

23.12.28[Vue]

작성 일시 @2023년 12월 28일 오전 9:38

태그

[webServer]

Front

Html Css Js를 사용

V8 => 크롬 브라우저의 내장된 스크립트

(RunTime엔진 JS의 실행을 도와준다.)

해당 엔진으로 인해 작업 처리 속도가 빠르다.

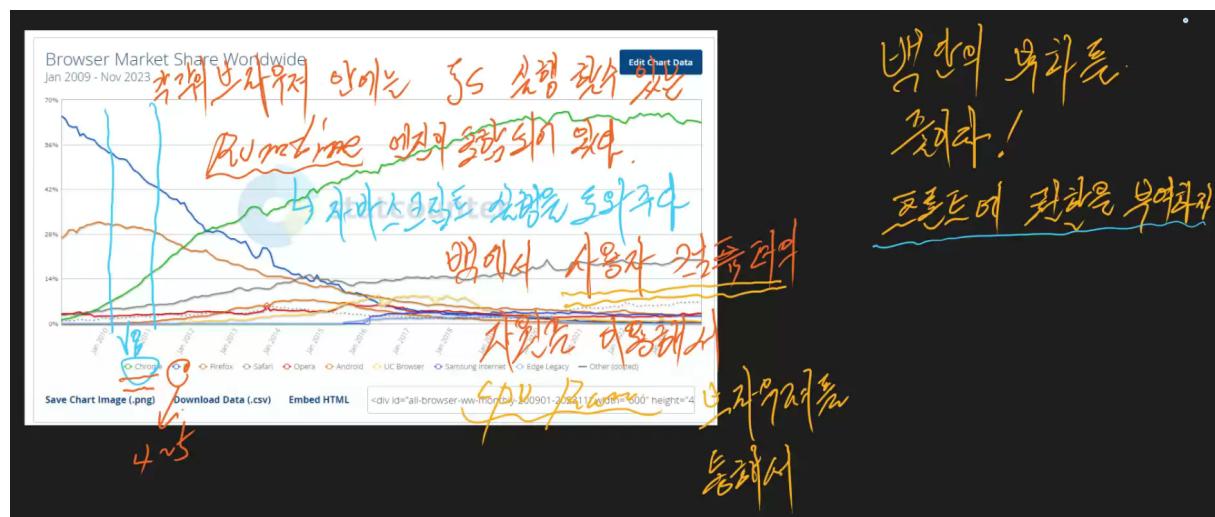
초기 웹서버

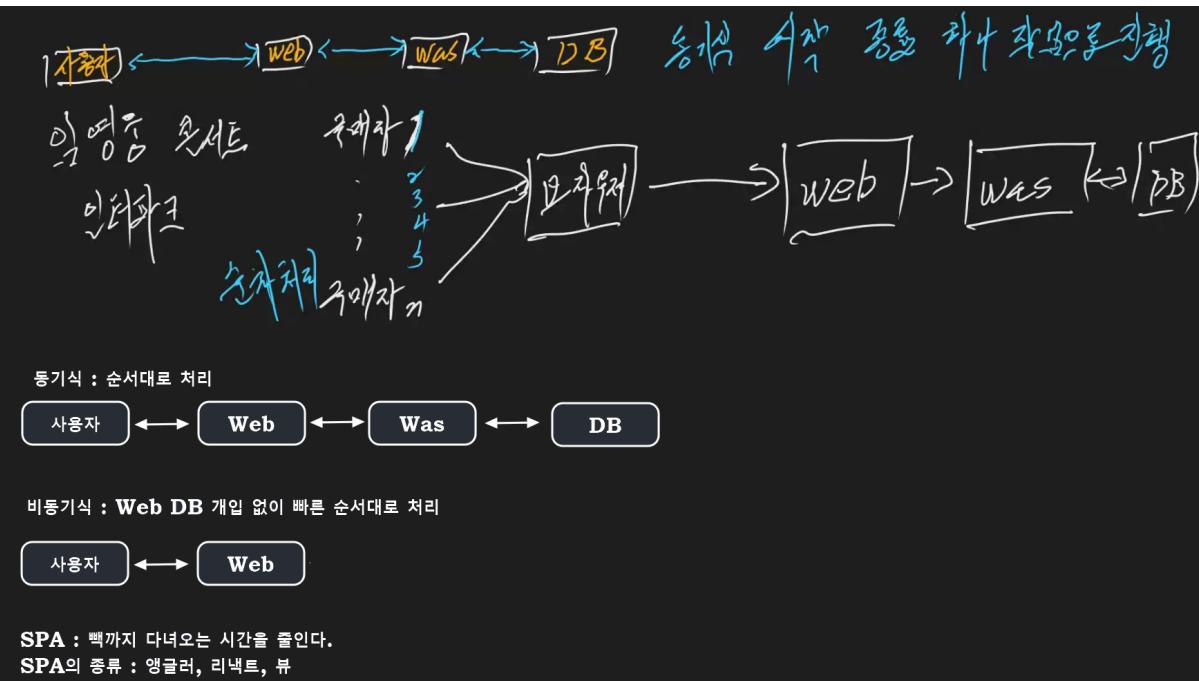


RunTime 엔진 : Back단에서 사용자 컴퓨터의 자원[cpu,ram,~]을 이용하여 브라우저를 통해 작동

Adobi 등장

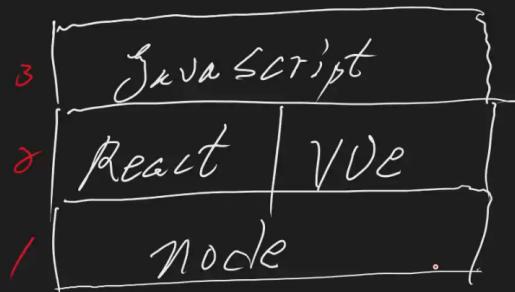
Adobi의 등장으로 web상에 애니메이션(플래쉬) 생성 가능
브라우저간의 상호 작용 가능
[로그인에 대한 실패 메세지 발생]





$\frac{n/m}{node.js}$ 차우스크립트 기반. 실행 \rightarrow 브자우리
↳ JS로 만들어진 프로그램의 실행 환경 제공 \rightarrow 전파의

1. 이벤트 처리와 비동기식 프로세스 작업
 2. 실시간 처리
 3. 브라우저가 자주 브로우징하는 경우
 4. JS 만들어진 과정을 서버 단에서 실행 가능



영문자	자막	비
한글 자음 나타내는 방법	상	종
자모	수	소리
자모부록	그저	
한글	았고	았고
기반	노드	노드
		타임존크립트 풀버그 후자
		자바스크립트에 차운팅 추가

주의 : 절정 종자 학교
없다.
백엔드 절속화할 경우
된다.

`npm` => 실행 환경 만드는데
프로젝트 생성이랑도 동현한다.
외부라이브러리
등
의존성
↳ `package.json` 파일을 생성
↳ 자료처리를 위한 로직(구조)

`npm install` => 프로젝트 생성
`npm server` => 로컬 서버 구동

주의사항 : 생성할 프로젝트 디렉토리가 존재해야 한다.

1. BackEnd 서버의 존재 이유 Was DB was : (계산) 다중이면서 복잡한 처리를 사용해야 할 경우 필요	BackEnd 서버의 존재 이유 : 웹서버가 죽지 않게 유지한다.
2. SPA가 DB 접속이 가능 브라우저 단에서 사용자의 컴퓨터 자원을 가지고 사용 [단일 스레드: 한번에 하나씩만 일을 한다.]	

3. 자료 처리가 브라우저 단에서 해결 할 수 없다.

NVM 설치

nodevem 설치

C:\Users\CEB>nvm list available

설치 리스트 확인

CURRENT	LTS	OLD STABLE	OLD UNSTABLE
21.5.0	20.10.0	0.12.18	0.11.16
21.4.0	20.9.0	0.12.17	0.11.15
21.3.0	18.19.0	0.12.16	0.11.14
21.2.0	18.18.2	0.12.15	0.11.13
21.1.0	18.18.1	0.12.14	0.11.12
21.0.0	18.18.0	0.12.13	0.11.11
20.8.1	18.17.1	0.12.12	0.11.10
20.8.0	18.17.0	0.12.11	0.11.9
20.7.0	18.16.1	0.12.10	0.11.8
20.6.1	18.16.0	0.12.9	0.11.7
20.6.0	18.15.0	0.12.8	0.11.6
20.5.1	18.14.2	0.12.7	0.11.5
20.5.0	18.14.1	0.12.6	0.11.4
20.4.0	18.14.0	0.12.5	0.11.3
20.3.1	18.13.0	0.12.4	0.11.2
20.3.0	18.12.1	0.12.3	0.11.1
20.2.0	18.12.0	0.12.2	0.11.0
20.1.0	16.20.2	0.12.1	0.9.12
20.0.0	16.20.1	0.12.0	0.9.11
19.9.0	16.20.0	0.10.48	0.9.10

This is a partial list. For a complete list, visit <https://nodejs.org/en/download/releases>

```
C:\Users\CEB>nvm install 18.16.1
Downloading node.js version 18.16.1 (64-bit)...
Extracting node and npm...
Complete
npm v8.5.1 installed successfully.
```

Installation complete. If you want to use this version, type

```
nvm use 18.16.1
```

```
C:\Users\CEB>nvm install 18.20.1
```

Version 18.20.1 is not available.

The complete list of available versions can be found at <https://nodejs.org/dist/index.json>

```
C:\Users\CEB>nvm install 16.20.1
Downloading node.js version 16.20.1 (64-bit)...
Extracting node and npm...
Complete
npm v8.19.4 installed successfully.
```

Installation complete. If you want to use this version, type

```
nvm use 16.20.1
```

```
C:\Users\CEB>nvm use 18.16.1
Now using node v18.16.1 (64-bit)
```

```
C:\Users\CEB>nvm list
```

```
* 18.16.1 (Currently using 64-bit executable)
  16.20.1
```

```
C:\Users\CEB>
```

vue 수동 설치

```
노드 패키지 설치 [vue/cli]
C:\work\test>npm install -g @vue/cli
npm WARN deprecated source-map-uri@0.4.1: See https://github.com/lydell/source-map-uri#deprecated
npm WARN deprecated urix@0.1.0: Please see https://github.com/lydell/urix#deprecated
npm WARN deprecated @babel/plugin-proposal-class-properties@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-class-properties instead.
npm WARN deprecated @babel/plugin-proposal-nullish-coalescing-operator@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-nullish-coalescing-operator instead.
npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#deprecated
npm WARN deprecated source-map-resolve@0.5.3: See https://github.com/lydell/source-map-resolve#deprecated
npm WARN deprecated @babel/plugin-proposal-optimal-chaining@7.21.0: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-optimal-chaining instead.
npm WARN deprecated apollo-datasource@0.3.2: The `apollo-datasource` package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023 and October 22nd 2024, respectively). See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated apollo-server-errors@0.3.1: The `apollo-server-errors` package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023 and October 22nd 2024, respectively). This package's functionality is now found in the `@apollo/server` package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated apollo-server-plugin-base@0.3.7.2: The `apollo-server-plugin-base` package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023 and October 22nd 2024, respectively). This package's functionality is now found in the `@apollo/server` package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated apollo-server-types@0.8.0: The `apollo-server-types` package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023 and October 22nd 2024, respectively). This package's functionality is now found in the `@apollo/server` package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated shortid@0.2.16: Package no longer supported. Contact Support at https://www.npmjs.com/support for more info.
npm WARN deprecated apollo-reporting-protobuf@0.3.4.0: The `apollo-reporting-protobuf` package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023 and October 22nd 2024, respectively). This package's functionality is now found in the `@apollo/usage-reporting-protobuf` package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated apollo-server-env@0.4.2.1: The `apollo-server-env` package is part of Apollo Server v2 and v3, which are now deprecated (end-of-life October 22nd 2023 and October 22nd 2024, respectively). This package's functionality is now found in the `@apollo/utils.fetcher` package. See https://www.apollographql.com/docs/apollo-server/previous-versions/ for more details.
npm WARN deprecated subscriptions-transport-ws@0.11.0: The `subscriptions-transport-ws` package is no longer maintained. We recommend you use `graphql-ws` instead. For help migrating Apollo software to `graphql-ws`, see https://www.apollographql.com/docs/apollo-server/data/subscriptions/#switching-from-subscriptions-transport-ws For general help using `graphql-ws`, see https://github.com/enisdenjo/graphql-ws/blob/master/README.md

added 856 packages in 48s
npm notice
npm notice New major version of npm available! 9.5.1 => 10.2.5
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.2.5
npm notice Run npm install -g npm@10.2.5 to update!
npm notice

C:\work\test>dir
C 드라이브의 볼륨에는 이름이 없습니다.
볼륨 일련 번호: 90DD-57AE

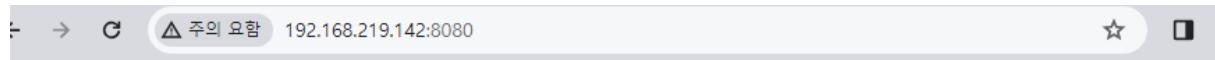
C:\work\test 디렉터리

2023-12-28 오전 11:59 <DIR> .
2023-12-28 오전 11:59 <DIR> ..
2023-12-28 오전 11:59 83 package-lock.json
          1개 파일 83 바이트
          2개 디렉터리 56,925,347,840 바이트 남음

C:\work\test>vue --version vue/cli 버전[vue 생성 프로그램]
@vue/cli 5.0.8

C:\work\test>vue create testVue - vue 프로젝트 생성

Vue CLI v5.0.8
? Please pick a preset: (Use arrow keys)
> Default ([Vue 3] babel, eslint) 선택
Default ([Vue 2] babel, eslint)
Manually select features
```



Welcome to Your Vue.js App

For a guide and recipes on how to configure / customize this project,
check out the [vue-cli documentation](#).

Installed CLI Plugins

[babel](#) [eslint](#)

Essential Links

server 실행

[Core Docs](#) [Forum](#) [Community Chat](#) [Twitter](#) [News](#)

```
C:\#work#\test#\testvue>npm run serve
```

Ecosystem

[vue-router](#) [vuex](#) [vue-devtools](#) [vue-loader](#) [awesome-vue](#)

local || Network 주소 입력해서 뷰 접속

```
> testvue@0.1.0 serve
> vue-cli-service serve
[INFO] Starting development server...
[DONE] Compiled successfully in 3308ms

App running at:
- Local: http://localhost:8080/
- Network: http://192.168.219.142:8080/

Note that the development build is not optimized.
To create a production build, run npm run build.
```

```
C:\work\test\testvue>cd ..  
C:\work\test>npm uninstall -g @testvue  
up to date in 96ms  
C:\work\test>dir  
C 드라이브의 볼륨에는 이름이 없습니다.  
볼륨 일련 번호: 90DD-57AE  
C:\work\test 디렉터리  
  
2023-12-28 오후 12:10 <DIR> .  
2023-12-28 오후 12:10 <DIR> ..  
2023-12-28 오전 11:59 83 package-lock.json  
2023-12-28 오후 12:12 <DIR> testvue  
          1개 파일 83 바이트  
          3개 디렉터리 56,694,738,944 바이트 남음  
  
C:\work\test>  
파일은 남지만 뷰에서 삭제
```

인텔리J에서 vue 설치

npm install 이전에 npm init -y 먼저

```
PS C:\work\test> nvm ls  
  
* 18.16.1 (Currently using 64-bit executable)  
 16.20.1  
PS C:\work\test> npm install -g @vue/cli
```

```
PS C:\work\test> cd testvue  
PS C:\work\test\testvue> vue create testvue
```

```
Vue CLI v5.0.8
? Please pick a preset: Manually select features
? Check the features needed for your project: (Press <space> to select, <a> to toggle all, <i> to invert selection, and <enter> to proceed)
>(*) Babel      하위 문법과 호환 되게 자동 조정
(*) TypeScript
( ) Progressive Web App (PWA) Support
(*) Router       vue 내에서 파일과 파일의 경로 설정
(*) Vuex        프록시 기능설정
(*) CSS Pre-processors
(*) Linter / Formatter vue 내에서 파일과 파일의 경로 설정
( ) Unit Testing
( ) E2E Testing

Vue CLI v5.0.8
? Please pick a preset: Manually select features
? Check the features needed for your project: Babel, TS, Router, Vuex, CSS Pre-processors, Linter
? Choose a version of Vue.js that you want to start the project with
  3.x
> 2.x

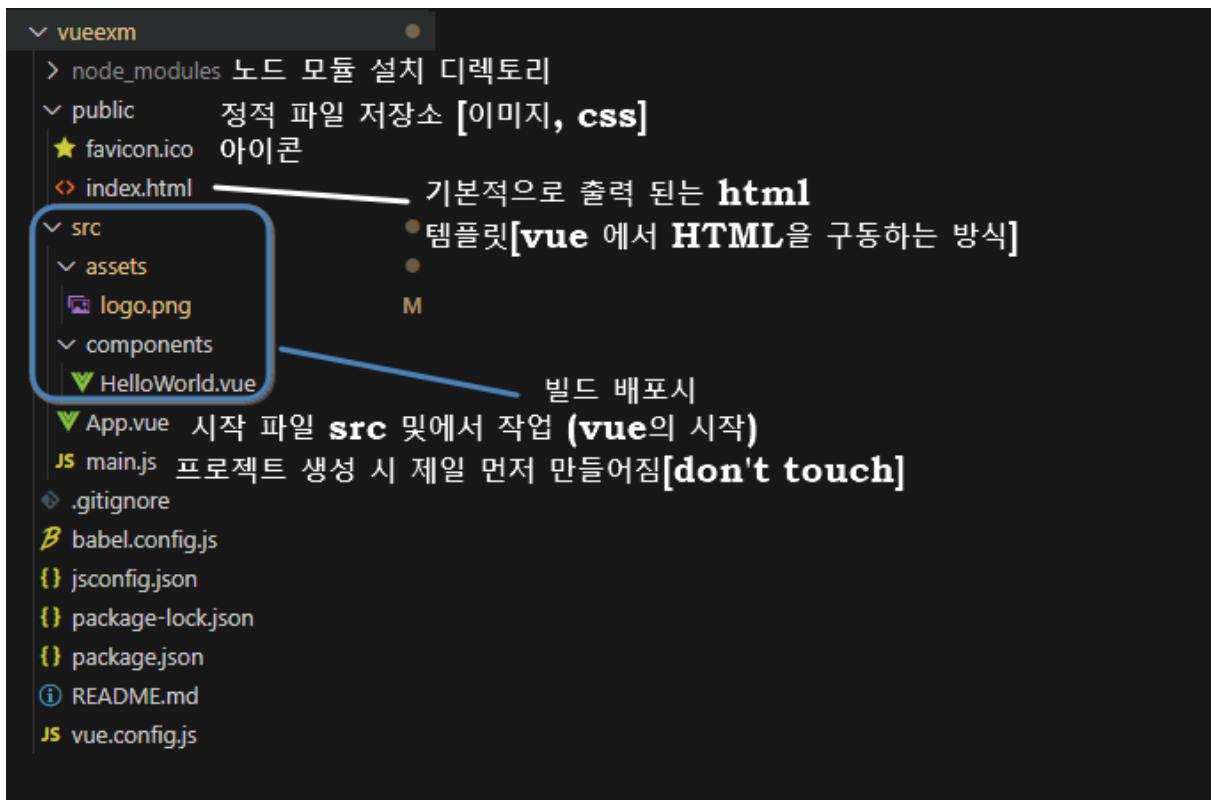
Vue CLI v5.0.8
? Please pick a preset: Manually select features
? Check the features needed for your project: Babel, TS, Router, Vuex, CSS Pre-processors, Linter
? Choose a version of Vue.js that you want to start the project with 2.x
? Use class-style component syntax? Yes
? Use Babel alongside TypeScript (required for modern mode, auto-detected polyfills, transpiling JSX)? Yes
? Use history mode for router? (Requires proper server setup for index fallback in production) Yes
? Pick a CSS pre-processor (PostCSS, Autoprefixer and CSS Modules are supported by default): Sass/SCSS (with dart-sass)
? Pick a linter / formatter config: Basic
? Pick additional lint features: Lint on save
? Where do you prefer placing config for Babel, ESLint, etc.? In package.json
? Save this as a preset for future projects? Yes
? Save preset as:

Run `npm audit` for details.
↳ Running completion hooks...

Generating README.md...
▶ Successfully created project testvue.
▶ Get started with the following commands:

$ cd testvue
$ npm run serve
```

프로젝트는 vue2로 진행



```
Vue CLI v5.0.8
? Please pick a preset: Manually select features
? Check the features needed for your project: (F)
>(*) Babel
  ( ) TypeScript
  ( ) Progressive Web App (PWA) Support
  ( ) Router
  ( ) Vuex
  ( ) CSS Pre-processors
(*) Linter / Formatter
  ( ) Unit Testing
  ( ) E2E Testing

Babel - es6이상으로 개발 시 브라우저 버전과 상관없이 자동 병환 기능 eslint 포함
TypeScript - React 개발시 필요
Progressive web App (PWA) Support - 웹, 앱 개발 도구 지원
Router - 경로 설정 → 파일 위치 경로
Vuex - vue의 생태 관리 → vue의 생명 주기
CSS Pre-processors - CSS 전 처리 /작성을 도와준다.
Linter /Formatter - 자바 스크립트 코딩 시 변환해주는 일을 한다.
Unit Testiong - 단위 테스트
E2E Testing - 총괄 테스트
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Vue CLI v5.0.4
? Please pick a preset: Manually select features
? Check the features needed for your project: Babel, Router, Vuex, Linter
? Choose a version of Vue.js that you want to start the project with 3.x
? Use history mode for router? (Requires proper server setup for index fallback in production) (Y/n) Y
↳ 상속 보자 VUE 알맞은 정답
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Vue CLI v5.0.4

- ? Please pick a preset: Manually select features
- ? Check the features needed for your project: Babel, Router, Vuex, Linter
- ? Choose a version of Vue.js that you want to start the project with 3.x
- ? Use history mode for router? (Requires proper server setup for index fallback in production) (Y/n) Y
↳ 상속 부자 관계 Vue 양방향성 전달

? Pick a linter / formatter config:

- ESLint with error prevention only 표준적으로 선택한다
- ESLint + Airbnb config 에러 체크
- > ESLint + Standard config 표준 가이드 선택
- ESLint + Prettier

? Where do you prefer placing config for Babel, ESLint, etc.
In dedicated config files
> In package.json