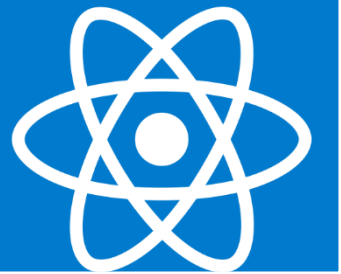
React JS

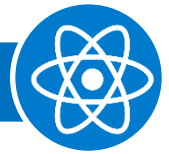
#React Notes

Axios File Upload



File

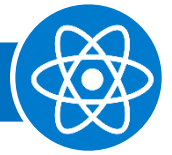
- First, we add an input element with type="file" attribute.
- We can store the selected file in React component state, after receiving it from the onChange event.
- Since we're only able to select a single file, we can get it from the files array on the input: e.target.files[0]
- We need to set the set body to the file we received from the input and the headers: content-type



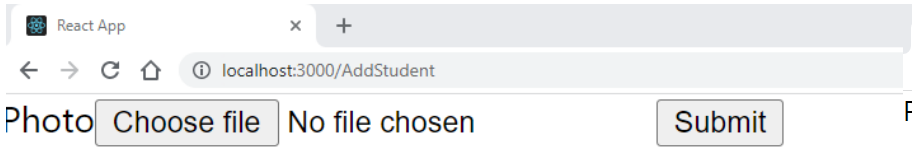
AddStudent.js

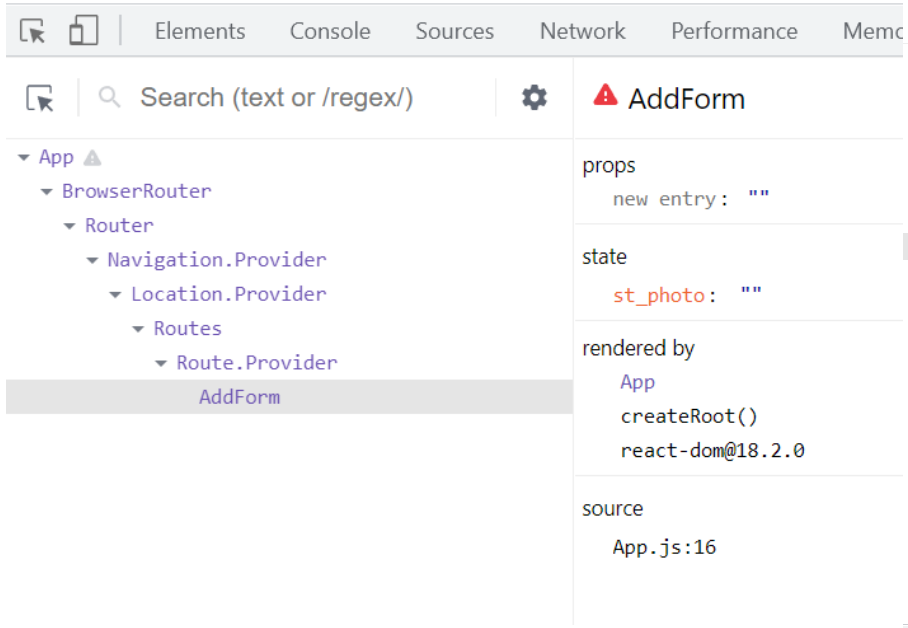
src > components > AddStudent.js > AddForm

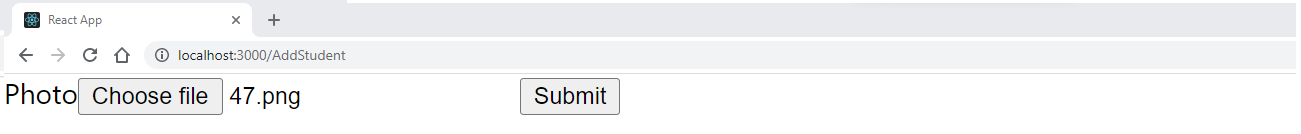
```
1  import React from 'react';
2  class AddForm extends React.Component {
3      constructor(props) {
4          super(props);
5          this.state = {
6              st_photo: '',
7          }
8      }
9
10     handleFormSubmit(event) {
11         event.preventDefault();
12         let formData = new FormData();
13         formData.append('st_photo', this.state.st_photo);
14         formData.append('st_photo', this.state.st_photo.name)
15     }
16
17     render() {
18         return (
19             <form>
20
21               <label>Photo</label>
22               <input type="file" name="st_photo"
23                   onChange={e => this.setState({ st_photo: e.target.files[0] })} />
24
25                 <input type="submit" onClick={e => this.handleFormSubmit(e)} value="Submit" />
26             </form>);
27     }
28 }
29 export default AddForm;
```

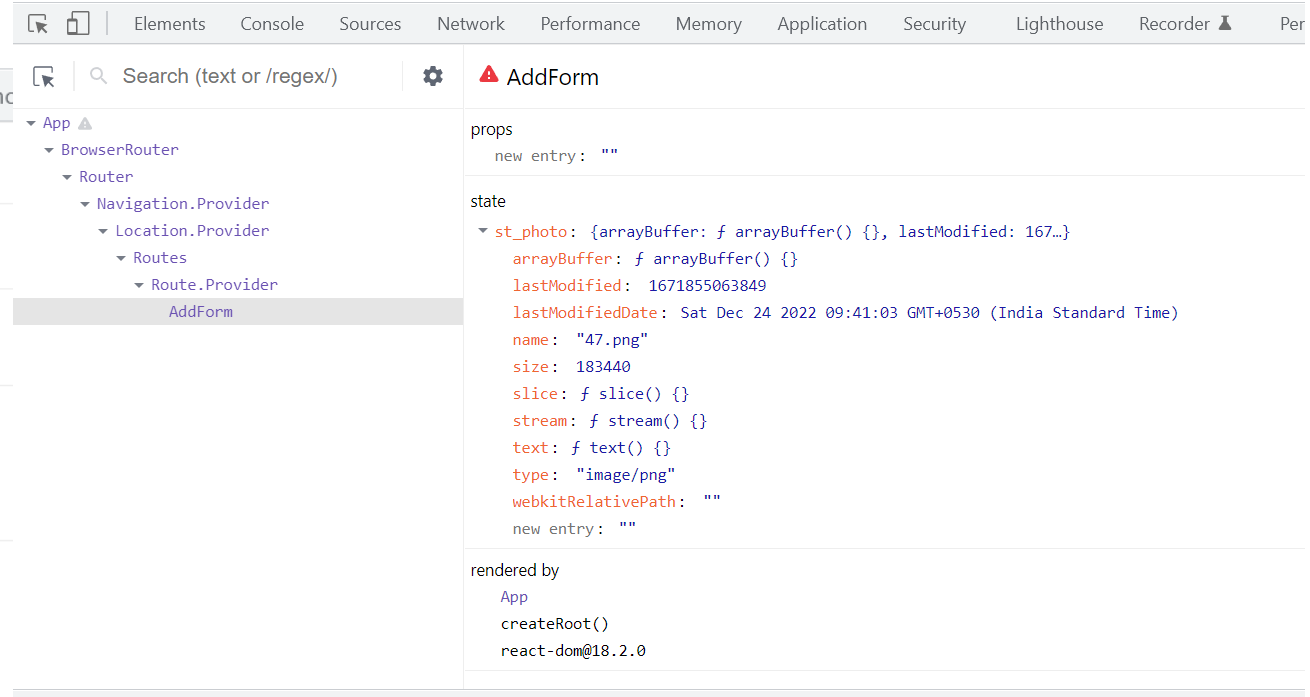


File Details









Code

AddStudent.js

src > components > AddStudent.js > AddForm

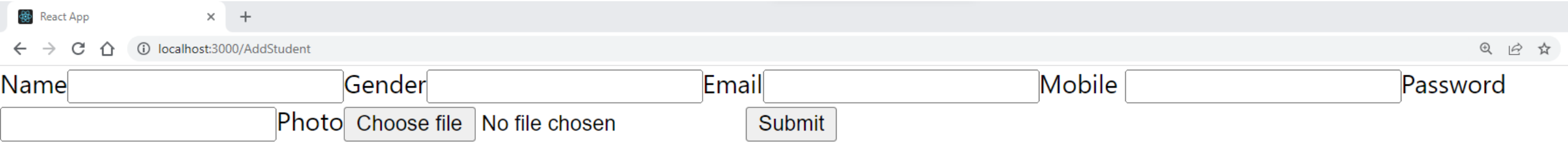
```
1  import React from 'react';
2   import Swal from 'sweetalert2';
3   import axios from 'axios';
4
5  class AddForm extends React.Component {
6      constructor(props) {
7          super(props);
8          this.state = {
9              st_name: '', st_gender: '', st_email: '',st_mobileno: '',
10             st_password: '', st_photo: '',
11         }
12     }
13
```

```
import React from 'react';
 import Swal from 'sweetalert2';
 import axios from 'axios';

class AddForm extends React.Component {
   constructor(props) {
      super(props);
      this.state = {
         st_name: '', st_gender: '', st_email: '',st_mobileno: '',
         st_password: '', st_photo: '',
      }
   }
```

Code

```
handleFormSubmit(event) {
    event.preventDefault();

    let formData = new FormData();
    formData.append('st_name', this.state.st_name)
    formData.append('st_gender', this.state.st_gender)
    formData.append('st_email', this.state.st_email)
    formData.append('st_mobileno', this.state.st_mobileno)
    formData.append('st_password', this.state.st_password)
    formData.append('st_photo', this.state.st_photo); //File Details
    formData.append('st_photo', this.state.st_photo.name) //File Name
    let axiosConfig = {
        headers: {
            //'Content-Type': 'application/json;charset=UTF-8',
            'Content-Type': 'multipart/form-data',
        }
      }
    axios.post(`https://akashsir.in/myapi/crud/student-add-api.php`,formData,axiosConfig)
        .then(function (response) {
            //handle success
            console.log(response.data)
            if (response.data.flag === "1") {
                Swal.fire({
                    title: 'Record Added',
                    text: 'Record Added',
                    icon: 'success'
                })
            }
        }).catch(function (response) {
            //handle error
            console.log(response)
        });
}
```

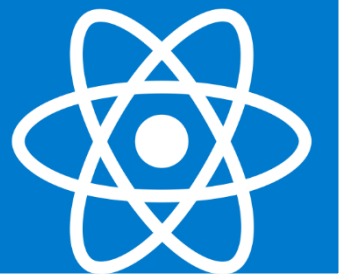
```
    render() {
        return (
            <form>
                <label>Name</label>
                <input type="text" name="st_name" value={this.state.st_name}
                    onChange={e => this.setState({ st_name: e.target.value })} />

                <label>Gender</label>
                <input type="text" name="st_gender" value={this.state.st_gender}
                    onChange={e => this.setState({ st_gender: e.target.value })} />

                <label>Email</label>
                <input type="text" name="st_email" value={this.state.st_email}
                    onChange={e => this.setState({ st_email: e.target.value })} />

                <label>Mobile </label>
                <input type="text" name="st_mobileno" value={this.state.st_mobileno}
                    onChange={e => this.setState({ st_mobileno: e.target.value })} />
                <label>Password</label>
                <input type="text" name="st_password" value={this.state.st_password}
                    onChange={e => this.setState({ st_password: e.target.value })} />

                <label>Photo</label>
                <input type="file" name="st_photo"
                    onChange={e => this.setState({ st_photo: e.target.files[0] })} />

                <input type="submit" onClick={e => this.handleFormSubmit(e)} value="Submit" />
            </form>);
    }
}

export default AddForm;
```


React App
localhost:3000/AddStudent
Name
Gender
Email
Mobile
Password
Photo
Choose file
No file chosen
Submit

```
handleFormSubmit(event) {
    event.preventDefault();

    let formData = new FormData();
    formData.append('st_name', this.state.st_name)
    formData.append('st_gender', this.state.st_gender)
    formData.append('st_email', this.state.st_email)
    formData.append('st_mobileno', this.state.st_mobileno)
    formData.append('st_password', this.state.st_password)
    formData.append('st_photo', this.state.st_photo); //File Details
    formData.append('st_photo', this.state.st_photo.name) //File Name
    let axiosConfig = {
      headers: {
        //'Content-Type': 'application/json;charset=UTF-8',
        'Content-Type': 'multipart/form-data',
      }
     }
    axios.post(`https://akashsir.in/myapi/crud/student-add-api.php`,formData,axiosConfig)
      .then(function (response) {
        //handle success
        console.log(response.data)
         if (response.data.flag === "1") {
          Swal.fire({
            title: 'Record Added',
            text: 'Record Added',
            icon: 'success'
          })
        }
      }).catch(function (response) {
        //handle error
        console.log(response)
      });
  }
```

```
render() {
    return (
      <form>
        <label>Name</label>
        <input type="text" name="st_name" value={this.state.st_name}
          onChange={e => this.setState({ st_name: e.target.value })} />

        <label>Gender</label>
        <input type="text" name="st_gender" value={this.state.st_gender}
          onChange={e => this.setState({ st_gender: e.target.value })} />

        <label>Email</label>
        <input type="text" name="st_email" value={this.state.st_email}
          onChange={e => this.setState({ st_email: e.target.value })} />

        <label>Mobile </label>
        <input type="text" name="st_mobileno" value={this.state.st_mobileno}
          onChange={e => this.setState({ st_mobileno: e.target.value })} />
        <label>Password</label>
        <input type="text" name="st_password" value={this.state.st_password}
          onChange={e => this.setState({ st_password: e.target.value })} />

        <label>Photo</label>
        <input type="file" name="st_photo"
          onChange={e => this.setState({ st_photo: e.target.files[0] })} />

        <input type="submit" onClick={e => this.handleFormSubmit(e)} value="Submit" />
      </form>);
  }
}

export default AddForm;
```

Hooks



Code

```
import './App.css';
import React, {useState} from react;

function App() {

 const [file, setFile] = useState()

 function handleChange(event) {
  setFile(event.target.files[0])
 }

 return (
  <div className="App">
     <form>
      <h1>React File Upload</h1>
      <input type="file" onChange={handleChange}/>
      <button type="submit">Upload</button>
     </form>
  </div>
 );
}

export default App;
```

```
function handleSubmit(event) {
  event.preventDefault()
  const url = 'http://localhost:3000/uploadFile';
  const formData = new FormData();
  formData.append('file', file);
  formData.append('fileName', file.name);
  const config = {
   headers: {
    'content-type': 'multipart/form-data',
   },
  };
  axios.post(url, formData, config).then((response) => {
   console.log(response.data);
  });

 }
```

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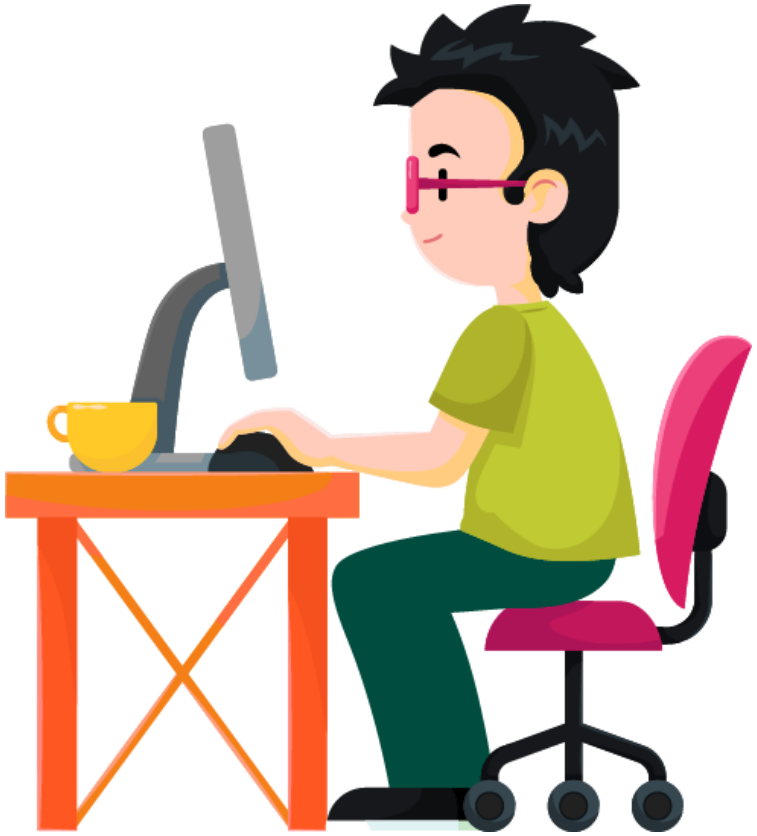

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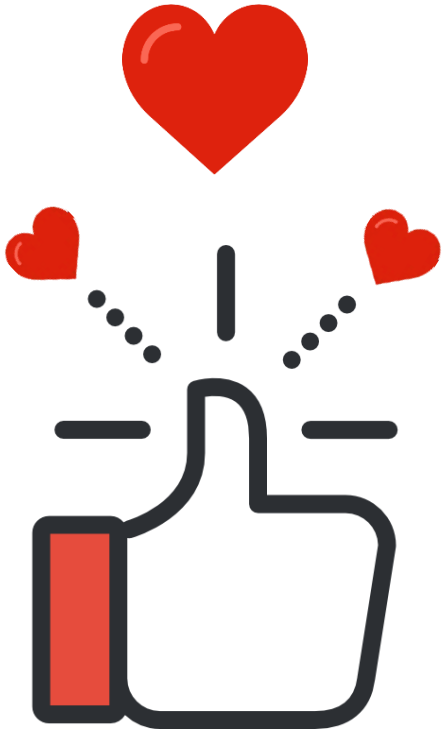

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