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WEB APP HTML CSS JavaScript —

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1990 - 2004

- `□□□□`
- `js□□`
- `□□□□□`

**web2.0**  
**2004 - 2008**

- `□□□□□□□`
- `Ajax□□□□□□□`
- `□□:jQuery`

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2008 - 2015

- V8
- Node.js
- MVVM/MVC
- /SPA

□□□□□  
2015 - 2020

- 10개의 블록을 사용한다
- OS가 블록을 관리한다

□□□□□  
2020 ~ ?

- 
- 
- 
- serverless
- lowcode/nocode
- WebAssembly

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The only constant in the world is change.

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[illegible]

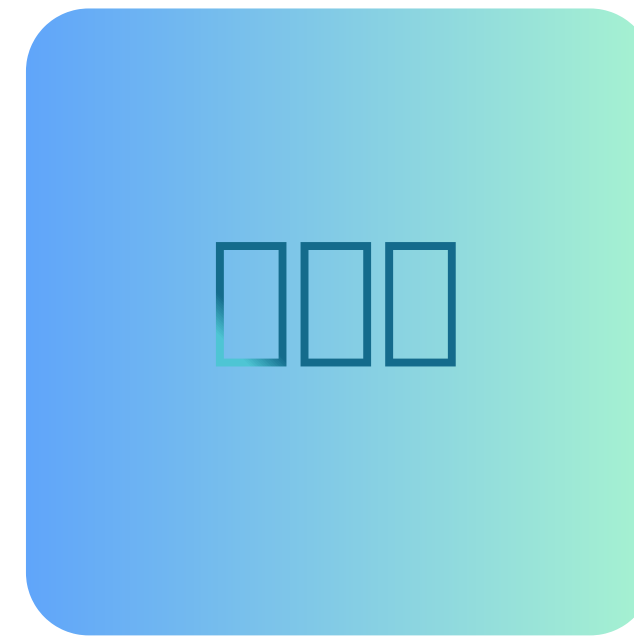
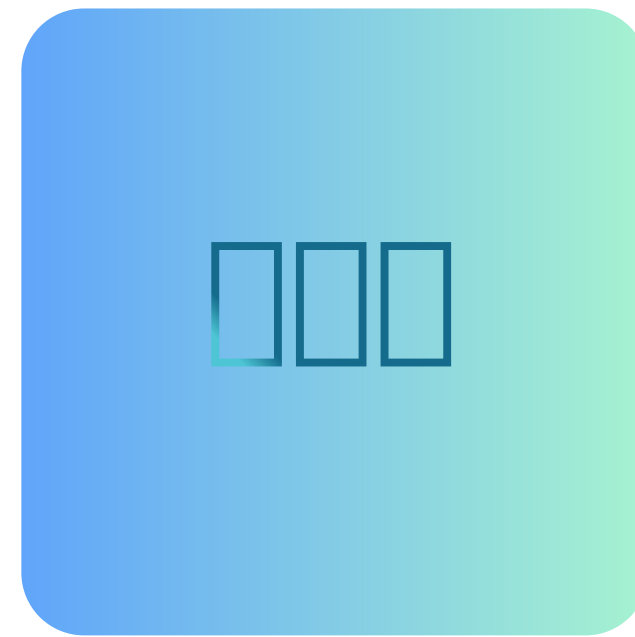
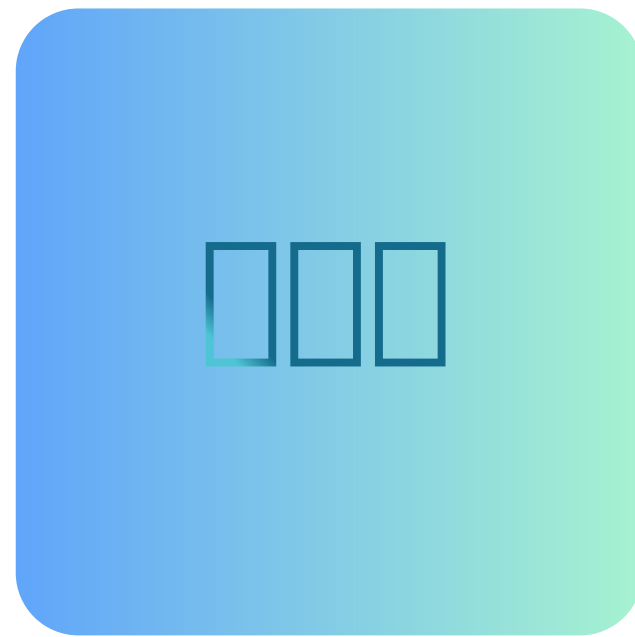
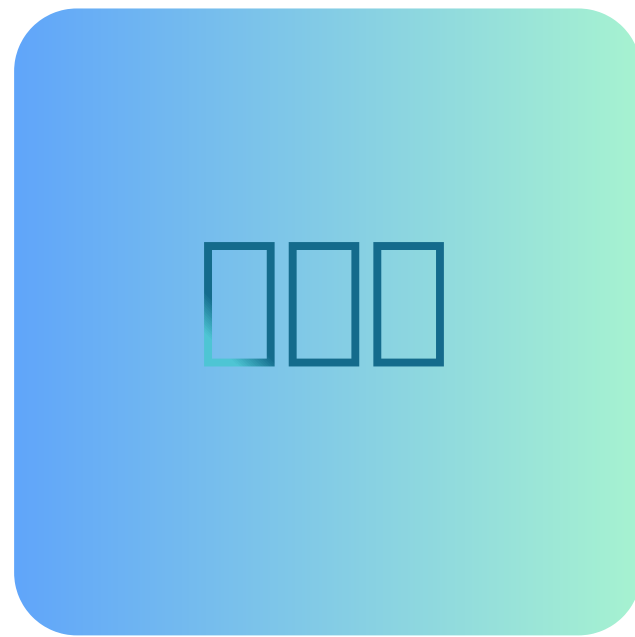
- `ReactDOM.render(

JS`
- `WebApp`
-

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[illegible]

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# Webpack - 模块打包

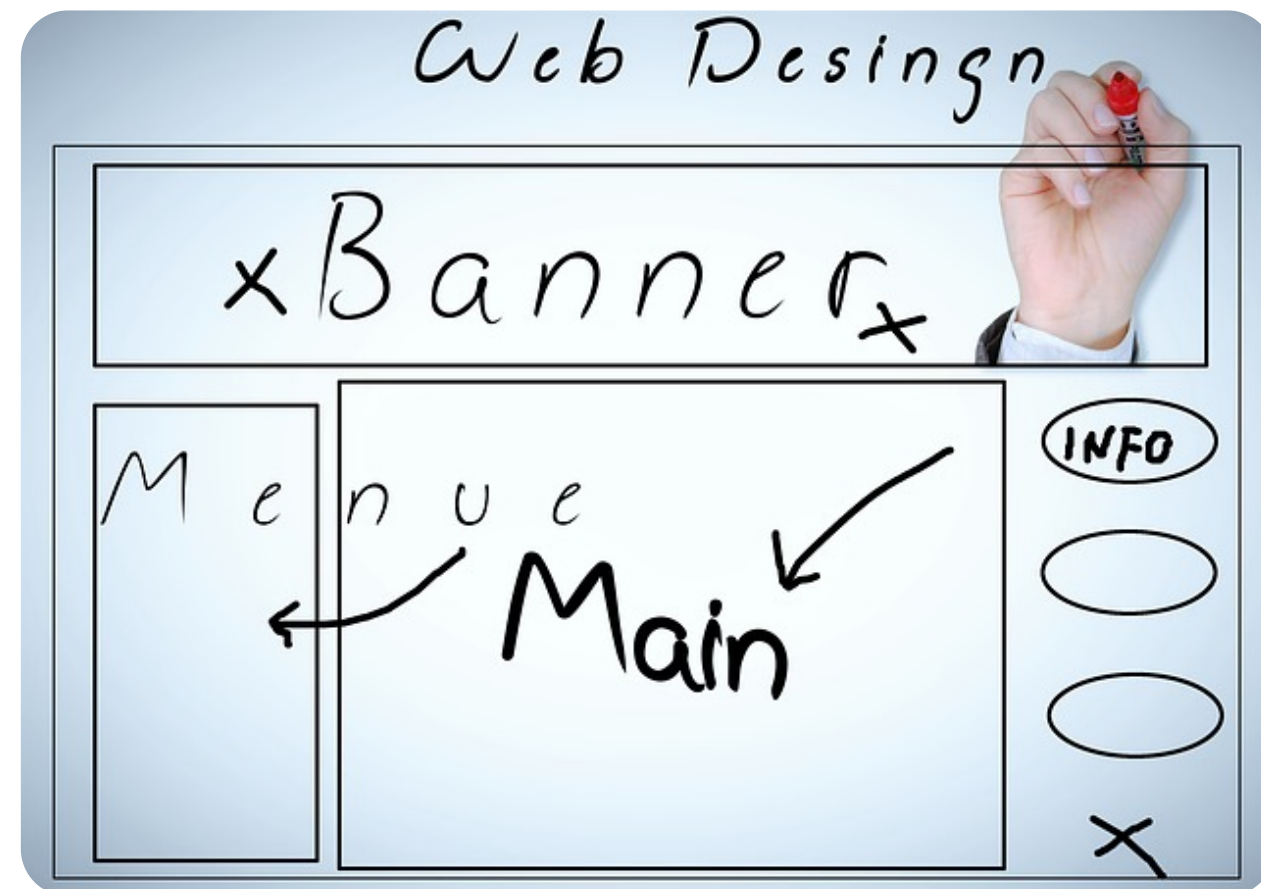
模块打包器(module bundler) 将模块打包成 bundle



- JS 打包器CommonJSAMDAMD CMD 打包 ES6 Module打包
- CSS 打包器SassLessStylusBEMCSS Modules 打包器BEM 打包器CSS Modules 打包器
- JS 打包器打包器JS 打包器 CSS 打包器 Vue 打包 style scoped打包
- 打包器打包器打包器打包器打包器打包器打包器打包器打包器CSS打包器打包器JS 打包器打包器

[illegible]

- [illegible]



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[illegible]

- 開発環境構築;
- 開発環境構築 (ESLint, StyleLint);
- 開発;
- 開発 (BEM, Sass, Less, Stylus, CSS Modules);
- git flow 開発環境構築;
- code review;

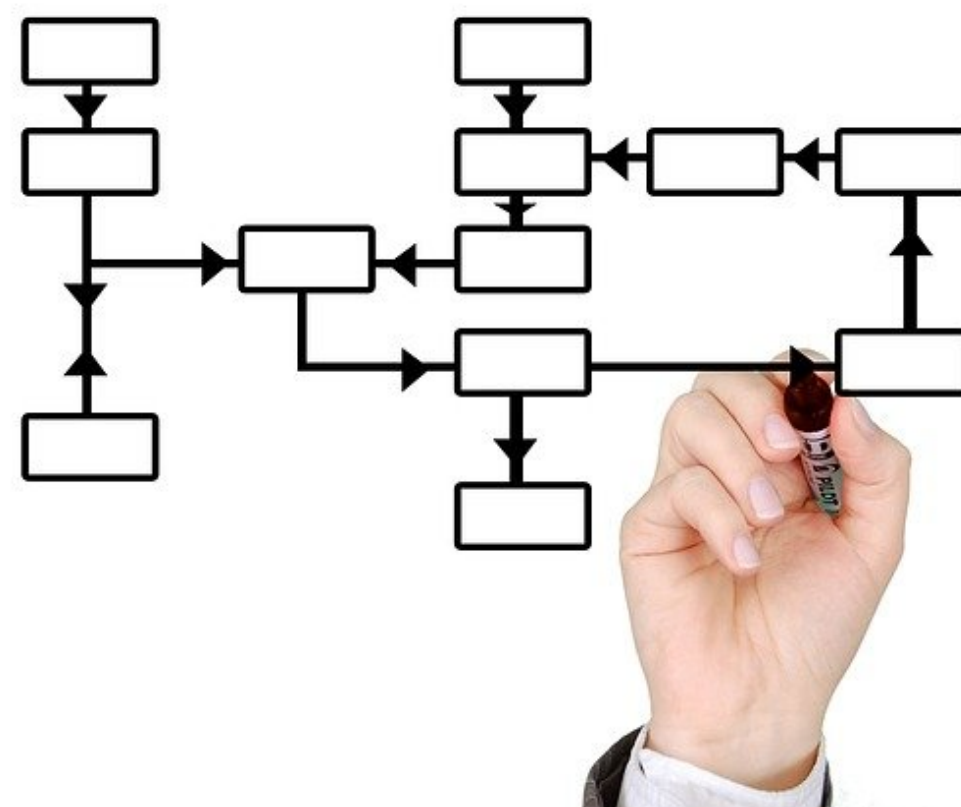
- [illegible]

- □ □ □ :

- `BEM``Sass``Less``Stylus``CSS Modules` `...`;

- git flow □□□□□□□□□□□□□□□□□□□□□□;

- code review;



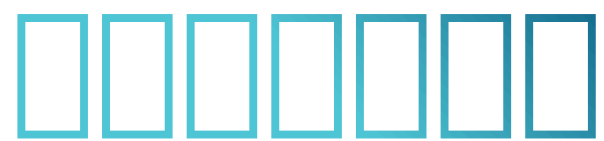


# 前端工程化-部署

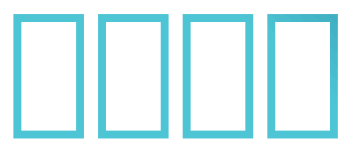
前端工程化-部署

- webpack/parcel/ESbuild;
- CI/CD;
- 部署;





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Well begun is half done.

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□□□□□□□□VUE / REACT / ANGULAR / ...□?

	Angular	React	Vue
□□□□	2010□	2013□	2014
□□□□	TypeScript	□□□□JavaScript□□□	JavaScript/HTML/TypeScript
□□	Incremental DOM	Virtual DOM	Virtual DOM
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□□	□□	□	□
□□□	□	□	□
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□□□□	□□□□□□□□□□□□	□□Web□□SPA□□	□□□Web SPA□□

# Incremental DOM

Incremental DOM

Angular

```
@Component({
  selector: 'todos-cmp',
  template: `
    <div *ngFor="let t of todos|async">
      {{t.description}}
    </div>
  `,
})
class TodosComponent {
  todos: Observable<Todo[]> = this.store.pipe(select('todos'))
  constructor(private store: Store<AppState>) {}
}
```

React

```
var TodosComponent = /** @class */ (function () {
  function TodosComponent(store) { /* store component */ }
  TodosComponent.ngComponentDef = defineComponent({
    type: TodosComponent,
    selectors: [["todos-cmp"]],
    factory: function TodosComponent_Factory(t) {
      return new (t || TodosComponent)(directiveInject(Store));
    }, consts: 2, vars: 3,
    template: function TodosComponent_Template(rf, ctx) {
      if (rf & 1) { // create dom
        pipe(1, "async");
        template(0, TodosComponent_div_Template_0, 2, 1, null);
      } if (rf & 2) { // update dom
        elementProperty(0, "ngForOf", bind(pipeBind1(1, 1, ctx.todos)));
      }
    }, encapsulation: 2
  });
  return TodosComponent;
})();
```







# 📦📦📦📦 - 📦📦📦📦

Talk is cheap. Show me the code. — Linus Torvalds

## 1. 📦📦📦📦 Vue Cli

```
npm install -g @vue/cli
```

## 2. 📦📦📦📦

```
vue create fintech-financeRecon-portal
```

- 📦📦📦📦📦📦nodejs📦📦npm📦📦📦📦📦📦📦npm📦📦📦📦📦📦📦📦📦📦

# 📁📁📁📁 - 📁📁📁📁

convention over configuration 📁📁📁📁

## ■ 📁📁📁📁

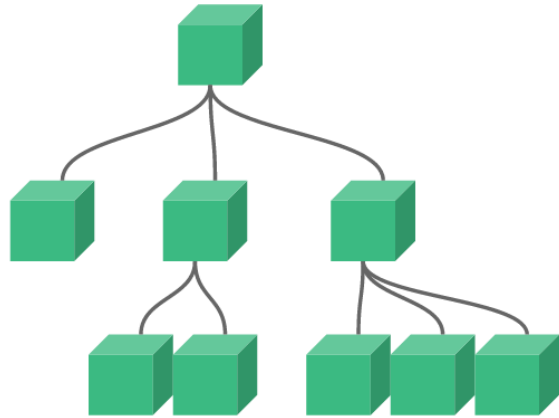
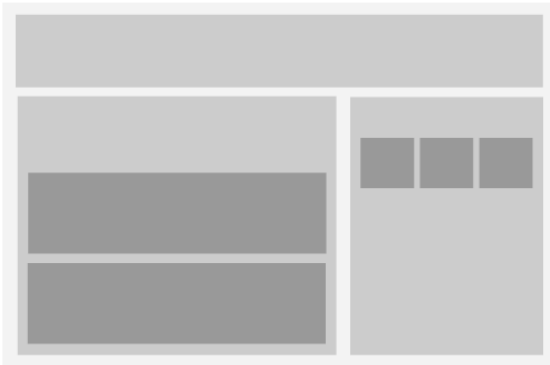
```
├─ README.md      // 📄 📄 📄
├─ package.json   // 📄 📄 📄 📄
├─ src
│   ├─ App.vue    // 📄 📄 📄
│   ├─ api        // api 📄
│   ├─ assets     // 📄 📄 📄
│   ├─ components // 📄 📄 📄 📄
│   │   └─ Charts
│   ├─ config     // 📄 📄 📄 📄
│   │   └─ defaultSettings.js
│   ├─ main.js    // js 📄
│   ├─ router.js  // 📄 📄 📄
│   ├─ store      // 📄 📄 📄
│   ├─ utils      // 📄
│   │   └─ axios.js
│   │   └─ utils.js
│   └─ views      // 📄
│       └─ 404.vue
└─ .env.dev       // 📄 📄 📄 📄
```



# UI - UX

UI/UX Design Process

- UI/UX Design



- UI/UX Design for fintech applications

+---+-----+	
	hbTablePage
+---+-----+	
M	search-bar
E	action-bar
N	data-table
U	
+---+-----+	

UI/UX Design Process

UI/UX Design Process Vue.js

# Table - 1

Table -

## pros

```
/* TablePage.vue */
props: {
  dataTable: {
    columns: [],
    rowKey: "",
  },
  dataListFun: {
    type: Function,
  },
},
```

## 

```
/* TablePage.vue */
loadData() {
  this.dataListFun(
    this.pagination.pageNum,
    this.pagination.pageSize,
    this.searchCondition
  ).then((res) => {
    if (res.code == RESULT_CODE.SUCCESS) {
      this.data = res.data.rows;
    }
  });
},
```

## 

- prop prop ; prop

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[illegible]





```
/**
 * TablePage.vue
 * 
 * 
 * this.$emit('myEvent')
 */
onSelectChange(selectedRowKeys, selectedRows) {
  this.$emit('ON_SELECTED_DATA', this.selectedData);
}
```

■ ☐ ☐ ☐ ☐ ☐

```
/* Page.vue */  
  
<template>  
  <div>  
    <hbTablePage  
      @ON_SELECTED_DATA="onSelectedData"  
    >  
  </hbTablePage>  
</div>  
</template>
```

□ □ □ □

- `prop` “`propName`” 属性名を指定する;
- `update:myPropName` 属性名を指定する



# Table - 3

Table component with slots for search bar and action bar

## Table component - Slots

### Table component slots

```
/* TablePage.vue */
<div v-if="$slots.searchBar">
  <slot name="searchBar"></slot>
  <a-divider dashed style="margin: 12px 0px" />
</div>
<div v-if="$slots.actionBar">
  <slot name="actionBar"></slot>
</div>
```

### Table component

```
/* Page.vue */
<template>
  <div>
    <hbTablePage>
      <template v-slot:searchBar>
        <hbTableSearchBar />
      </template>
      <template v-slot:actionBar>
        <hbTableActionBar />
      </template>
    </hbTablePage>
  </div>
</template>
```

# 路由 - 路由

路由配置

## 路由

```
/* router.js
* 路由配置 */
{
  path: '/userLogin',
  name: 'userLogin',
  component: resolve => require(['@/views/user/Login'],
    resolve),
}
```

```
/* router.js
* 路由配置 */
{
  path: '/userLogin',
  name: 'userLogin',
  component: =>import(
    /* webpackChunkName: "userLogin" */
    '../views/userLogin.vue')
}
```

## 路由

```
/* babel-plugin-component
* .babelrc */
{
  "presets": [["es2015", { "modules": false }]],
  "plugins": [
    "component",
    {"libraryName": "ant-design-vue",
     "styleLibraryName": "theme-chalk"}]
  ]
}
```

```
/* main.js or page.vue */
import Vue from 'vue';
import { Button, message } from 'ant-design-vue';

Vue.use(Button);
Vue.prototype.$message = message;
```

# webpack - 1

webpack 配置

## ■ 配置

```
/* image-webpack-loader
 * vue.config.js */
{
  test: /\.?(png|jpe?g|gif|svg)(\?.*)?$/,
  use: [{
    loader: 'url-loader',
    options: {
      limit: 10000,
      name: utils.assetsPath('img/[name].[hash:7].[ext]')
    }
  }, {
    loader: 'image-webpack-loader',
    options: {
      bypassOnDebug: true,
    }
  }]
}
```

## ■ 配置

```
/* CommonsChunkPlugin
 * vue.config.js
 * package.json 配置 vendor.js 文件 */
new webpack.optimize.CommonsChunkPlugin({
  name: 'vendor',
  minChunks: function(module, count) {
    return (
      module.resource &&
      /\.js$/.test(module.resource) &&
      module.resource.indexOf(
        path.join(__dirname, '../node_modules')
      ) === 0
    );
  }
}),
/* 配置 */
new webpack.optimize.CommonsChunkPlugin({
  name: 'manifest',
  chunks: ['vendor']
})
```

# webpack - 2

webpack 配置

## ■ ES6 转 ES5 配置

```
/* babel-plugin-transform-runtime
* .babelrc */
"plugins": [
  "transform-runtime"
]
```

## ■ BABEL 转 ES6 转 ES5 配置

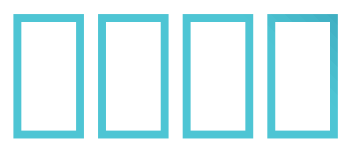
## ■ 转 ES6 转 ES5 配置

## ■ gzip 配置

```
/* compression-webpack-plugin@5.0.1
* vue.config.js
* 配置 .gz 文件 */
const CompressionPlugin = require("compression-webpack-plugin")
configureWebpack: {
  plugins: [
    new CompressionPlugin({
      filename: "[path].gz",
      algorithm: "gzip",
      test: /\.js$|\.css$|\.html$/,
      threshold: 10240, // 文件大于 10240 字节才会被压缩
      minRatio: 0.8,
      deleteOriginalAssets: false
    })
  ]
}
```

```
/* nginx.conf
* nginx 配置 gzip */
gzip on; # 配置 gzip
...
```





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- □□□□:

1. □□vue cli□□□□□□□□□□

2. □□□□□□□□□□□□□□□□

3. □□□□□□□□□□□□□□□□□□□□;

□□VueJs□□□□□□□□□ <https://vuejs.org/>.

# Where to Go From Here?

Flutter

Flutter

Flutter

Flutter

Flutter

Flutter

Flutter

Flutter

Flutter

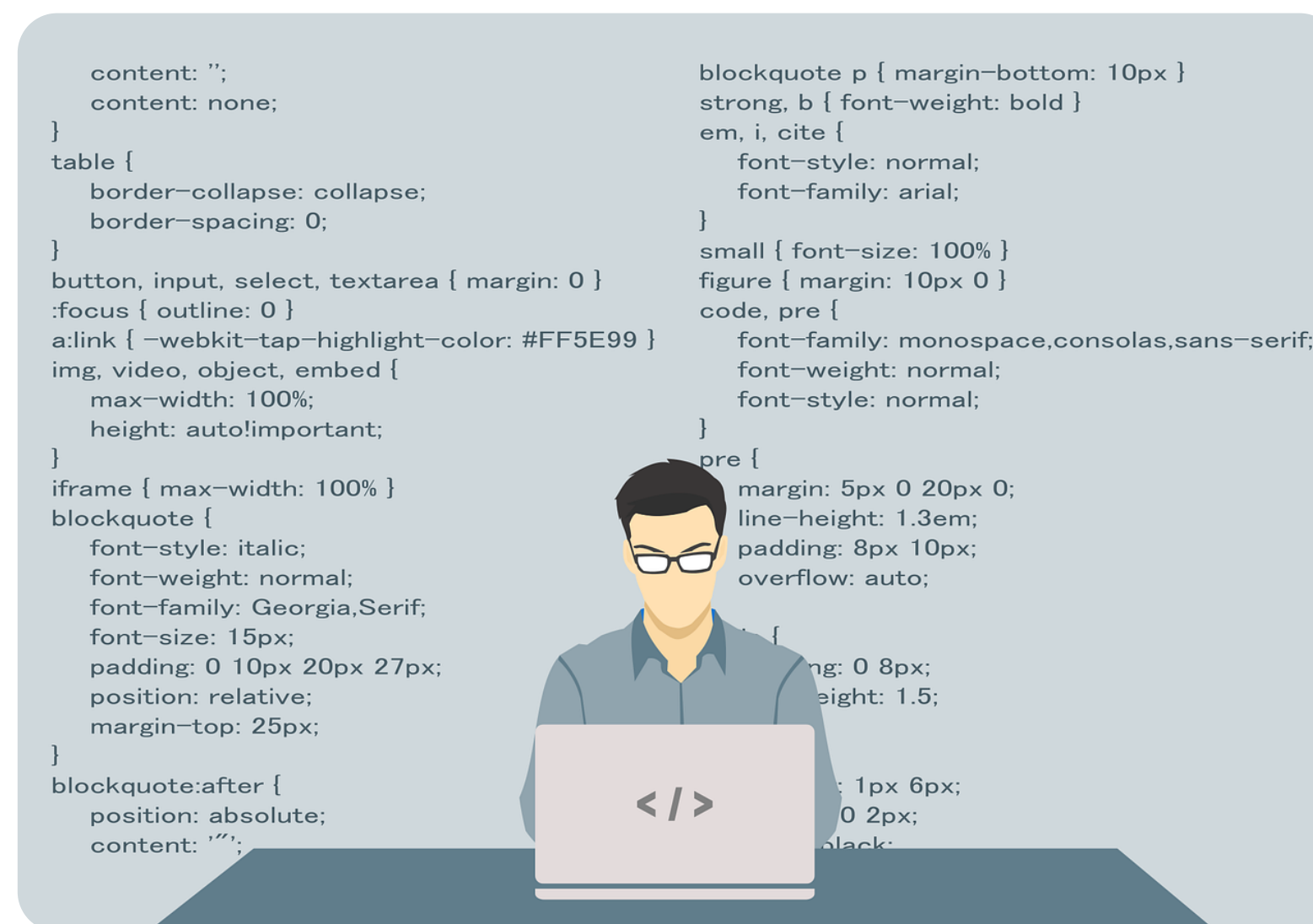
.....

# 前端技术栈

- 基础库 (jQuery, ES5, ES6)
- 框架 (reactjs, vuejs, angularjs) / jquery
- SPA (Single Page Application)



- `00000000vuejsweb`;
- `vuejs000000000000`



THANK YOU !

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# One More Thing

□□□□□□□□□□<https://sli.dev>