**บทที่ 6 การแสดงข้อมูลในคอมโปเน้นท์**

**แสดงหรือซ่อนเนื้อหาด้วย Ternary Operator**

import React, { Component } from 'react';

import 'bootstrap/dist/css/bootstrap.min.css';

class App extends Component {

state = {

data: false

}

toggleHandler = () => {

const newData = !this.state.data;

this.setState({

data: newData

});

}

render() {

return (

<div className="col-4 mx-auto mt-5">

<div className="card">

<div className="card-header text-right">

<button

type="button"

className="btn btn-success btn-sm"

onClick={this.toggleHandler}>

{this.state.data?'ซ่อน':'แสดง'}

</button>

</div>

{

this.state.data

? <div className="card-body p-5 text-center">

<div>Hello World!</div>

</div>

: null

}

</div>

</div>

);

}

}

export default App;

**เลือกแสดงเนื้อหาโดยใช้ if else**

import React, { Component } from 'react';

import 'bootstrap/dist/css/bootstrap.min.css';

class App extends Component {

state = {

data: false

}

toggleHandler = () => {

const newData = !this.state.data;

this.setState({

data: newData

});

}

render() {

let myJSX = null;

if(this.state.data === true){

myJSX = (

<div className="card-body p-5 text-center">

<div>Hello World!</div>

</div>

);

}

return (

<div className="col-4 mx-auto mt-5">

<div className="card">

<div className="card-header text-right">

<button

type="button"

className="btn btn-success btn-sm"

onClick={this.toggleHandler}>

{this.state.data?'ซ่อน':'แสดง'}

</button>

</div>

{myJSX}

</div>

</div>

);

}

}

export default App;

**แปลงออบเจ็กต์อาร์เรย์ในเป็น JSX**

import React from 'react';

const StudentLists = () => {

const data = [

{id:1, name:'Jeerawuth'},

{id:2, name:'Worrawan'},

{id:3, name:'Thammasak'},

{id:4, name:'Sombat'},

{id:5, name:'Namcha'},

{id:6, name:'Somboon'}

]

const lists = data.map((item) => {

return (

<div key={item.id} className="col-lg-3 col-sm-4 mt-2">

<div className="card">

<div className="card-body">

<dl className="row">

<dt className="col-lg-6 col-sm-5 col-6">id: </dt>

<dd className="col-lg-6 col-sm-7 col-6">{item.id}</dd>

<dt className="col-lg-6 col-sm-5 col-6">name: </dt>

<dd className="col-lg-6 col-sm-7 col-6">{item.name}</dd>

</dl>

</div>

</div>

</div>

)

})

return (

<div className="row">

{lists}

</div>

)

}

export default StudentLists;

import React, { Component } from 'react';

import 'bootstrap/dist/css/bootstrap.min.css';

import StudentLists from './Student-lists';

class App extends Component {

render() {

return (

<div className="container">

<StudentLists />

</div>

);

}

}

export default App;

Note

import React from 'react';

const StudentLists = () => {

const data = [

{id:1, name:'Jeerawuth'},

{id:2, name:'Worrawan'},

{id:3, name:'Thammasak'},

{id:4, name:'Sombat'},

{id:5, name:'Namcha'},

{id:6, name:'Somboon'}

]

return (

<div className="row">

{data.map((item) => {

return (

<div key={item.id} className="col-lg-3 col-sm-4 mt-2">

<div className="card">

<div className="card-body">

<dl className="row">

<dt className="col-6">id: </dt>

<dd className="col-6">{item.id}</dd>

<dt className="col-6">name: </dt>

<dd className="col-6">{item.name}</dd>

</dl>

</div>

</div>

</div>

)

})}

</div>

)

}

export default StudentLists;

**การกำหนด key ให้กับ Visual DOM**

import React from 'react';

const StudentLists = () => {

const data = [

{id:1, name:'Jeerawuth'},

{id:2, name:'Worrawan'},

{id:3, name:'Thammasak'},

{id:4, name:'Sombat'},

{id:5, name:'Namcha'},

{id:6, name:'Somboon'}

]

return (

<div className="row">

{data.map((item) => {

return (

<div className="col-lg-3 col-sm-4 mt-2">

<div className="card">

<div className="card-body">

<dl className="row">

<dt className="col-6">id: </dt>

<dd className="col-6">{item.id}</dd>

<dt className="col-6">name: </dt>

<dd className="col-6">{item.name}</dd>

</dl>

</div>

</div>

</div>

)

})}

</div>

)

}

export default StudentLists;

**ลบบางรายการใน List ด้วยการคลิก**

**ขั้นตอนที่ 1 สร้าง Student คอมโปเน้นท์ ขึ้นมาใหม่**

import React from 'react';

const Student = (props) => {

const onDeleteStudent = () => {

props.deleteStudent();

}

return (

<div className="card">

<div className="card-header text-center">

<button

onClick={onDeleteStudent}

className="btn btn-danger btn-sm"

>delete</button>

</div>

<div className="card-body">

<dl className="row">

<dt className="col-6">id: </dt>

<dd className="col-6">{props.data.id}</dd>

<dt className="col-6">name: </dt>

<dd className="col-6">{props.data.name}</dd>

</dl>

</div>

</div>

)

}

export default Student;

**ขั้นตอนที่ 2 แก้ไข StudentLists คอมโปเน้นท์**

import React , { useState } from 'react';

import Student from './Student';

const StudentLists = () => {

const [studentsState, setStudentsState] = useState(

{

students : [

{id:1, name:'Jeerawuth'},

{id:2, name:'Worrawan'},

{id:3, name:'Thammasak'},

{id:4, name:'Sombat'},

{id:5, name:'Namcha'},

{id:6, name:'Somboon'}

]

}

)

const deleteItemHandler = (deleteIndex) => {

const data = [...studentsState.students];

data.splice(deleteIndex, 1);

setStudentsState({

students: data

});

}

return (

<div className="row">

{studentsState.students.map((item, index) => {

return (

<div key={item.id} className="col-lg-3 col-sm-4 mt-2">

<Student

data={item}

deleteStudent={deleteItemHandler.bind(this, index)}

/>

</div>

)

})}

</div>

)

}

export default StudentLists;

**ขั้นตอนที่ 3 แสดงรายชื่อนักเรียนทั้งหมดในแอพพลิเคชัน**

import React, { Component } from 'react';

import 'bootstrap/dist/css/bootstrap.min.css';

import StudentLists from './Student-lists';

class App extends Component {

render() {

return (

<div className="container">

<StudentLists />

</div>

);

}

}

export default App;

**ตัวอย่างการลบเอลิเมนต์จาก key**

import React , { useState } from 'react';

import Student from './Student';

const StudentLists = () => {

const [studentsState, setStudentsState] = useState(

{

students : [

{id:1, name:'Jeerawuth'},

{id:2, name:'Worrawan'},

{id:3, name:'Thammasak'},

{id:4, name:'Sombat'},

{id:5, name:'Namcha'},

{id:6, name:'Somboon'}

]

}

)

const deleteItemHandler = (deleteKey) => {

const data = [...studentsState.students];

const deleteIndex = data.findIndex((item) => {

return item.id === deleteKey;

});

data.splice(deleteIndex, 1);

setStudentsState({

students: data

});

}

return (

<div className="row">

{studentsState.students.map((item) => {

return (

<div key={item.id} className="col-lg-3 col-sm-4 mt-2">

<Student

data={item}

deleteStudent={deleteItemHandler.bind(this, item.id)}

/>

</div>

)

})}

</div>

)

}

export default StudentLists;

**ตัวอย่างการแก้ไขเอลิเมนต์**

**ขั้นตอนที่ 1** **แก้ไขโค้ดที่ไฟล์ Student-lists.js**

import React , { useState } from 'react';

import Student from './Student';

const StudentLists = () => {

const [studentsState, setStudentsState] = useState(

{

students : [

{id:1, name:'Jeerawuth', editingStatus: false},

{id:2, name:'Worrawan', editingStatus: false},

{id:3, name:'Thammasak', editingStatus: false},

{id:4, name:'Sombat', editingStatus: false},

{id:5, name:'Namcha', editingStatus: false},

{id:6, name:'Somboon', editingStatus: false}

]

}

)

const deleteItemHandler = (deleteKey) => {

const data = [...studentsState.students];

const deleteIndex = data.findIndex((item) => {

return item.id === deleteKey;

});

data.splice(deleteIndex, 1);

setStudentsState({

students: data

});

}

const editItemHandler = (editKey, data) => {

const students = [...studentsState.students];

const editingIndex = students.findIndex((item) => {

return item.id === editKey;

});

students[editingIndex] = data;

setStudentsState({

students: students

});

}

return (

<div className="row">

{studentsState.students.map((item) => {

return (

<div key={item.id} className="col-lg-3 col-sm-4 mt-2">

<Student

data={item}

deleteStudent={deleteItemHandler.bind(this, item.id)}

editStudent={editItemHandler.bind(this)}

/>

</div>

)

})}

</div>

)

}

export default StudentLists;

Note

const editItemHandler = (editKey, data) => {

const students = [...studentsState.students];

const editingIndex = students.findIndex((item) => {

return item.id === editKey;

});

students[editingIndex] = data;

setStudentsState({

students: students

});

}

**ขั้นตอนที่ 2** **แก้ไขไฟล์ Student.js**

import React from 'react';

const Student = (props) => {

const { data, deleteStudent, editStudent } = props;

const updatedNameInput = React.createRef();

const onDeleteStudent = () => {

deleteStudent();

}

const onEditStudent = () => {

const editData = {

id: data.id,

name: data.name,

editingStatus:!data.editingStatus

};

editStudent(data.id, editData);

}

const onConfirmEdit = () => {

const editData = {

id: data.id,

name: updatedNameInput.current.value,

editingStatus: false

};

editStudent(data.id, editData);

}

const onCancelEdit = () => {

const editData = {id: data.id,name: data.name, editingStatus: false};

editStudent(data.id, editData);

}

const editForm = (

<div className="row">

<div className="input-group mb-3">

<input

type="text"

name="updatedName"

className="form-control col-6"

defaultValue={data.name}

ref={updatedNameInput}

/>

<button

onClick={onCancelEdit.bind()}

className="btn btn-outline-primary btn-sm ml-1 col-3"

>Cancel</button>

<button

onClick={onConfirmEdit.bind()}

className="btn btn-primary btn-sm ml-1 col-3"

>OK</button>

</div>

</div>

)

return (

<div className="card">

<div className="card-header text-center">

<button

onClick={onEditStudent}

className="btn btn-outline-success btn-sm mr-1"

>edit</button>

<button

onClick={onDeleteStudent}

className="btn btn-outline-danger btn-sm ml-1"

>delete</button>

</div>

<div className="card-body">

<dl className="row">

<dt className="col-6">id: </dt>

<dd className="col-6">{props.data.id}</dd>

<dt className="col-6">name: </dt>

<dd className="col-6">{props.data.name}</dd>

</dl>

{

props.data.editingStatus ?

editForm:

null

}

</div>

</div>

)

}

export default Student;