

TASK-24

24. Create a Controlled Input:

- Create a form to add a new blog post, controlling the input fields with state.

1. Update the App Component: App.js

```
// src/App.js
import React, { useState } from 'react';
import BlogList from './components/BlogList';
import './App.css';

function App() {
  const [blogs, setBlogs] = useState([
    { title: 'The Beauty of React', content: 'React is a powerful library...', author: 'Het Dabhi' },
    { title: 'PropTypes in Action', content: 'Using PropTypes ensures better code...', author: 'Dhruv Dabhi' },
    { title: 'Components Simplified', content: 'Components are the building blocks of React.', author: 'Raj Dabhi' },
  ]);

  // State for form input
  const [newBlog, setNewBlog] = useState({
    title: '',
    content: '',
    author: ''
  });

  // Handle input change
  const handleChange = (e) => {
    const { name, value } = e.target;
    setNewBlog({
      ...newBlog,
      [name]: value,
    });
  };

  // Handle form submission
  const handleSubmit = (e) => {
    e.preventDefault();
    if (newBlog.title && newBlog.content && newBlog.author) {
      setBlogs([...blogs, newBlog]);
      setNewBlog({ title: '', content: '', author: '' }); // Reset form
    } else {
```

```
    alert('All fields are required!');
  }
};

return (
  <div className="App">
    <h1>Bloggging Platform</h1>
    <BlogList blogs={blogs} />

    <h2>Add New Blog</h2>
    <form onSubmit={handleSubmit}>
      <div>
        <label>Title:</label>
        <input
          type="text"
          name="title"
          value={newBlog.title}
          onChange={handleChange}
          required
        />
      </div>
      <div>
        <label>Content:</label>
        <textarea
          name="content"
          value={newBlog.content}
          onChange={handleChange}
          required
        />
      </div>
      <div>
        <label>Author:</label>
        <input
          type="text"
          name="author"
          value={newBlog.author}
          onChange={handleChange}
          required
        />
      </div>
      <button type="submit">Add Blog</button>
    </form>
  </div>
);
}

export default App;
```

2. BlogPost Component (No Changes): BlogPost.jsx

```
// src/components/BlogPost.jsx
import React from 'react';
import PropTypes from 'prop-types';
import './BlogPost.css';

const BlogPost = ({ title, content, author }) => {
  return (
    <div className="blog-post">
      <h2>{title}</h2>
      <p>{content}</p>
      <p><strong>Author:</strong> {author}</p>
    </div>
  );
};

BlogPost.defaultProps = {
  author: 'Anonymous',
};

BlogPost.propTypes = {
  title: PropTypes.string.isRequired,
  content: PropTypes.string.isRequired,
  author: PropTypes.string,
};

export default BlogPost;
```

3. BlogList Component: BlogList.jsx

```
// src/components/BlogList.jsx
import React from 'react';
import BlogPost from './BlogPost';

const BlogList = ({ blogs }) => {
  return (
    <div className="blog-list">
      {blogs.map((blog, index) => (
        <BlogPost
          key={index}
          title={blog.title}
          content={blog.content}
          author={blog.author}
        />
      ))}
    </div>
  );
};
```

```
    />
  })}
</div>
);
};

export default BlogList;
```

4. Styling (App.css):

```
/*src/App.css */

.App {
  font-family: 'Arial', sans-serif;
  background-color: #f7f7f7;
  display: flex;
  flex-direction: column;
  align-items: center;
  padding: 30px;
}

h1 {
  color: #333;
  font-size: 2rem;
  margin-bottom: 30px;
  font-weight: bold;
}

form {
  margin-top: 30px;
  display: flex;
  flex-direction: column;
  width: 100%;
  max-width: 400px;
  padding: 20px;
  background-color: #fff;
  border: 1px solid #ccc;
  border-radius: 8px;
  box-shadow: 0 2px 8px rgba(0, 0, 0, 0.1);
}

form div {
  margin-bottom: 15px;
}
```

```
label {
  font-size: 1.1rem;
  font-weight: bold;
  color: #333;
}

input,
textarea {
  width: 100%;
  padding: 10px;
  font-size: 1rem;
  border: 1px solid #ccc;
  border-radius: 4px;
  box-sizing: border-box;
  transition: border-color 0.3s ease;
}

input:focus,
textarea:focus {
  border-color: #4caf50;
  outline: none;
}

textarea {
  min-height: 100px;
}

button {
  padding: 12px;
  background-color: #4caf50;
  color: white;
  border: none;
  border-radius: 4px;
  cursor: pointer;
  font-size: 1rem;
  transition: background-color 0.3s ease, transform 0.3s ease;
}

button:hover {
  background-color: #45a049;
  transform: translateY(-2px);
}

button:active {
  transform: translateY(0);
}
```

5. BlogPost.css:

```

/*src/components/BlogPost.css */

/* General Variables */
:root {
  --border-color: #ccc;
  --background-color: #fff;
  --primary-color: #4caf50;
  --text-color: #333;
  --hover-shadow: rgba(0, 0, 0, 0.2);
  --highlight-bg: var(--primary-color);
  --highlight-text: white;
}

/* BlogPost Styles */
.blog-post {
  border: 1px solid var(--border-color);
  border-radius: 12px;
  padding: 20px;
  margin: 20px 0;
  background: linear-gradient(145deg, var(--background-color), #f9f9f9);
  box-shadow: 4px 4px 10px rgba(0, 0, 0, 0.1), -4px -4px 10px rgba(255, 255, 255, 0.5);
  transition: transform 0.3s ease, box-shadow 0.3s ease;
}

.blog-post:hover {
  transform: translateY(-5px);
  box-shadow: 6px 6px 15px var(--hover-shadow), -6px -6px 15px rgba(255, 255, 255, 0.7);
  border: 1px solid var(--primary-color);
}

/* Title Styling */
.blog-post h2 {
  margin: 0 0 10px;
  font-size: 1.8rem;
  color: var(--primary-color);
  text-transform: uppercase;
  letter-spacing: 1px;
}

/* Paragraph Styling */
.blog-post p {
  margin: 5px 0;
  font-size: 1rem;
  line-height: 1.6;
}

```

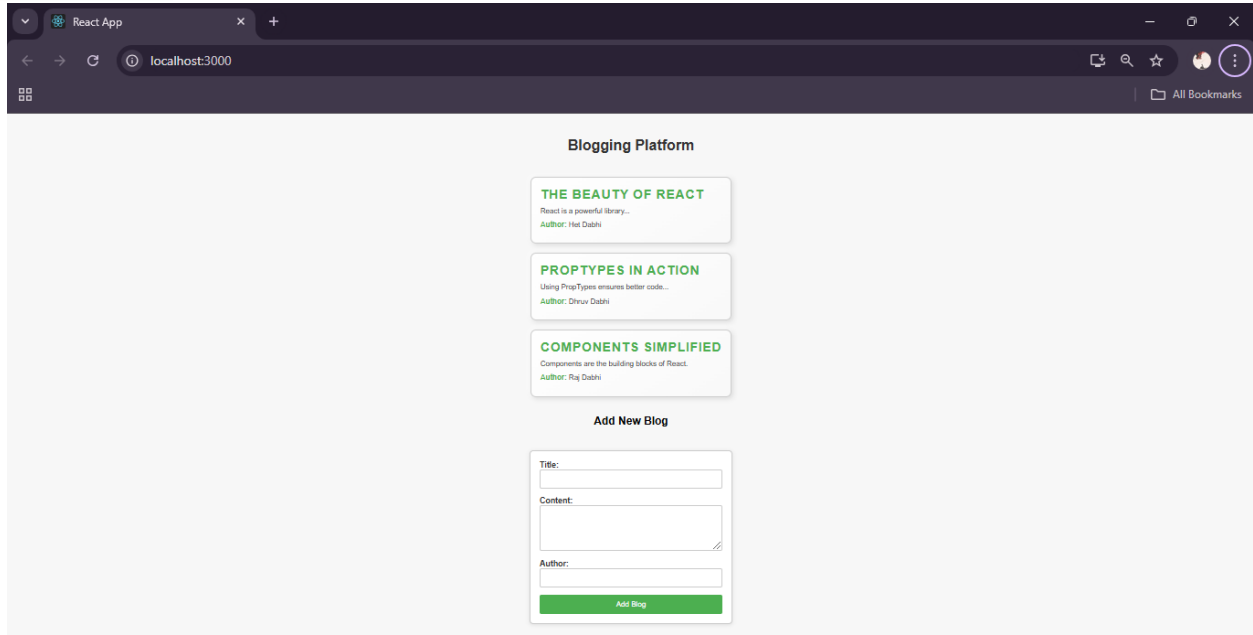
```
    color: var(--text-color);
  }

  /* Strong (Author/Emphasized) Text Styling */
  .blog-post strong {
    color: var(--primary-color);
  }

  /* Unique Animations */
  @keyframes highlight {
    0% {
      background-color: var(--highlight-bg);
      color: var(--highlight-text);
      transform: scale(1.1);
    }
    100% {
      background-color: var(--background-color);
      color: var(--text-color);
      transform: scale(1);
    }
  }

  /* Applying the highlight animation to the title */
  .blog-post:hover h2 {
    animation: highlight 0.4s ease-in-out;
  }

  /* Add a Subtle Glow Effect to the Post */
  .blog-post:hover {
    border: 1px solid var(--primary-color);
    box-shadow: 0 0 15px var(--primary-color);
  }
}
```

Output (Before):**Output (After):**