**Task#1:**

1. Enhance the Text Transformer app using Bootstrap for better design (e.g., buttons, layout, spacing) and add one of the following features:

1. Clear Text button to reset the input.

2. Display Character Count as the user types

**TextBox.js:**

|  |
| --- |
| import React, { useState } from 'react';  function TextBox() {    const [text, setText] = useState(''); // State to hold the entered text    const handleUppercase = () => {      setText(text.toUpperCase()); };    const handleLowercase = () => {      setText(text.toLowerCase()); };    const handleClear = () => {      setText(''); };    return (      <div className="card p-4 shadow-sm">        <h4 className="mb-3">Enter your text below:</h4>        <textarea          className="form-control mb-3"          rows="4"          value={text}          onChange={(e) => setText(e.target.value)}          placeholder="Type something here..."        ></textarea>        <div className="d-flex flex-wrap gap-2 mb-3">          <button className="btn btn-primary" onClick={handleUppercase}>            Convert to Uppercase          </button>          <button className="btn btn-secondary" onClick={handleLowercase}>            Convert to Lowercase          </button>          <button className="btn btn-danger" onClick={handleClear}>            Clear Text          </button>        </div>        <p className="text-muted">          Character Count: <strong>{text.length}</strong>        </p>      </div> );}  export default TextBox; |

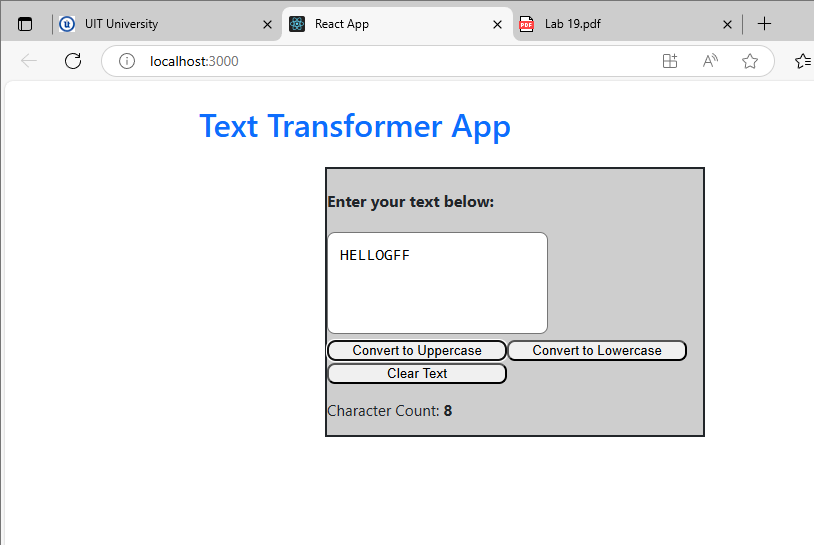
**App.js:**

|  |
| --- |
| import React from 'react';  import TextBox from './TextBox'; // Updated file name if needed  import './App.css';  function App() {    return (      <div className="container mt-5">        <h1 className="text-center mb-4">Text Transformer App</h1>        <TextBox />      </div> );}  export default App; |

**App.css:**

|  |
| --- |
| body {  background-color: #ffffff;  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;  color: #212529;}  .container {  max-width: 700px;}  h1 {  font-weight: 600;  color: #0d6efd;  text-align: center;  font-weight: 400px;}  .card {  border: 2px solid;  background-color: #cecece;  margin-left: 20em;}  textarea.form-control {  resize: none;  font-size: 1rem;  padding: 0.75rem;  border-radius: 0.5rem;}  button.btn {  min-width: 180px;  font-weight: 500;  border-radius: 0.5rem;}  .text-muted {  font-size: 0.95rem;} |

**Output:**

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