Component Layout Handout

import React, { Component } from 'react'

import { string, object } from 'prop-types'

import SubComponent from './SubComponent'

import './styles/ProfileContainer.css'

export default class MyComponent extends Component {

constructor(){

super();

this.state = {

expanded: false

}

}

// Declare propTypes as static properties as early as possible

static propTypes = {

model: object.isRequired,

title: string

}

// Default props below propTypes

static defaultProps = {

model: {

id: 0

},

title: 'Your Name'

}

// Use fat arrow functions for methods

handleSubmit = (e) => {

e.preventDefault()

this.props.model.save()

}

handleNameChange = (e) => {

this.props.model.name = e.target.value

}

handleExpand = (e) => {

e.preventDefault()

this.setState(prevState => ({ expanded: !prevState.expanded }))

}

render() {

// Destructure props for readability

const {

model,

title

} = this.props

return (

<SubComponent

onSubmit={this.handleSubmit}

expanded={this.state.expanded}

onExpand={this.handleExpand}>

// Newline props if there are more than two

<div>

<h1>{title}</h1>

<input

type="text"

value={model.name}

// onChange={(e) => { model.name = e.target.value }}

// Avoid creating new closures in the render method- use methods like below

onChange={this.handleNameChange}

placeholder="Your Name"/>

</div>

</SubComponent>

)

}

}