DAY 4

CLASSWORK

1. Using React and Material-Ul, create a form that consists of a TextField for entering aname, an Autocomplete input for selecting a favorite fruit from a list of options (Apple, Banana, Cherry, Durian, Elderberry), and a submit button. When the form is submitted, display a message that greets the student by name and states their favorite fruit. The message should read: 'Hello, [name]! Your favorite fruit is [fruit]."

CODE:

import React, { useState } from 'react';

import TextField from '@material-ui/core/TextField';

import Autocomplete from '@material-ui/lab/Autocomplete';

import Button from '@material-ui/core/Button';

const fruits = ['Apple', 'Banana', 'Cherry', 'Durian', 'Elderberry'];

const FruitSurvey = () => {

const [formData, setFormData] = useState({

name: '',

favoriteFruit: null,

});

const handleNameChange = (e) => {

setFormData({

...formData,

name: e.target.value,

});

};

const handleFruitChange = (\_, value) => {

setFormData({

...formData,

favoriteFruit: value,

});

};

const handleSubmit = (e) => {

e.preventDefault();

if (formData.name && formData.favoriteFruit) {

const message = `Hello, ${formData.name}! Your favorite fruit is ${formData.favoriteFruit}.`;

console.log(message);

// You can display the message in your UI or take further actions.

}

};

return (

<form onSubmit={handleSubmit}>

<div>

<TextField

label="Name"

data-testid="name"

value={formData.name}

onChange={handleNameChange}

/>

</div>

<div>

<Autocomplete

options={fruits}

getOptionLabel={(option) => option}

renderInput={(params) => (

<TextField

{...params}

label="Choose a fruit"

data-testid="autocomplete"

/>

)}

value={formData.favoriteFruit}

onChange={handleFruitChange}

/>

</div>

<div>

<Button type="submit" variant="contained" color="primary" data-testid="button">

Submit

</Button>

</div>

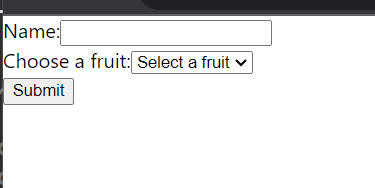
</form>

);

};

export default FruitSurvey;

OUTPUT:



1. Using Reactand Material UI, create a form that consists of a TextField for entering a name, an Autocomplete input for selecting a favorite fruit from a list of options

CODE:

import React, { useState } from 'react';

const fruits = ['Apple', 'Banana', 'Cherry', 'Durian', 'Elderberry'];

const FruitSurvey = () => {

const [formData, setFormData] = useState({

name: '',

favoriteFruit: '',

});

const handleNameChange = (e) => {

setFormData({

...formData,

name: e.target.value,

});

};

const handleFruitChange = (e) => {

setFormData({

...formData,

favoriteFruit: e.target.value,

});

};

const handleSubmit = (e) => {

e.preventDefault();

if (formData.name && formData.favoriteFruit) {

const message = `Hello, ${formData.name}! Your favorite fruit is ${formData.favoriteFruit}.`;

alert(message); // You can display the message in your UI or take further actions.

}

};

return (

<form onSubmit={handleSubmit}>

<div>

<label>

Name:

<input

type="text"

value={formData.name}

onChange={handleNameChange}

placeholder="Enter your name"

/>

</label>

</div>

<div>

<label>

Choose a fruit:

<select

value={formData.favoriteFruit}

onChange={handleFruitChange}

>

<option value="" disabled>Select a fruit</option>

{fruits.map((fruit) => (

<option key={fruit} value={fruit}>

{fruit}

</option>

))}

</select>

</label>

</div>

<div>

<button type="submit">

Submit

</button>

</div>

</form>

);

};

export default FruitSurvey;

OUTPUT:

