# REACT CODE GENERATOR

## FROM TREE

Open Source SW Project Team 1
Hercules Health Gym

# CONTENTS

Overview

Necessity

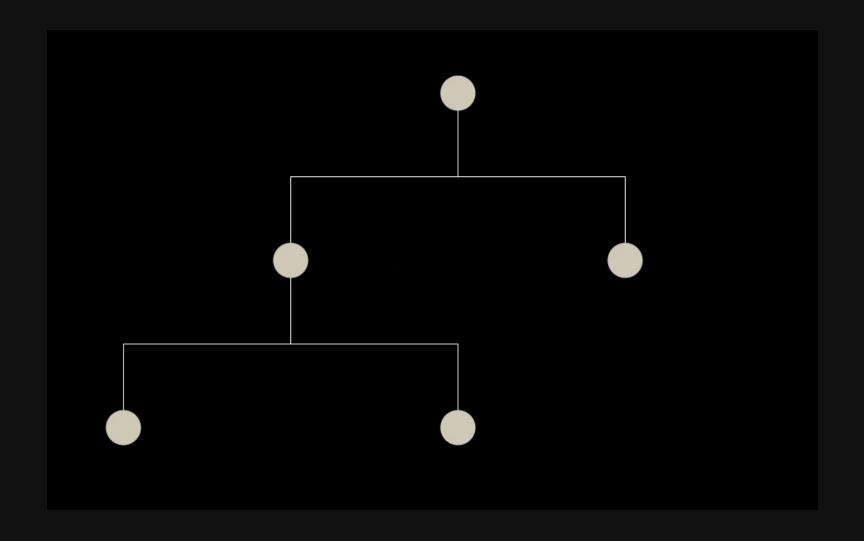
Differentiation

Development Plan

Open Source SW for Reference or Use

# OVERVIEW

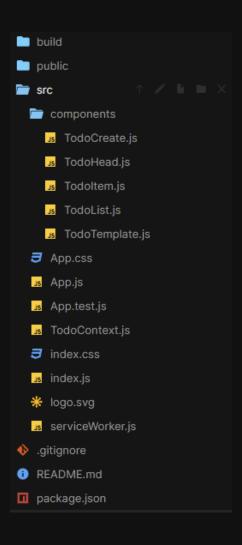
# FROM TREE



### TO CODE

```
import TodoTemplate from './components/TodoTemplate';
    import TodoHead from './components/TodoHead';
    import TodoList from './components/TodoList';
    1mport TodoCreate from './components/TodoCreate';
    import { TodoProvider } from './TodoContext';
10 ☐ function App() {
      return (
11
12 ⊟
        <TodoProvider>
         <TodoTemplate>
13 ⊡
           <TodoHead />
15
           <TodoList />
            <TodoCreate />
17
          </TodoTemplate>
        </TodoProv1der>
      );
21
    export default App;
```

# TO PROJECT DIRECTORY STRUCTURE



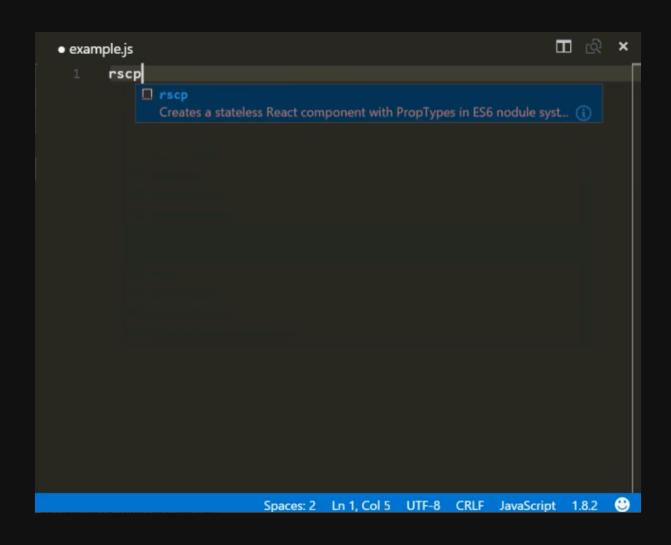
#### WITH EMPTY COMPONENT

# NECESSITY

```
<Import Statements>
<Components which returns jsx>
<Export Statements>
```

# LOTS OF REPEATED WORK

## LOTS OF CODE SNIPPETS



### LOTS OF CODE SNIPPETS

```
Ⅲ 🖟 ×
• example.js
      import React, {PropTypes} from 'react';
      const componentName = props => {
        return (
        );
      };
      componentName.propTypes = {
      };
      export default componentName;
        Spaces: 2 3 selections (39 characters selected) UTF-8 CRLF JavaScript 1.8.2
```

# WHAT IF?

# WHAT IF?

## THERE'S LOTS OF COMPONENTS

## WHAT IF?

#### THERE'S LOTS OF COMPONENTS

THAT DEPENDS ON EACH OTHER?

# SIMPLIFY

# THOSE PROCESSES

WITH OUR SW

# SIMPLIFY

# THOSE PROCESSES

Start to code important logic

# SIMPLIFY

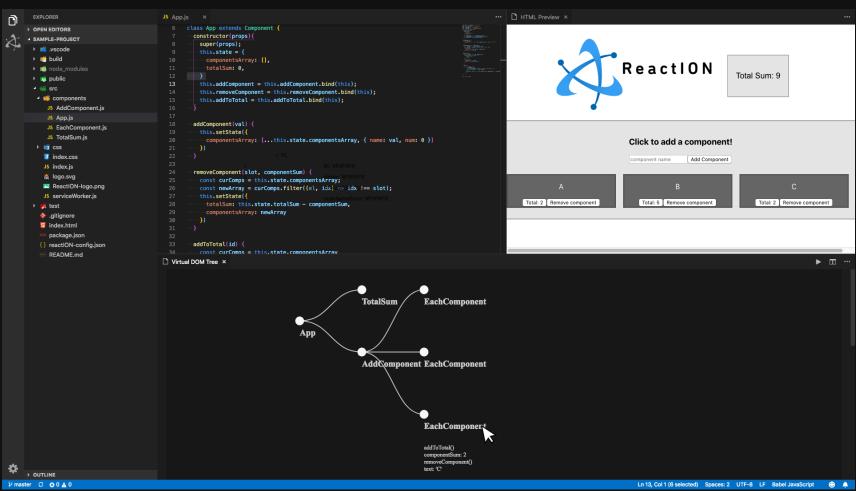
# THOSE PROCESSES

Start to code important logic from your structure right away!

NONE OF OPEN SOURCE TOOL FOR THIS

ONLY FOR OPPOSING ACTION

## ONLY FOR OPPOSING ACTION



ReactION-js/ReactION

VS NO-CODE TOOLS

**NO-CODE TOOLS** 

For **Non**-developers

**OUR SW** 

For Developers

#### **OUR SW**

For Developers by building scaffolds (e.g. Project structure, basic code snippets)

### LANGUAGE

TypeScript / React

### COLLABORATION

Git

### **COLLABORATION**

GitHub

### COLLABORATION

Git Flow

### **COLLABORATION**

Agile

### **COLLABORATION**

Agile Khanban

#### MINIMUM VIABLE PRODUCT

#### **DEVELOPMENT SCOPE**

**VSCode Extension** 

#### MINIMUM VIABLE PRODUCT

#### **DEVELOPMENT SCOPE**

Focus on Basic Feature

#### MINIMUM VIABLE PRODUCT

#### **DEVELOPMENT SCOPE**

Just From Tree To Code

#### MINIMUM VIABLE PRODUCT

#### **DEVELOPMENT SCOPE**

Just From Tree To Code
Only support building basic component structure

#### **DISTRIBUTING ROLES**

#### DISTRIBUTING ROLES

PROJECT MANAGEMENT

임동영

#### DISTRIBUTING ROLES

**UI DEVELOPMENT** 

정용준 / 조원희

#### DISTRIBUTING ROLES

LOGIC DEVELOPMENT

문법식 / 박준수

# OPEN SOURCE SW FOR REFERENCE OR USE

#### FOR REFERENCE OR USE

< REACT >

**UI IMPLEMENTATION** 

https://github.com/facebook/react

#### FOR REFERENCE OR USE

< REACT D3 TREE >

IMPLEMENT TREE USING REACT

https://github.com/bkrem/react-d3-tree

#### FOR REFERENCE OR USE

< GENERATE REACT CODE >

REFERENCE CODE GENERATING MODULE

https://github.com/JPStrydom/Generate-React-Code

#### FOR REFERENCE OR USE

< REACTION >

#### REFERENCE THE IDEA OF PROJECT

which analyze react project and generate tree

https://github.com/ReactION-js/ReactION

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# COMING SOON ...

# Q & A