

12 - React UI for Delete And Update

In this, we implement update and delete functionality for job posts on the React frontend, connecting with backend endpoints.

Backend API Endpoint for Update: `@PutMapping("jobPost")` is used to handle update requests for job posts.-

- **Edit Component Setup:**

- Fetches the job post data by ID from the backend using `axios.get` and populates the form with the data retrieved.
- `useLocation()`: Captures the current post ID from the location state.
- `useNavigate()`: Allows redirection after successful submission if needed.
- `useState()`: Manages form data and stores the current post ID.

```
const location = useLocation();
const navigate = useNavigate();
const [form, setForm] = useState(initial);
const [currId] = useState(location.state.id);

useEffect(() => {
  const fetchInitialPosts = async (id) => {
    const response = await axios.get(`http://localhost:8080/jobPost/${id}`);
    console.log(response.data);
    setForm(response.data);
  };

  fetchInitialPosts(currId);
}, [currId]);
```

- **Update Functionality:**

- Sends a POST request to `http://localhost:8080/jobPost`, passing the form data that submits updated form data to the backend
- Logs the response or catches any errors for debugging.

```
const handleSubmit = (e) => {  
  e.preventDefault();  
  axios  
    .post("http://localhost:8080/jobPost", form)  
    .then((resp) => {  
      console.log(resp.data);  
    })  
    .catch((error) => {  
      console.log(error);  
    });  
};
```

- **Handling Form Changes:**

- It Updates the form state based on input changes.
- Adds the new value to `postTechStack` in the form state dynamically.

```
const handleChange = (e) => {  
  setForm({ ...form, postTechStack: [...form.postTechStack, e.target.value] });  
};
```

- **Delete Functionality:**

- It Deletes a specific job post by ID and reloads the page.
- Calls a delete request to the backend endpoint and triggers a page reload.

```
const handleDelete = (id) => {  
  async function deletePost() {  
    await axios.delete(`http://localhost:8080/jobPost/${id}`);  
    console.log("Delete");  
  }  
  deletePost();  
  
  window.location.reload();  
};
```

Code Link :

<https://github.com/navinreddy20/spring6-course/tree/c6690e4f2c70d8f530d70623f13d14ff0ffd7e7d/React%20UI>