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STEELEYE ASSIGNMENT

1. Explain what the simple  LIST component does?

Lists are used to display data in an ordered format and mainly used to display menus on websites. In React, Lists can be created in a similar way as we create lists in JavaScript.

Lists are continuous, vertical indexes text or images.

1. What problem/warnings are there with the code?

import React, { useState, useEffect, memo } from "react";

import PropTypes from "prop-types";

// Single List Item

const WrappedSingleListItem = ({ index, isSelected, onClickHandler, text }) => {

return (

<li

style={{ backgroundColor: isSelected ? "green" : "red" }}

onClick={onClickHandler(index)}

>

{text}

</li>

);

};

WrappedSingleListItem.propTypes = {

index: PropTypes.number,

isSelected: PropTypes.bool,

onClickHandler: PropTypes.func.isRequired,

text: PropTypes.string.isRequired,

};

const SingleListItem = memo(WrappedSingleListItem);

// List Component

const WrappedListComponent = ({ items }) => {

const [setSelectedIndex, selectedIndex] = useState();

useEffect(() => {

setSelectedIndex(null);

}, [items]);

const handleClick = (index) => {

setSelectedIndex(index);

};

return (

<ul style={{ textAlign: "left" }}>

{items.map((item, index) => (

<SingleListItem

onClickHandler={() => handleClick(index)}

text={item.text}

index={index}

isSelected={selectedIndex}

/>

))}

</ul>

);

};

WrappedListComponent.propTypes = {

items: PropTypes.array(

PropTypes.shapeOf({

text: PropTypes.string.isRequired,

})

),

};

WrappedListComponent.defaultProps = {

items: null,

};

const List = memo(WrappedListComponent);

export default List;