

Vidyavardhini's College of Engineering and Technology Department of Artificial Intelligence & Data Science

AY: 2025-26

Class:	TE-AIDS	Semester:	又	14	Jal
Course Code:	CS C502	Course Name:	WC	1.7	

Name of Student:	Dinya Davane
Roll No. :	13
Assignment No.:	0.3
Title of Assignment:	React to develop frontend application
Date of Submission:	
Date of Correction:	

Evaluation

Performance Indicator	Max. Marks	Marks Obtained	
Completeness	5		
Demonstrated Knowledge	3		
Legibility	2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Total	10	8 1 10	

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

Checked by

Name of Faculty

Signature

Date

WC dssignment -3 Implement a React component that manages a contact list. Users should be able to add contacts with field for name, shone number, and email. Include a search bar that filters the list of contacts based on the input. Brovide a "Remove button next to each contact for deletion Ans import React, { Usestate } from "react"; export default function (ontactlist () ¿ const [contacts, setContacts] = useState([]); const [search, setSearch] = useState (" "); const [form, setform] = useState ({ name: ", phone: " email;""}); const handleChange = (e) => {

setForm (f...form, [e, target.name]: e, target, value } const add (ontact = (e) =) { e . prevent Default (); if (I form, name Il I form phone Il I form email) return; set Contacts ([... contacts, {... forms, id: Date_now() 3]) Set Form ({ name: " ", phone: " ", email: " "}); const remove Contact = (id) = { set (ontacts (contacts, filter ((c) > c.id ! = = id));

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```
const filtered (ontacts = contacts , filter (
       c. name . to Lower Case (), includes (search . to Lower Case ())
      c. phone includes (search) !
      (. email. to Lower (ase (). includes (search, tolower (ase ())
     < div class Name = "p-6 max-w-19 mx-auto">
     < h1 className = "text-2xl font-bold mb-4">
     Contact List </h1>
     { /* Search Bar * | }
    type="text"
    placeholder = " Search Contact .... "
    value = { search } search }
   on Change = { (e) => set Search (e. target. value)}
    className="w-full border p-2 mb-4 rounded" 1>
    {/* Add Contact Form */}
   < form on Submit = fadd Contact ? class Name = space -y-2 mb-65
   < input type = "text" name = "name" placeholder = "Name"</pre>
  value = form. name ? on Change = f handle Change }
class Name = "w-full border p-2 rounded" />
  < input type = "text" name = "Phone" placeholder = "Phone"
  value=form. Phone & on Change = finandle Change}
 class Name = "w-full border p-2 rounded" />
< input type = "email" name = "email" placeholder = "Email"
value = {form email } on Change = {handle change }
class Name = "w-full border p-2 rounded"/>
```

FOR EDUCATIONAL USE

```
-white px-4 py-2 rounded">
Add contact </button>
{ /* Contact List */3
& filtered (ontacts . map ((c) ⇒ (
<!i key = { c.id } class Name = "flex justify - between</pre>
items-center border p-2 rounded" >
 {c.name} 
fc.phone3
< c.emaile </p>
<button onclick = { () => remove (ontact (c.ta)}
class Name = "bg-red-500 text-white px-2 py-1 rounded
> Remove </button>
```

Q.2 latter namely buttone, the code of the latter of the l En clicking my of these buttone, the code displays metage that you have aleded that particular color Import React (use State & from "react"; export default function ColorSelector () { const [selected Color, set selected Color] = use State ("") <div className = "flex flex-colitems-center p-6 space-y-4</pre> className = "text-x1 font-bold" > Choose a Color < 1h1 > Chilton className = "px-4 py-2 bg-red-500 text-white ediv eloss Name = "flex space = x-4"> rounded-lg" onclick= (() => set selected (olor ("Red") }> Sutton class Name = "px-4 py-2 bg-blue-560 text-white Red </button> rounded-lg" on click = \$() => set Selected (dor ("Blue") } > Chutton class Name = px-4 py by -green - 500 text-while rounded - 19" on Click = {() => set Selected Color ("Green") }> - bulton class Name = "px-4 py-2 bg-yellow-500 text-black" rounded - 1g" on (lick = {1) => set Selected (olor (" Yellow") } > yellow < lbutton> < 1 di u > { selected (door && 6

/	you have selected < span className = "font-semibold"> f selectedColor }
	< Ispan >.
Pay'	4/P >
) }
	eldiv >
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	Hate lunctie
Q.3	white the code making use of wooks usestate function that displays the number of times button name "CLICK"
	that displays the number of times orthon men
	is dicked
Ans	La La Sur Chata & from "react";
	import React, fuseState & from "react"; export default function Click Coounter () {
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	const [count, set (ount] = use State (0);
	COPIST L'OUNTET SSE SS.
D	return (
24	<diy></diy>
14	(button on Click = {() => set (ount ocount +1)} GICF
1 out	> You clicked fount's times.
	Zldiv7
N. Xea);
et a	J. C.
1.4	
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