	Course Name: Advanced Web Technology	**EXPERIMENT NO. 8**	
	Course Code: 20CP314P **Faculty: Komal Singh**	**Branch: CSE**	**Semester: VI**
Submitted by: Patel Vraj ChetanKumar **Roll no: 21BCP362**			

Objective: Working with forms in React

Experiment 8:

a) Create a customer review form using react forms for the commercial furniture web-application with multiple fields such as name of the customer(text), the ratings for the customer experience out of 5(a drop-down menu), whether interested in buying again in future (check-box yes or no) and message from the customer(text-area) also ensure that the message should be less than 25 characters.

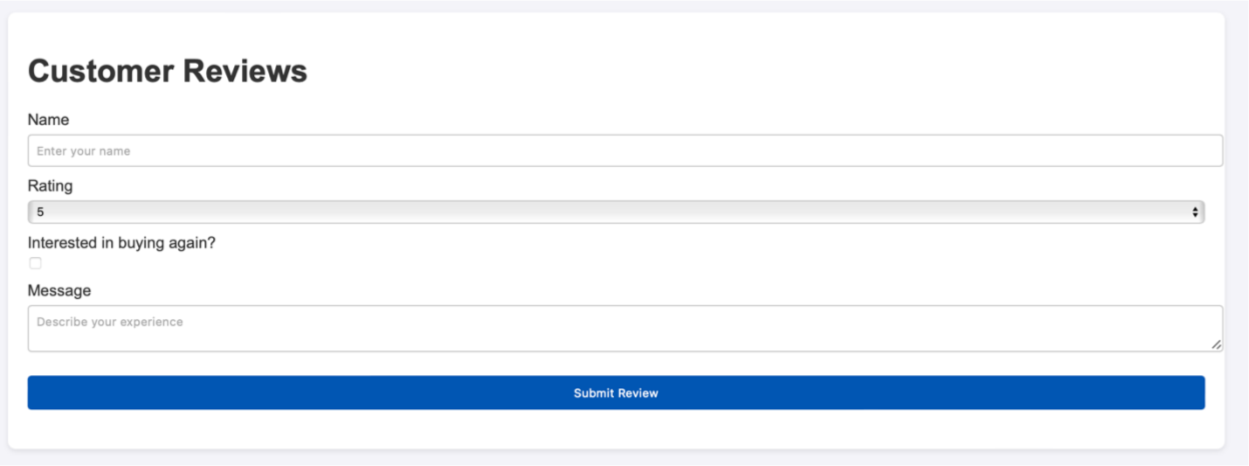
b) Create a react form having fields like name(text), division (drop down menu) and message(text-area) using the useRef hook.

Note: Please include snapshots of all commands, terminal sessions, localhost outputs, and log files in your documentation with necessary steps.

8a: Controlled Form with Dynamic Review Display

We'll create a form where customers can submit reviews and see their reviews displayed immediately below the form.

```
// src/pages/CustomerReview.js
import React, { useState } from 'react';
import './PageStyles.css';

function CustomerReview() {
  const [review, setReview] = useState({
    name: '',
    rating: '5',
    willBuyAgain: false,
    message: ''
  });

  const [reviews, setReviews] = useState([]);

  const handleInputChange = (event) => {
    const { name, value, type, checked } = event.target;
    setReview({
      ...review,
      [name]: type === 'checkbox' ? checked : value
    });
  };

  const handleSubmit = (event) => {
    event.preventDefault();
    // Add the review to the reviews array
    setReviews([...reviews, review]);
    // Reset the form
    setReview({
      name: '',
      rating: '5',
      willBuyAgain: false,
      message: ''
    });
  };

  return (
    <div className="container review-container">
      <h1>Customer Reviews</h1>
      <form className="review-form" onSubmit={handleSubmit}>
        <label htmlFor="name">Name</label>
        <input
          id="name"
          name="name"
          type="text"
          placeholder="Enter your name"
          value={review.name}
          onChange={handleInputChange}
        />
        <label htmlFor="rating">Rating</label>
        <select
          id="rating"
          name="rating"
          value={review.rating}
          onChange={handleInputChange}
        >
          <option value="5">5</option>
          <option value="4">4</option>
          <option value="3">3</option>
          <option value="2">2</option>
          <option value="1">1</option>
        </select>
        <label>
          Interested in buying again?
          <input
            name="willBuyAgain"
            type="checkbox"
            checked={review.willBuyAgain}
            onChange={handleInputChange}
          />
        </label>
        <label htmlFor="message">Message</label>
        <textarea
          id="message"
          name="message"
          placeholder="Describe your experience"
          maxLength="25"
          value={review.message}
          onChange={handleInputChange}
        />
        <button type="submit">Submit Review</button>
      </form>
      <div className="reviews-display">
        {reviews.map((item, index) => (
          <div key={index} className="review-card">
            <h3>{item.name} - Rating: {item.rating}</h3>
            <p>{item.message}</p>
            <p>{item.willBuyAgain ? 'Will buy again' : 'Not sure about buying again'}</p>
          </div>
        ))}
      </div>
    </div>
  );
}

export default CustomerReview;
```



Customer Reviews

Name

Enter your name

Rating

5

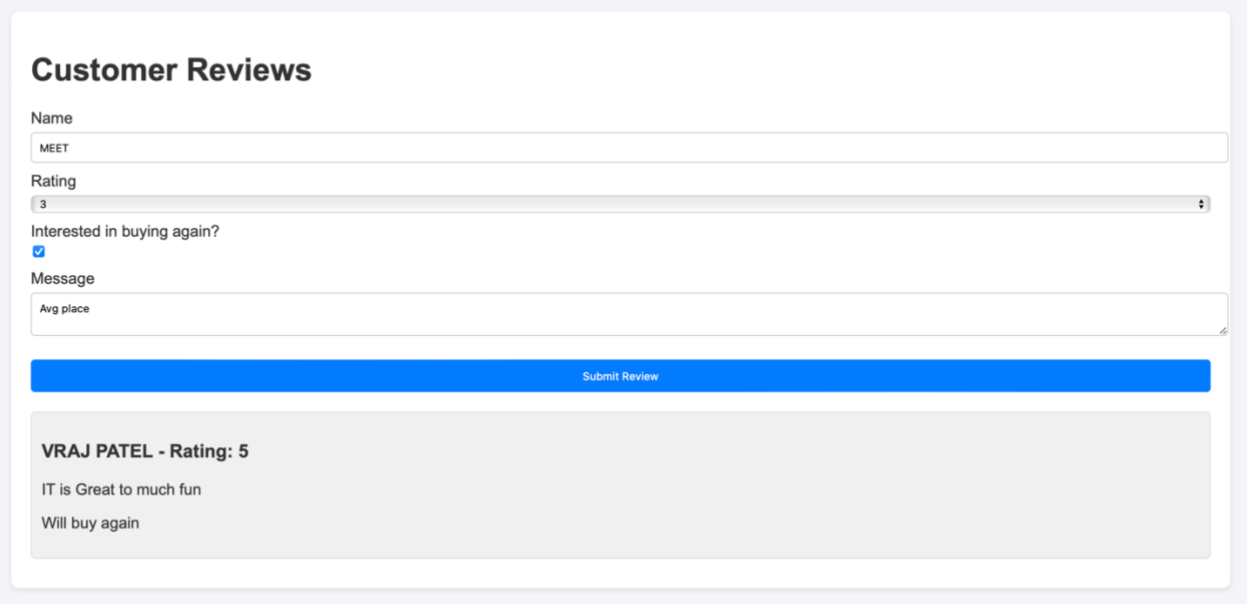
Interested in buying again?

□

Message

Describe your experience

Submit Review



Customer Reviews

Name

MEET

Rating

3

Interested in buying again?

☑

Message

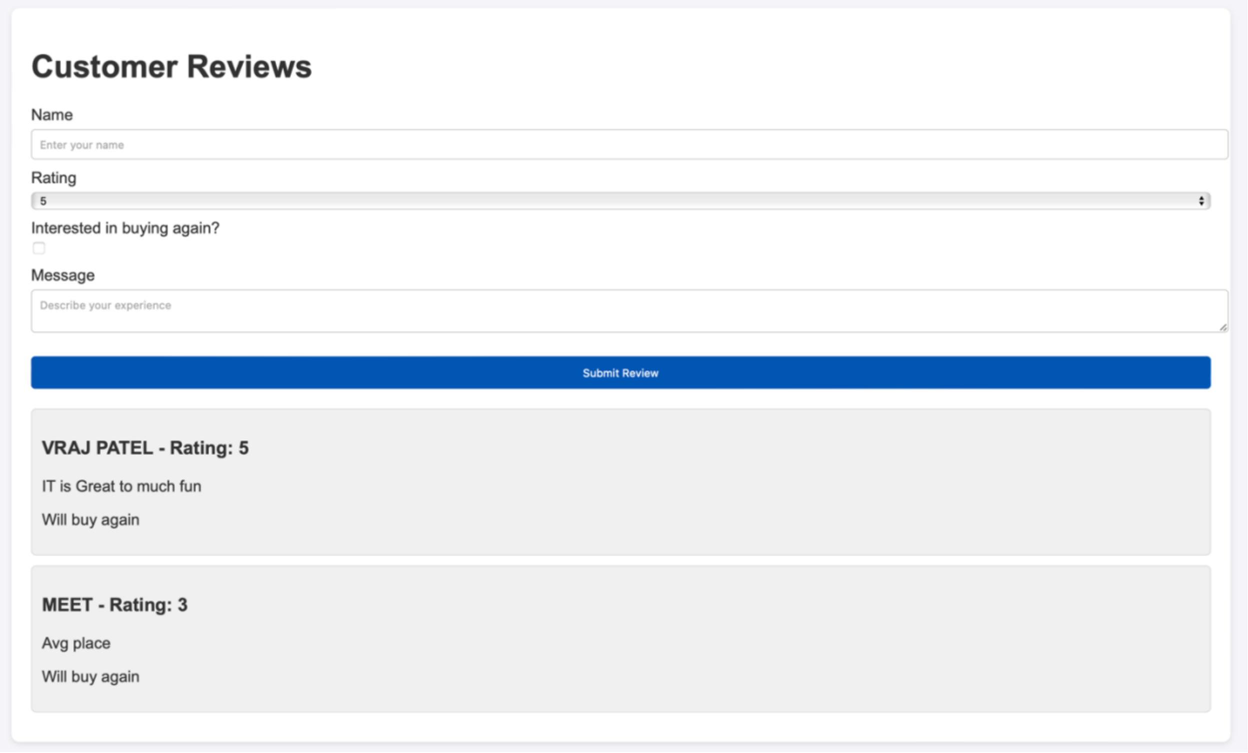
Avg place

VRAJ PATEL - Rating: 5

IT is Great to much fun

Will buy again

Dynamic Form



Customer Reviews

Name

Enter your name

Rating

5

Interested in buying again?

□

Message

Describe your experience

VRAJ PATEL - Rating: 5

IT is Great to much fun

Will buy again

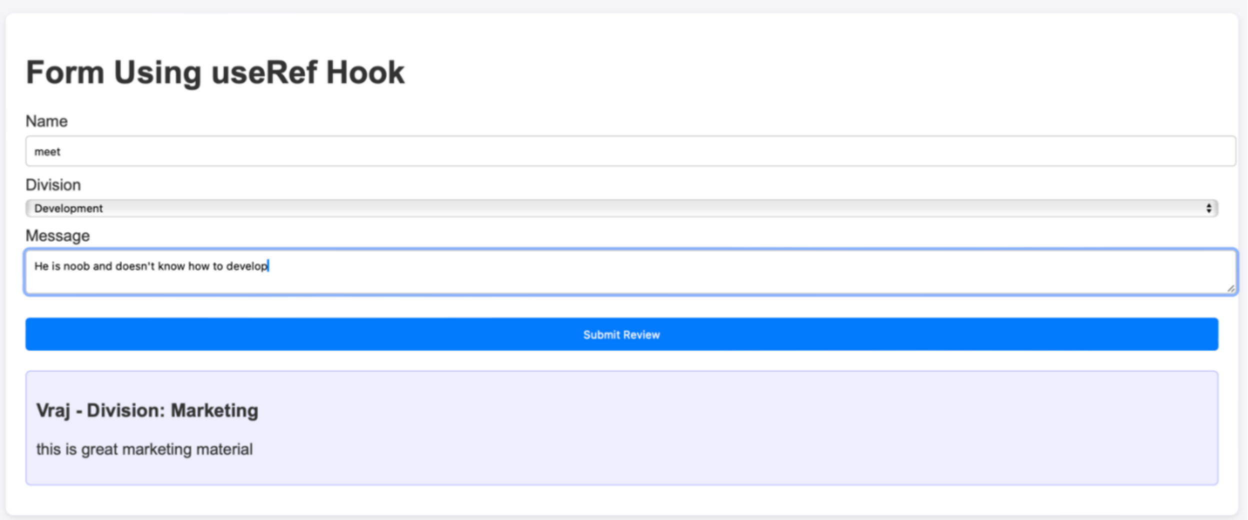
MEET - Rating: 3

Avg place

Will buy again

Experiment 8b: Uncontrolled Form Using useRef Hook

```
// src/pages/UncontrolledForm.js (You can integrate this into CustomerReview.js or as a separate
component)
import React, { useRef } from 'react';
import './PageStyles.css';

function UncontrolledForm() {
  const nameRef = useRef(null);
  const divisionRef = useRef(null);
  const messageRef = useRef(null);
  const reviewsRef = useRef([]);

  const handleSubmit = (event) => {
    event.preventDefault();
    const newReview = {
      name: nameRef.current.value,
      division: divisionRef.current.value,
      message: messageRef.current.value
    };

    // Update reviews display without state management
    reviewsRef.current.push(newReview);
    displayReviews();

    // Optionally, reset form fields here if needed
    event.target.reset();
  };

  const displayReviews = () => {
    const reviewsContainer = document.querySelector('.uncontrolled-reviews-display');
    reviewsContainer.innerHTML = ''; // Clear previous content
    reviewsRef.current.forEach(review => {
      const reviewDiv = document.createElement('div');
      reviewDiv.className = 'review-card';
      reviewDiv.innerHTML = `
        <h3>${review.name} - Division: ${review.division}</h3>
        <p>${review.message}</p>
      `;
      reviewsContainer.appendChild(reviewDiv);
    });
  };

  return (
    <div className="container review-container">
      <h1>Uncontrolled Customer Reviews</h1>
      <form className="review-form" onSubmit={handleSubmit}>
        <label htmlFor="un_name">Name</label>
        <input id="un_name" ref={nameRef} type="text" placeholder="Enter your name" />

        <label htmlFor="un_division">Division</label>
        <select id="un_division" ref={divisionRef}>
          <option value="Sales">Sales</option>
          <option value="Marketing">Marketing</option>
          <option value="Development">Development</option>
          <option value="Human Resources">Human Resources</option>
        </select>

        <label htmlFor="un_message">Message</label>
        <textarea id="un_message" ref={messageRef} placeholder="Your message" />

        <button type="submit">Submit Review</button>
      </form>
      <div className="uncontrolled-reviews-display"></div>
    </div>
  );
}

export default UncontrolledForm;
```



Form Using useRef Hook

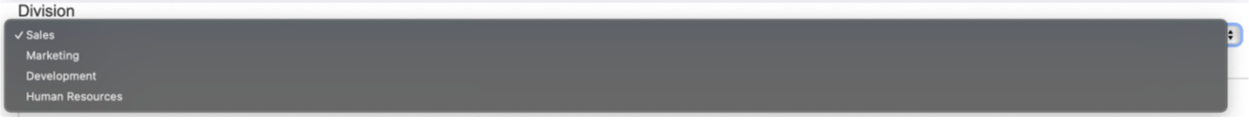
Name: meet

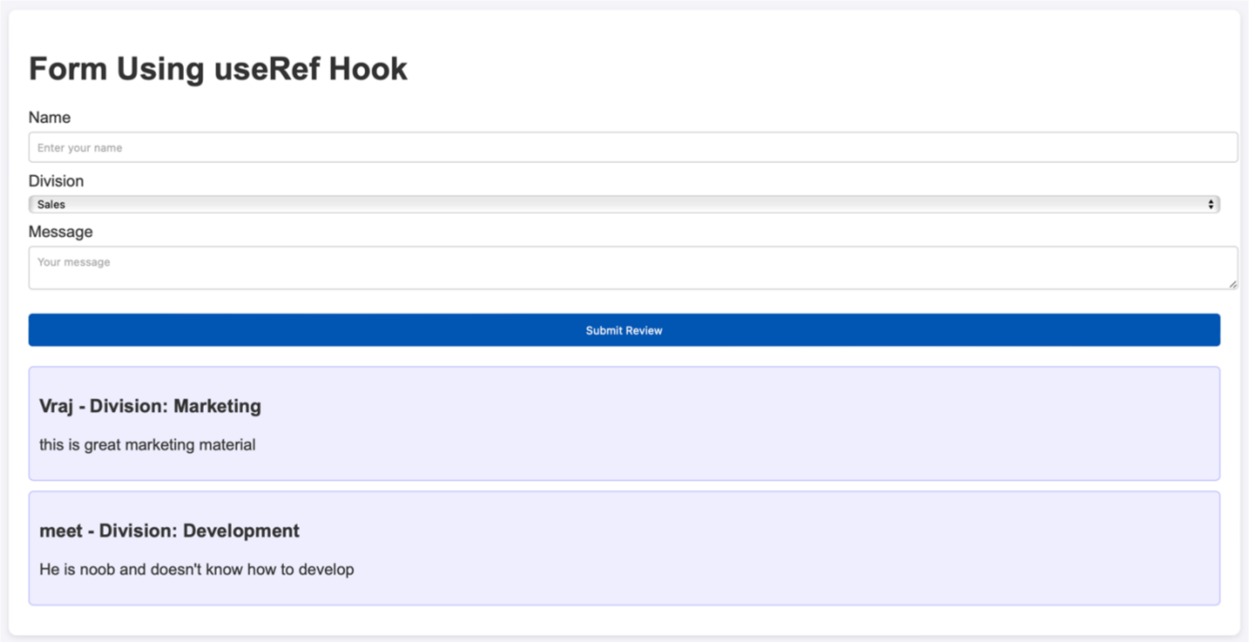
Division: Development

Message: He is noob and doesn't know how to develop

Vraj - Division: Marketing

this is great marketing material





Form Using useRef Hook

Name

Enter your name

Division

Sales

Message

Your message

Vraj - Division: Marketing

this is great marketing material

meet - Division: Development

He is noob and doesn't know how to develop