Vidyavardhini's College of Engineering and Technology

Department of Artificial Intelligence & Data Science

AY: 2024-25

Class:	TE	Semester:	V
Course Code:		Course Name:	WC

Name of Student:	Sainath Khot
Roll No. :	20
Assignment No.:	3
Title of Assignment:	React Component
Date of Submission:	
Date of Correction:	

Evaluation

Performance Indicator	Max. Marks	Marks Obtained
Completeness	5	3
Demonstrated Knowledge	3	3
Legibility	2	1
Total	10	7

Performance Indicator	Exceed Expectations (EE)	Meet Expectations (ME)	Below Expectations (BE)
Completeness	5	3-4	1-2
Demonstrated Knowledge Legibility	3	2	1
Legibility	2	1	0

Checked by

Name of Faculty : Kshitija Gharat

Signature : Gharat

Date : 13/10/24

Q1) Create a react component where user can manage a list of receipt. Each recipe should have a title, list of ingredients & cooking instruction. Allow users to add new receips, edit exiting one & delete recipe. Display the ingredients & instruction when a recipe is selected from the list.

=)
```
import React, { useState } from 'react';
const [ recipe, set Recipe ] = useState ([]);
const [ selected Recipe Index, set selected Recipe Index]
        = useState (null);
const [ from, set form ] = useState ({ title : '',
        ingredients = '', instructions = '' });


const handle Change = (e) => set form ({... form,
    [e.target.name] : e.target.value });


const add or Update Recipe = () => {
    const updated Recipe = [... recipe];
    if (selected Recipe Index !== null) {
        updated Recipe [selected Recipe Index] = form;
    }
    else {
        updated Recipe. push (form);
    }
    set Recipe (updated Recipe);
    set Form ({ title : '', ingredients ; '', instruction '' })
    set selected Recipe Index (null);
```

```
}
    const delete Recipe (index) => {
        const updated Recipe = recipe.filter ((_, i)
            => i !== index);
        set Recipe (updated Recipe);
        set Selected Recipe Index (null);
    }

    const select Recipe = (index) => {
        set Selected Recipe Index (index);
        set form (recipe (index));
    }


    return (
        <div>
        <h1> Recipe Manager </h1>
        <input name = " title "
            placeholder = " Title"
            value = { form. title }
            onChange = { handle Change }
        />
        <input
            name = " ingredients "
            placeholder = " Ingredients "
            value = { handle Change }
        />
        <input
            name = " instruction "
```

```
placeholder = " Instruction "
value = { form . instructions }
on Change = { handle change }
/>
<button onClick = { add or Update Recipe } >
  { selected Recipe Index !== null ? 'Update' . 'Add }
        Recipe
  </button>


<ul>
{ recipe . map ((recipe , index) => (
  <li key = { index } >
  <span onClick = { () => select Recipe (index) }
     > { recipe . title } </span>
  ( button on Click = { () => delete Recipe (index) } >
      Delete </button>
  </li>
   ) }
<(ul)
```

Q
=>

Hooks   'Green' 'Yellow'

import React, { useState } from 'react';

const ColorSelector = () => {
    const [color, setcolor] = useState("");

    const handleClick = (color) => {
        set colve (color),
    };
    return (
        <div>
        { ['Red, 'Blue', 'Green', 'Yellow'], map(url) => {

        < button key = { clr } on Click {() => handle Click (clv)} >
        { clr }
        </button>
)}
        { colve & { <p> You have selected { color } </p>
        </div>
        );
    };

    export default Color Selector