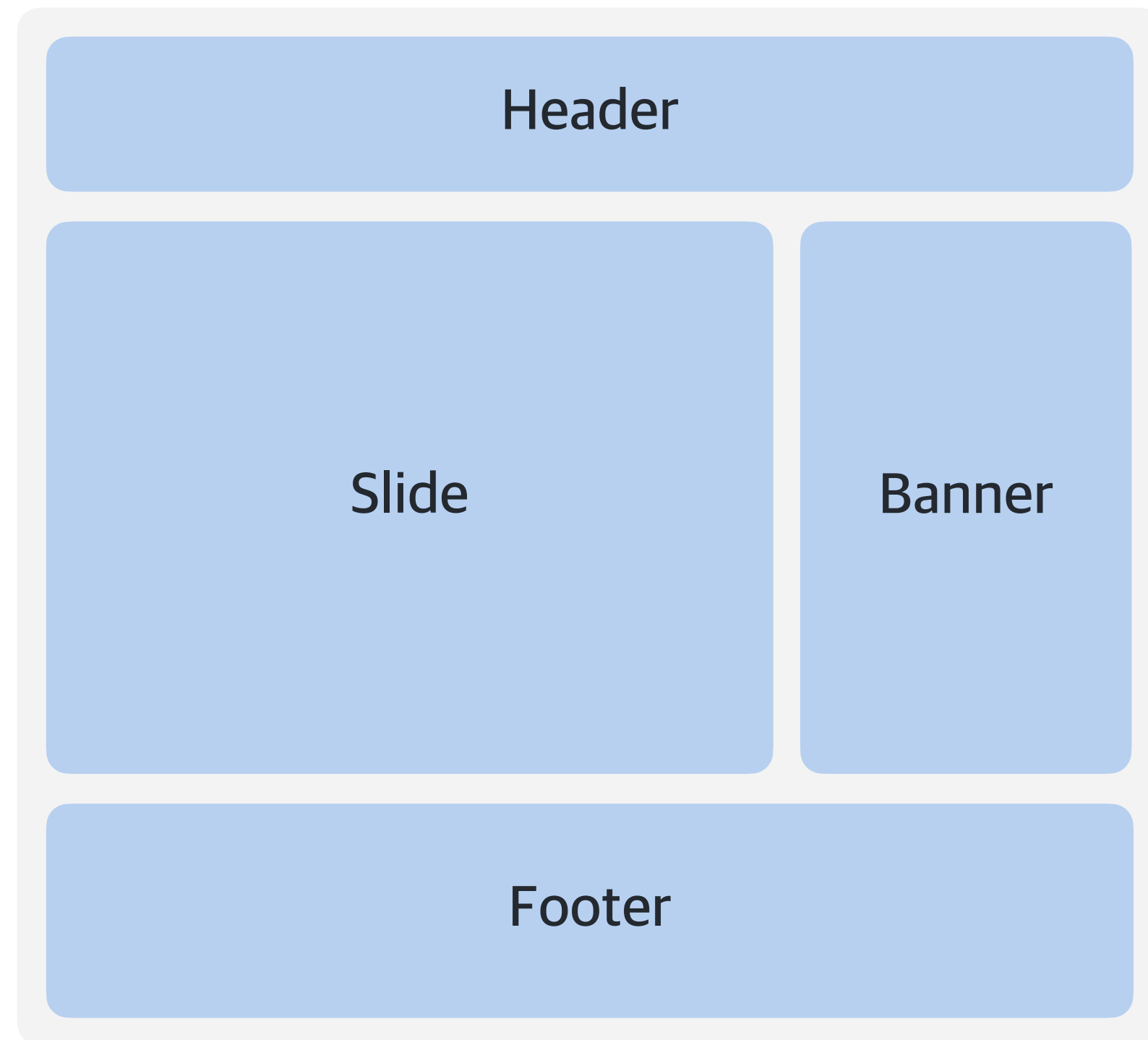
페이지 로드 없이 데이터 요청!



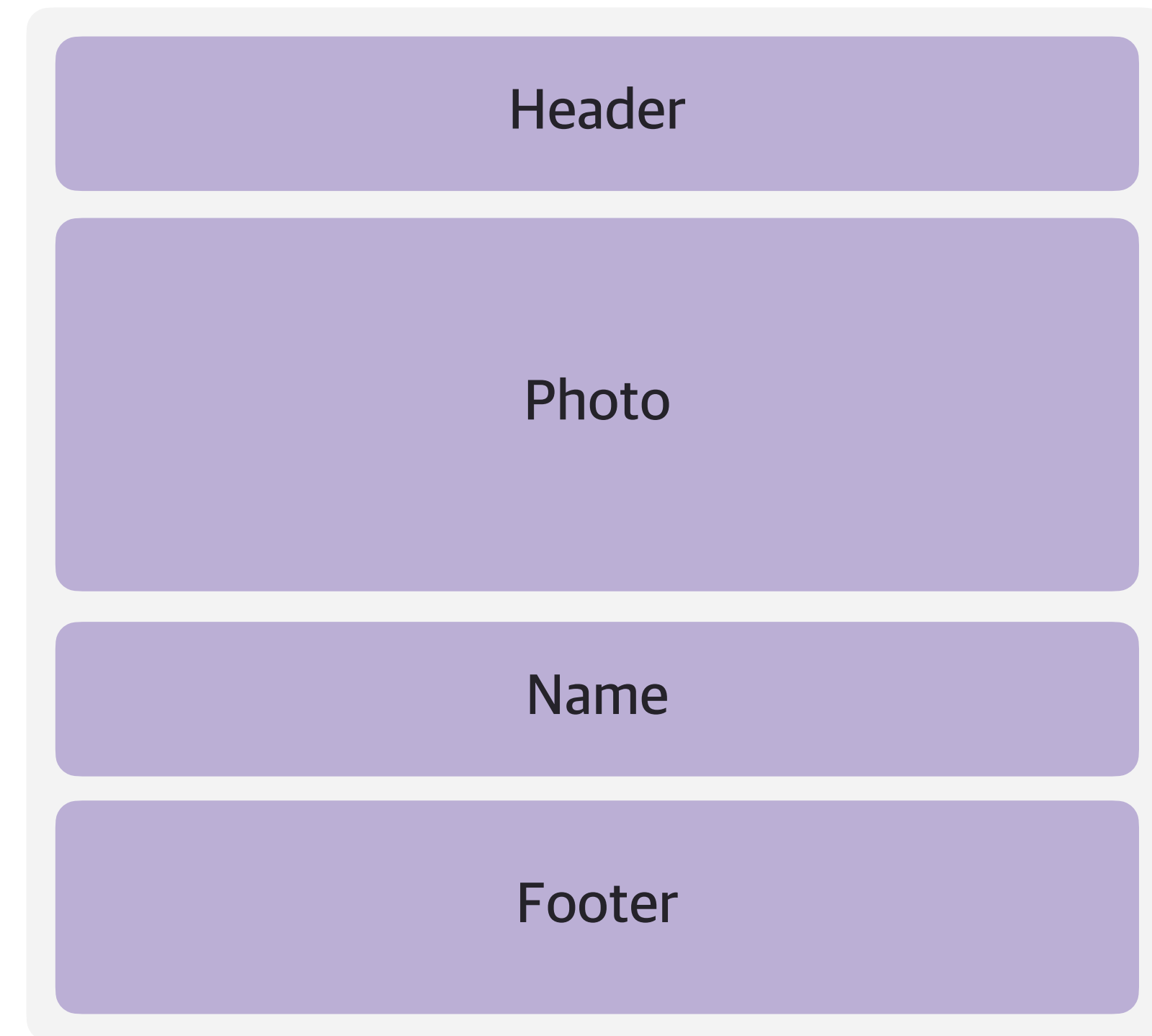
Traditional Web Application

데이터를 요청할 때마다 페이지 로드!

google.com/



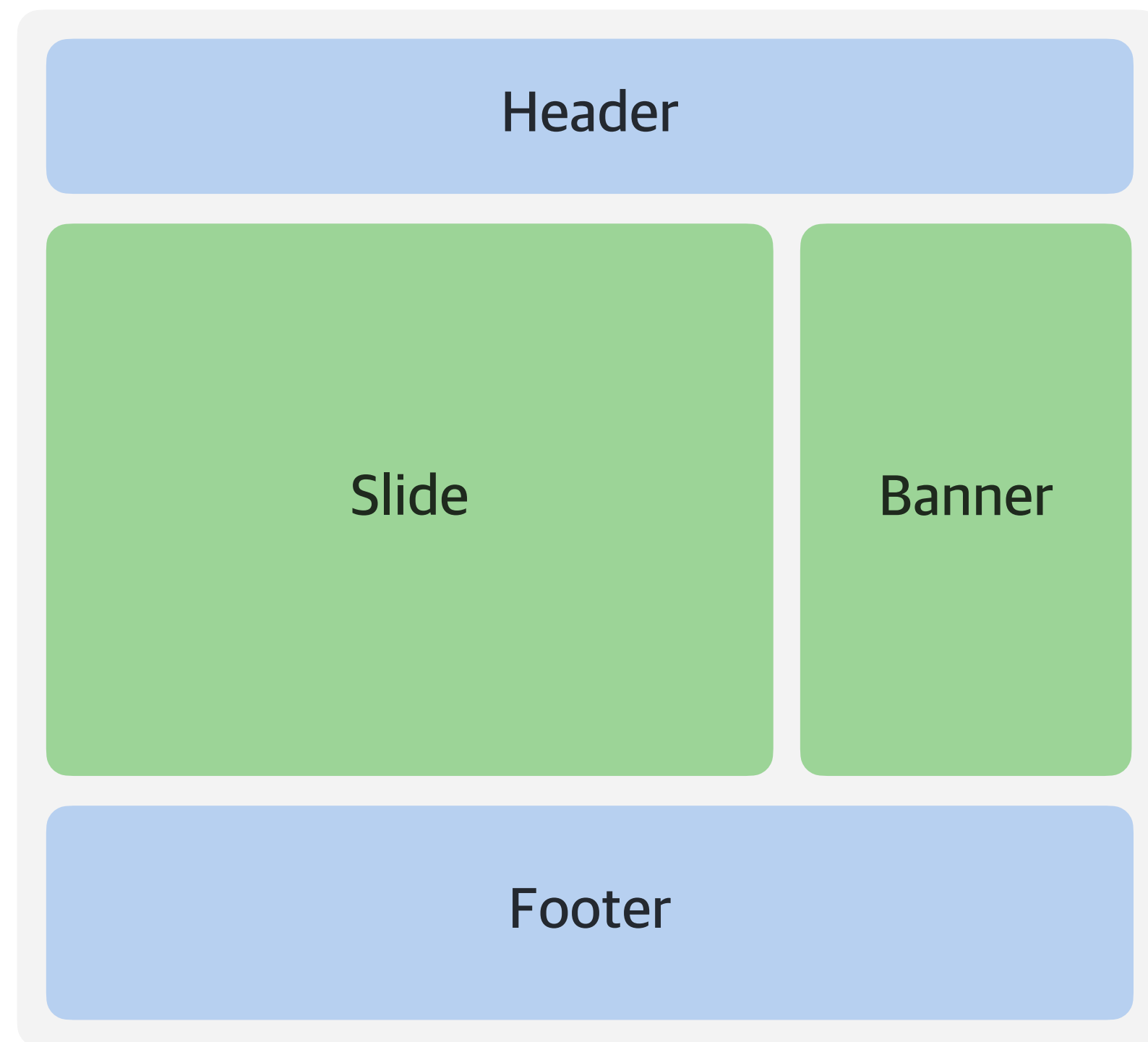
google.com/about



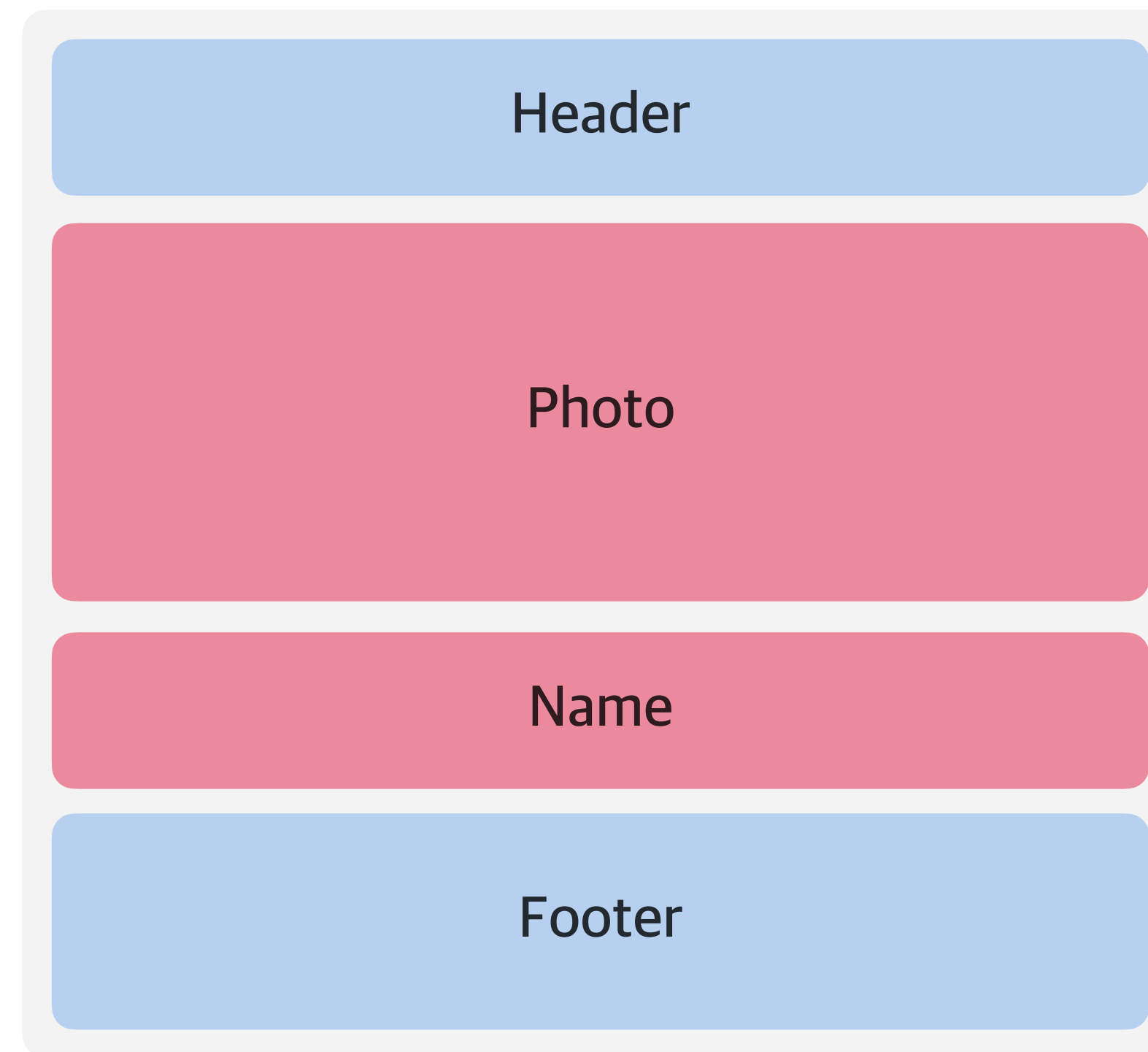
SPA(Single Page Application)

페이지 로드 없이 데이터 요청!

google.com/



google.com/#/about

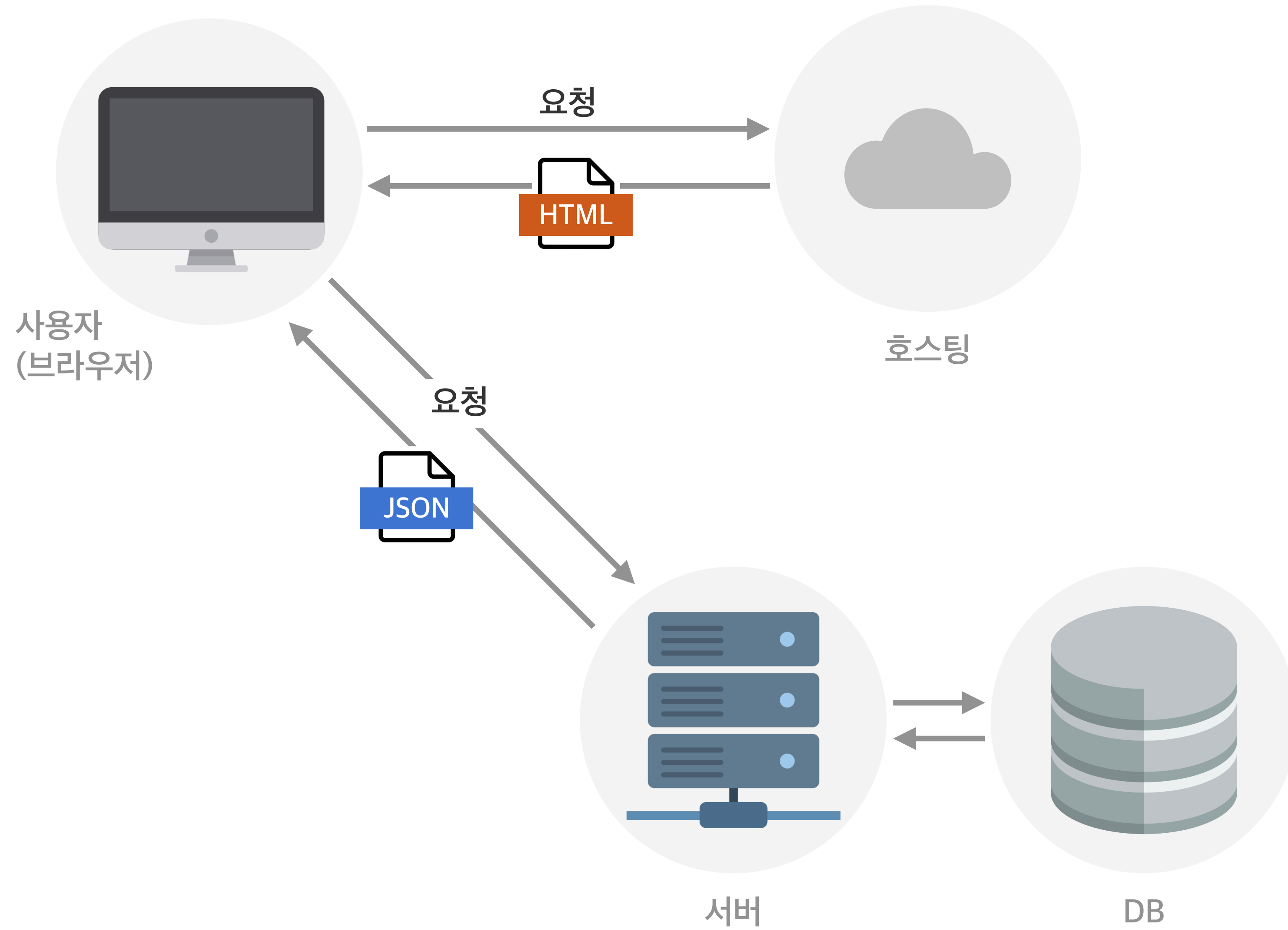


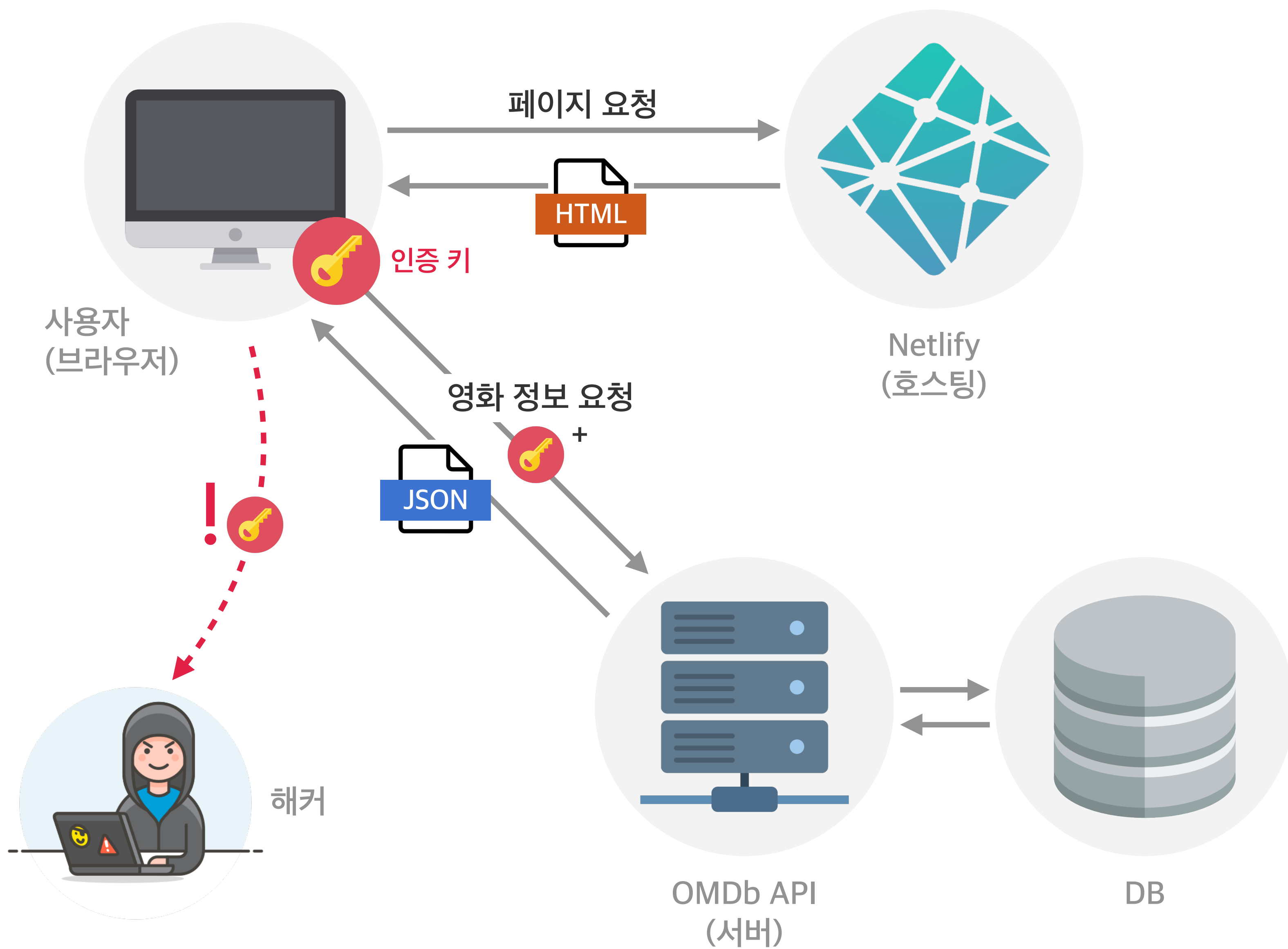
SPA 장점

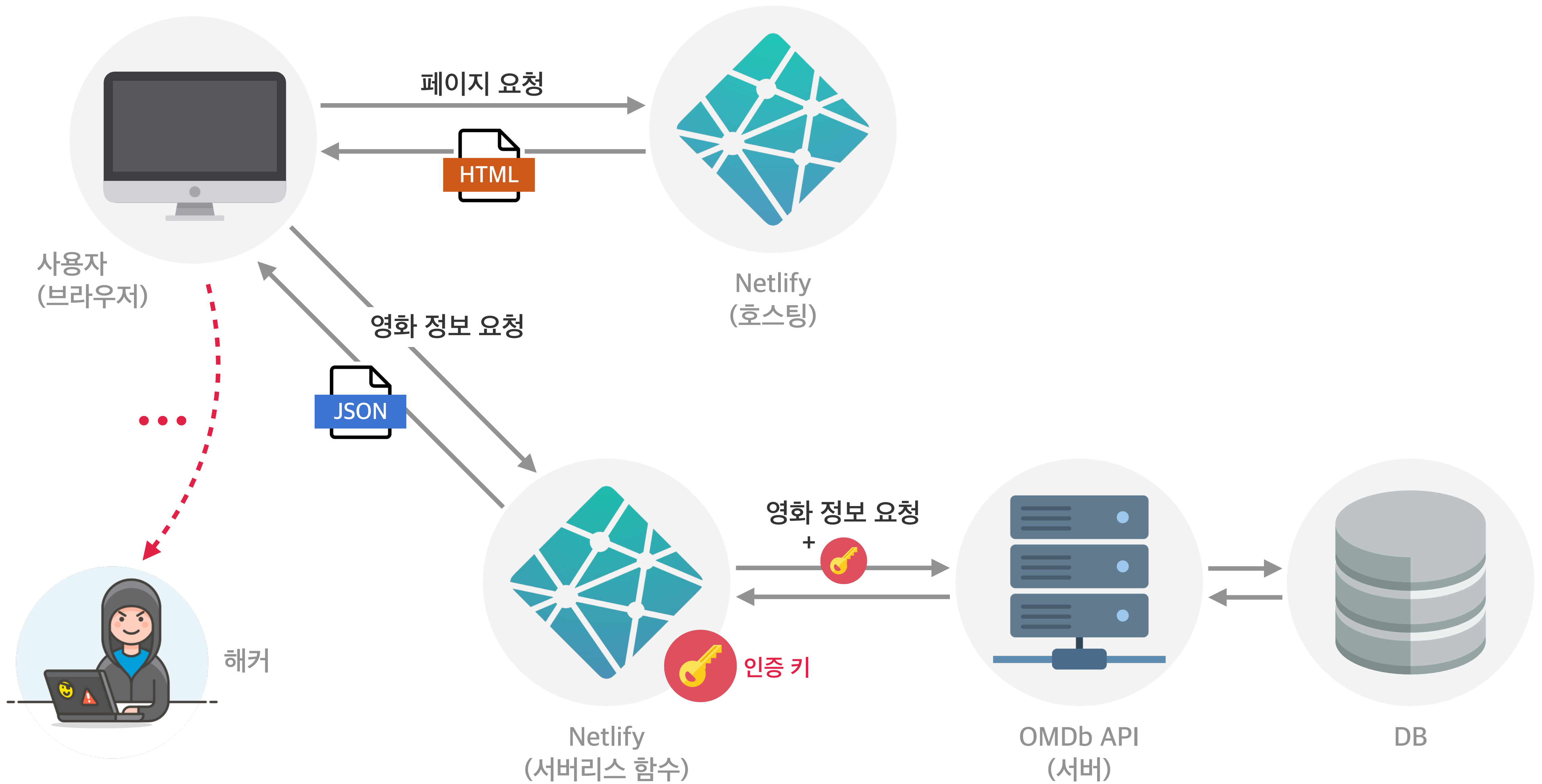
1. 빠르고 자연스런 전환으로 훌륭한 사용자 경험 제공
2. 더 적게 요청해 빠르게 렌더링 가능
3. 컴포넌트 단위 개발로 생산성 향상
4. 쉬운 분업화

SPA 단점

1. 느린 최초 로드 => Lazy loading, 브라우저 캐싱
2. 어려운 검색 엔진 최적화(SEO) => SSR, Serverless Functions
3. 모든 데이터 노출 => 비즈니스 로직 최소화







Unit Test

E2E Test

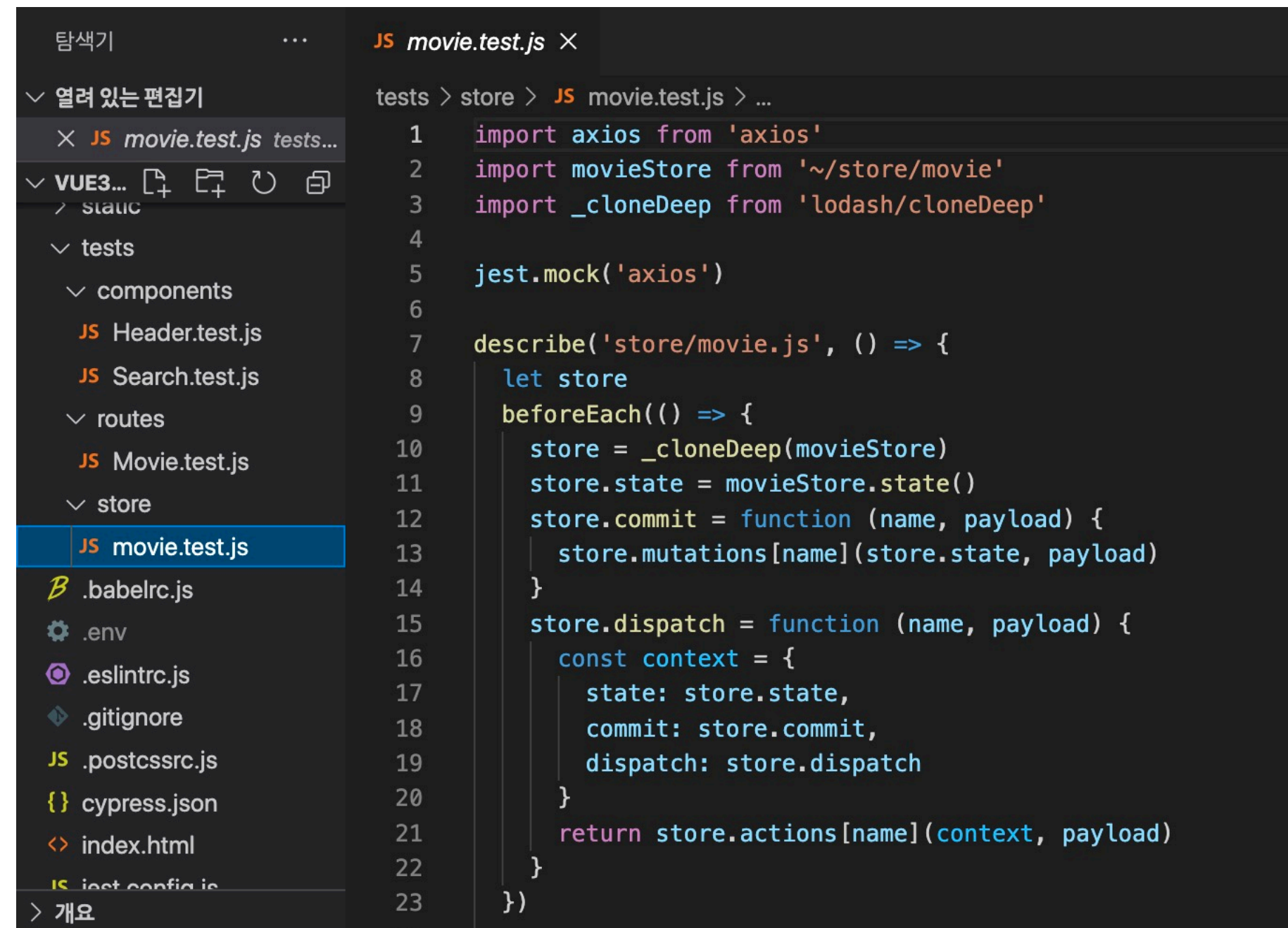
Unit Test

단위(Unit) 테스트란 데이터(상태), 함수(메소드), 컴포넌트 등의 정의된 프로그램 최소 단위들이 독립적으로 정상 동작하는지 확인하는 방법.

E2E Test

E2E(End to End) 테스트란 애플리케이션의 처음부터 끝까지의
실제 사용자의 관점에서 사용 흐름을 테스트하는 방법.

Unit Test



```

1  import axios from 'axios'
2  import movieStore from '~/store/movie'
3  import _cloneDeep from 'lodash/cloneDeep'
4
5  jest.mock('axios')
6
7  describe('store/movie.js', () => {
8    let store
9    beforeEach(() => {
10      store = _cloneDeep(movieStore)
11      store.state = movieStore.state()
12      store.commit = function (name, payload) {
13        store.mutations[name](store.state, payload)
14      }
15      store.dispatch = function (name, payload) {
16        const context = {
17          state: store.state,
18          commit: store.commit,
19          dispatch: store.dispatch
20        }
21        return store.actions[name](context, payload)
22      }
23    })
24  })

```

E2E Test

OMDb API THE OPEN MOVIE DATABASE

The OMDb API is a RESTful web service to obtain movie information, all content and images on the site are contributed and maintained by our users.
If you find this service useful, please consider making a one-time donation or become a patron.

movie

10

All Years

Apple

Unit Test



Jest



Vue Test Utils

E2E Test



Cypress

Nuxt

SPA
Single Page Application

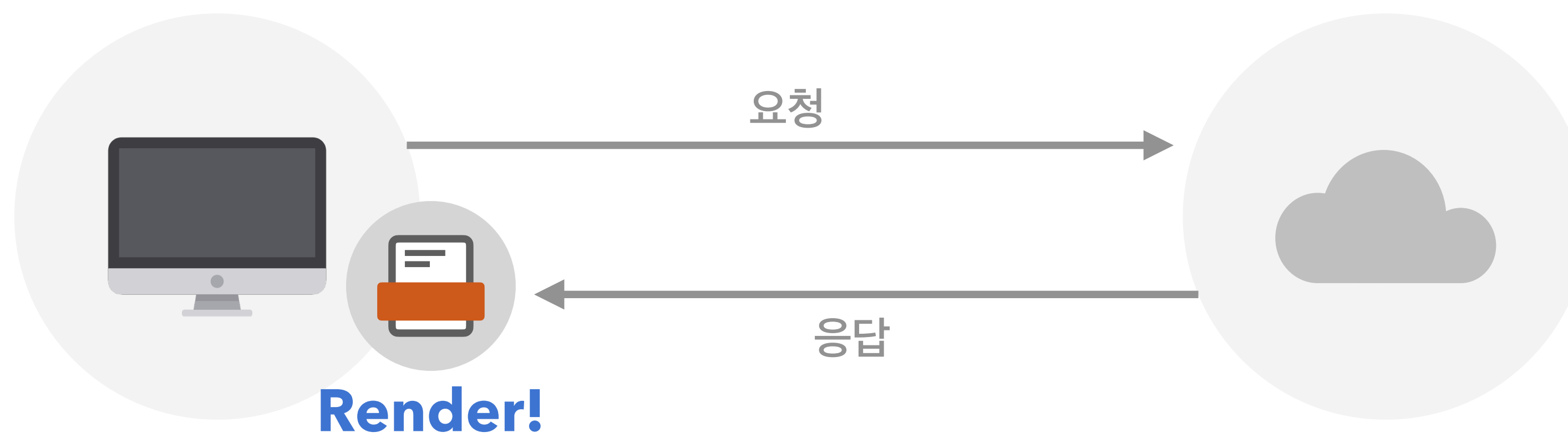
VS

SSR
Server Side Rendering

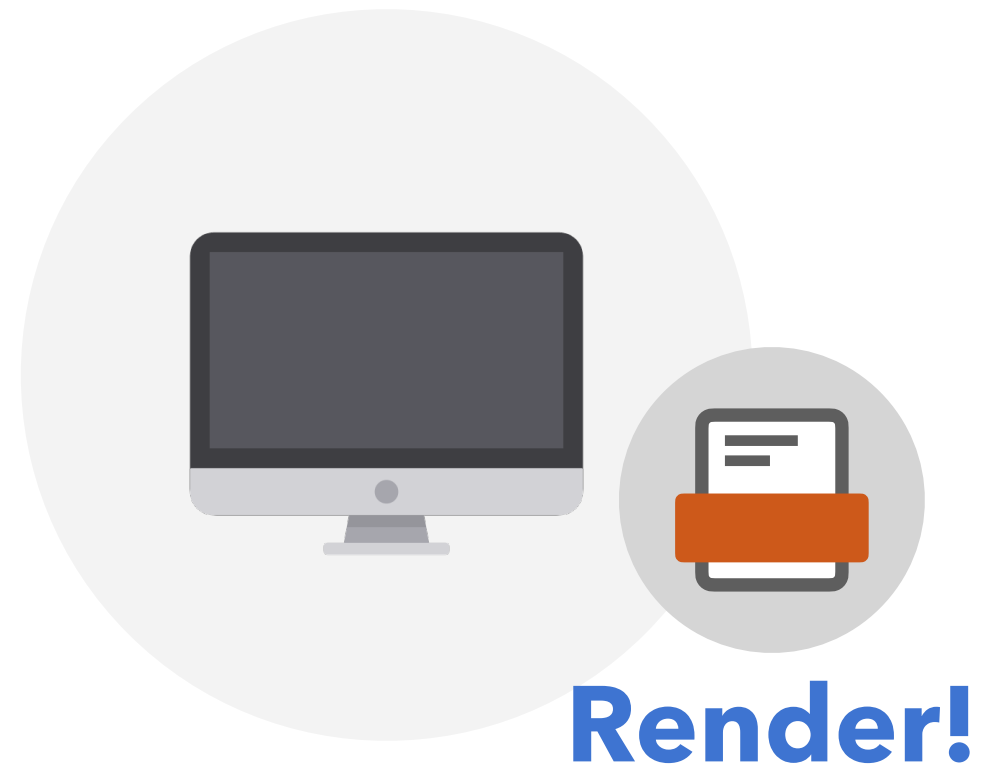
CSR
Client Side Rendering

VS

SSR
Server Side Rendering



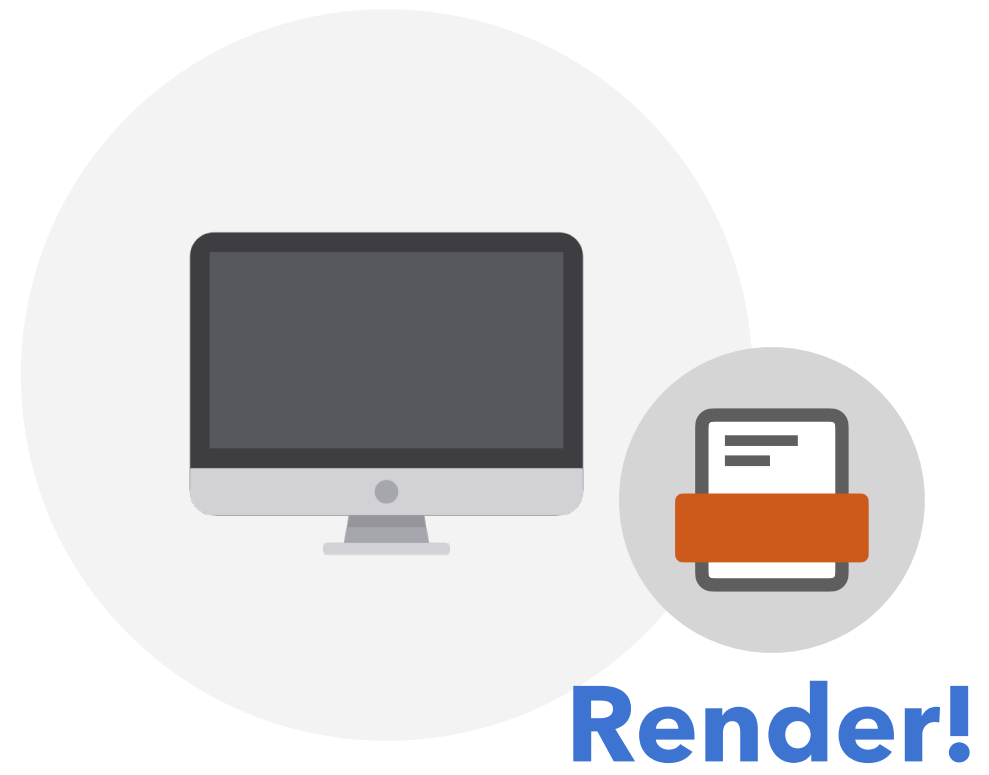
`https://mysite.com/#/`



...



https://mysite.com/#!/about



...

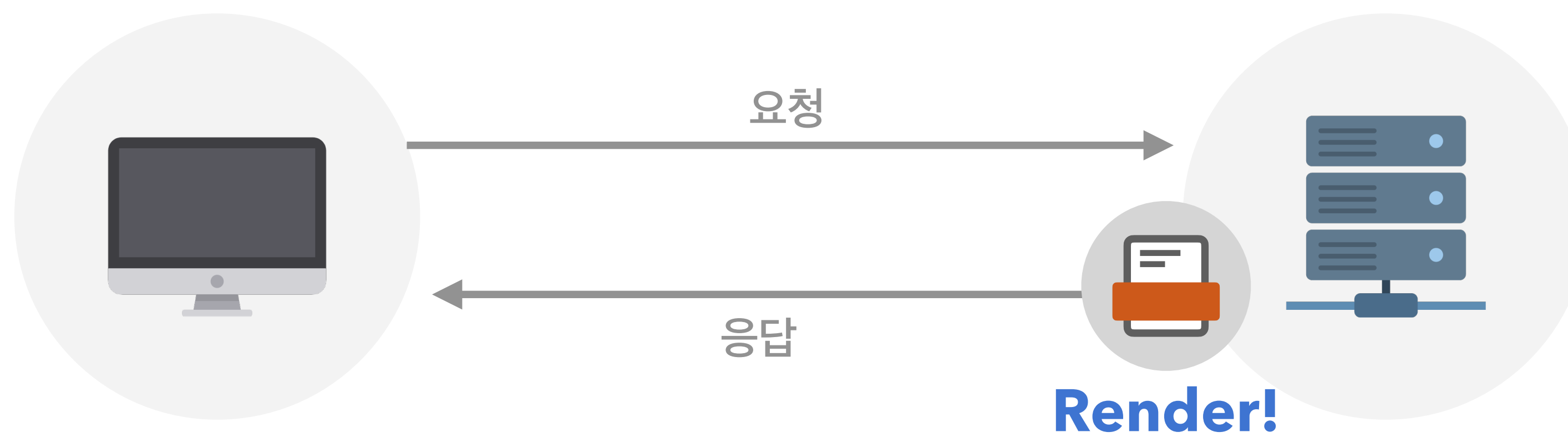


`https://mysite.com/#/movie/:id`

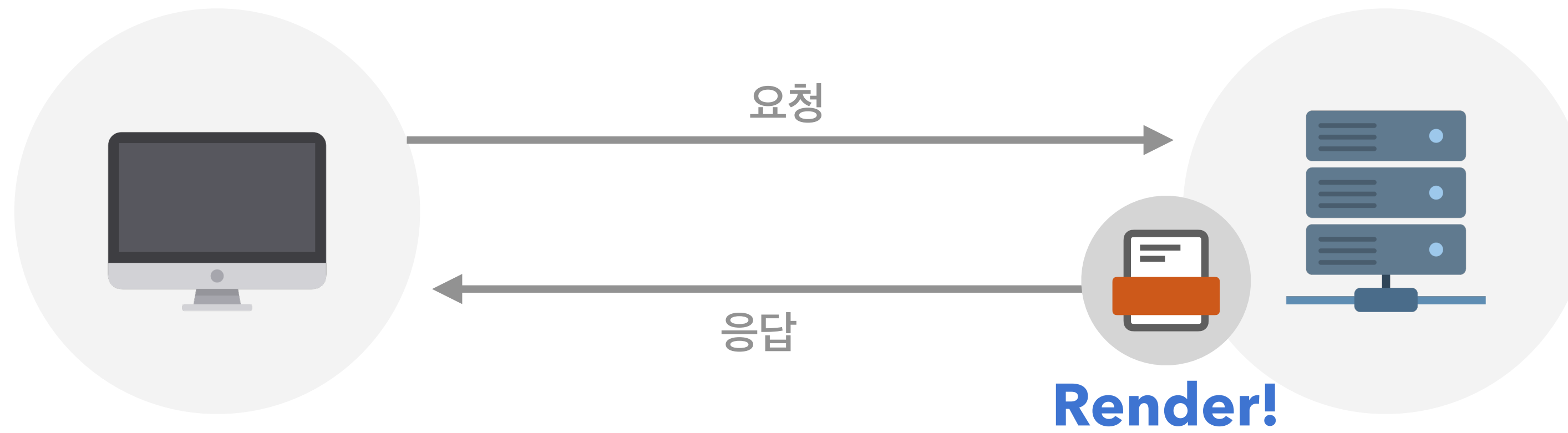


...

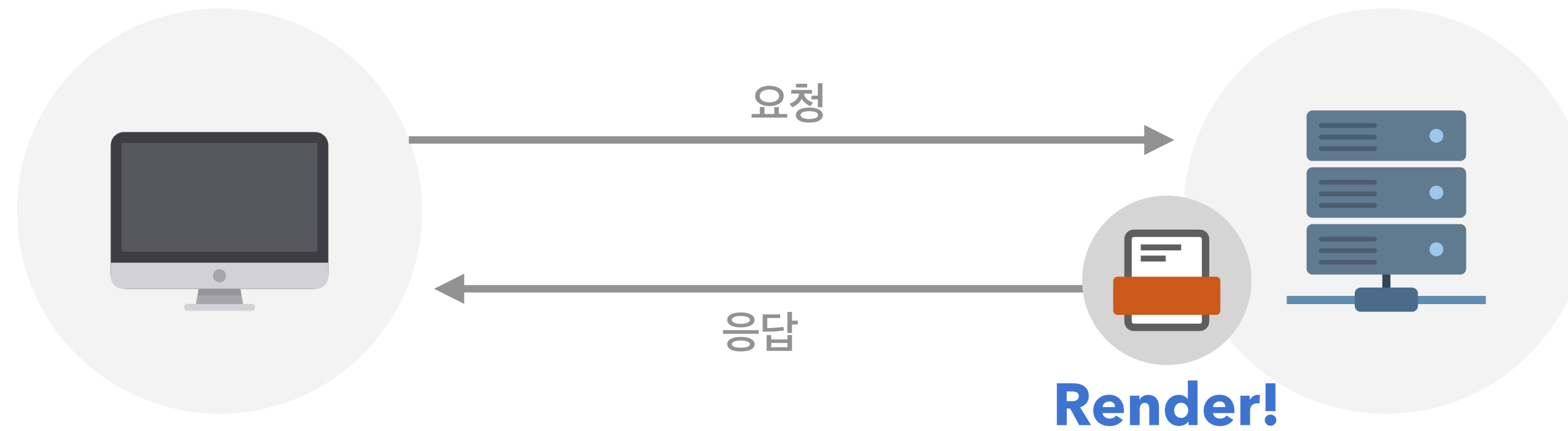




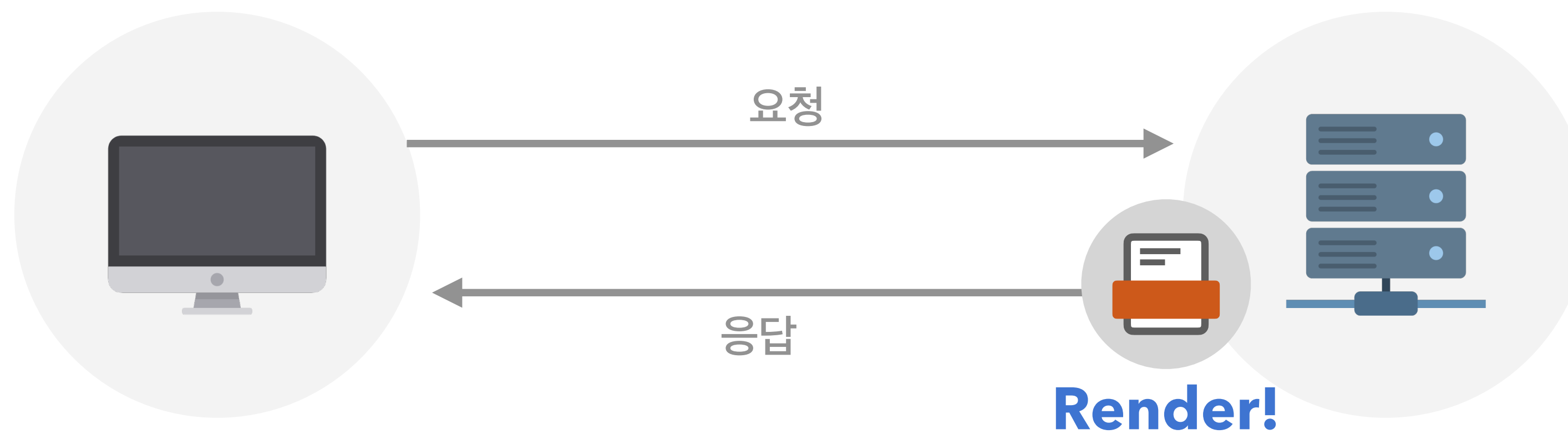
<https://mysite.com/>



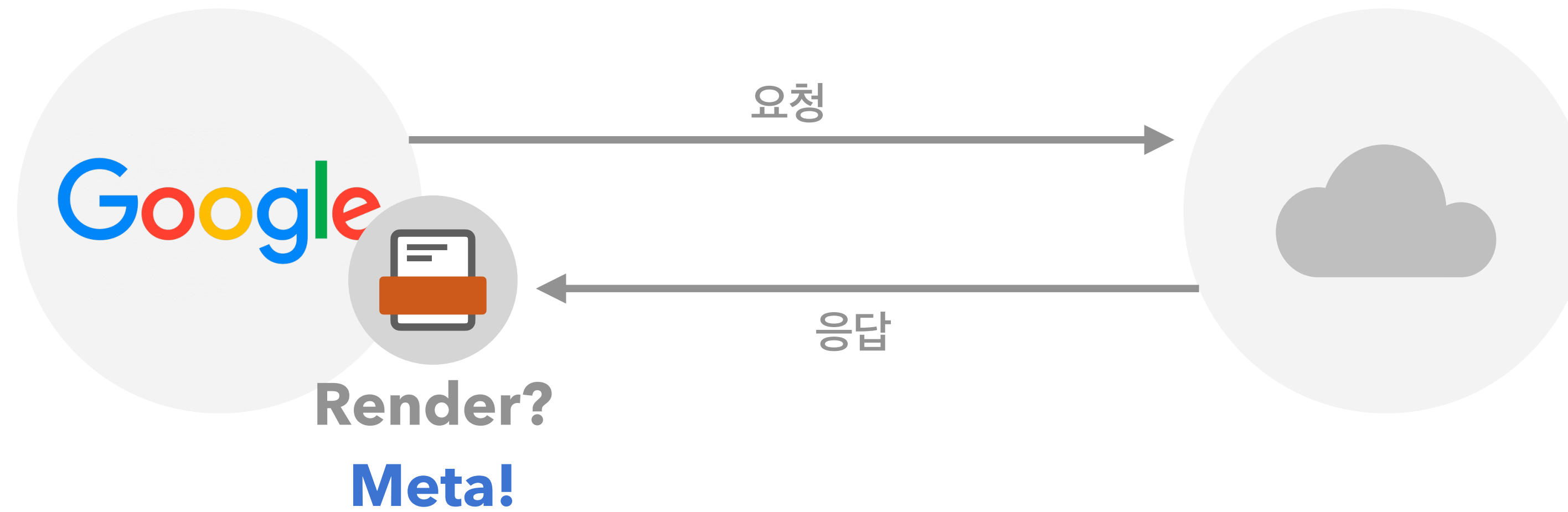
<https://mysite.com/about>



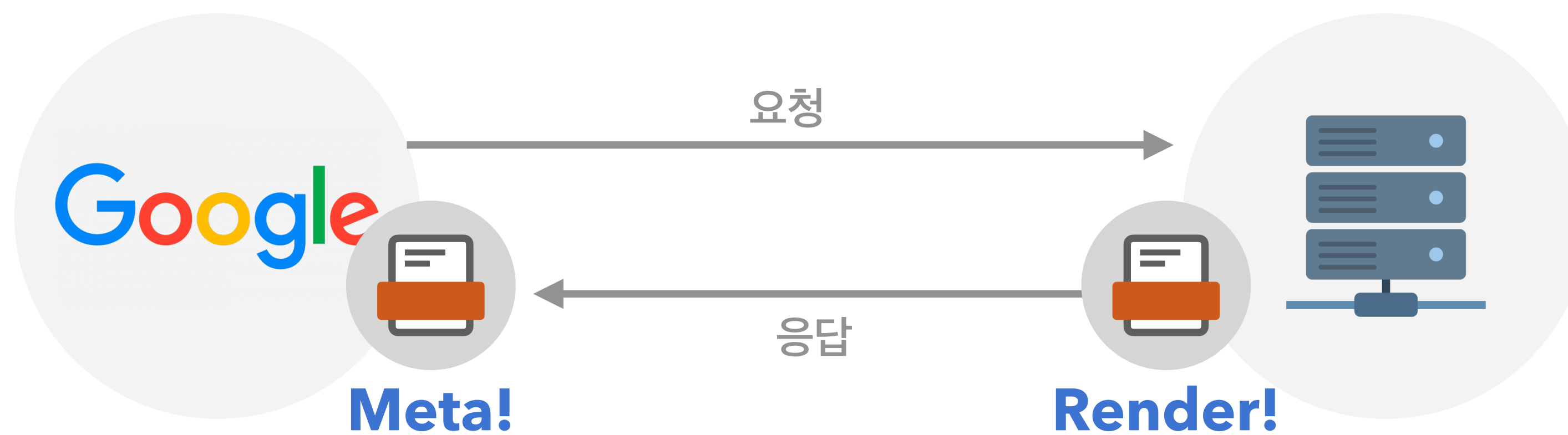
<https://mysite.com/movie/:id>



`https://mysite.com/#/movie/:id`



`https://mysite.com/movie/:id`



SEO

검색 엔진 최적화(Search Engine Optimization)

The Open Graph protocol

웹 페이지의 메타 데이터를 사용해 페이지 콘텐츠 표시를 표준화하기 위한
페이스북에서 만든 인터넷 프로토콜

