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Kelas : TI-20-PA1
Matkul : Pemrograman Web Lanjut

1. Pada project sebelumnya silakan anda pasang Authentication untuk form sign-in.

| Source Code |
|---|
| <pre>import React, { useState } from 'react'; import { Link } from 'react-router-dom' import axios from 'axios'; import { openModal } from '../..../Latihan/Pertemuan 4/layouts/components/modals/ModalPopUp'; const Form = () => { // data const [objAuth, setObjAuth] = useState({ email: "", password: "" }); // submit form const handlerSubmit = (e) => { e.preventDefault(); if (objAuth.email !== "" && objAuth.password !== "") { setPostAuth({ ...postAuth, loading: true, message: "", data: [] }); let config = { method: 'post', maxBodyLength: Infinity, url: 'http://localhost:8080/api/auth/login', headers: { 'Content-Type': 'application/json' }, data: objAuth }; axios.request(config) .then((response) => { let results = response.results; if (results === 'false') { setPostAuth({ ...postAuth, loading: false, message: "Email or password is not match", data: [] }); } else { setPostAuth({ ...postAuth, loading: false, message: "welcome " + objAuth.email, data: response }); } }) .catch((error) => { console.log(error); setPostAuth({ ...postAuth, loading: false, message: error }); }) } else {</pre> |

```

        openModal({ header: "Information", message: "Please fill up the form with
correctly" });
    }
}

// post
const [postAuth, setPostAuth] = useState({
    loading: false,
    data: [],
    message: ""
})
// session storage
sessionStorage.setItem('nama', 'yudhis')

// local storage
localStorage.setItem("npm", "202310067")

return (
    <div className="d-flex flex-center flex-column flex-column-fluid p-10 pb-lg-
20">
        <Link to={"/"} className="mb-12">
            
        </Link>
        <div className="w-lg-500px rounded shadow-sm p-10 p-lg-15 mx-auto"
style={{ backgroundColor: "#80008008" }}>
            <form method="post" className='form w-100 fv-plugins-bootstrap5 fv-
plugins-framework' autoComplete='off'
onSubmit={(e) => handlerSubmit(e)}>
                <div className="text-center mb-10">
                    <h1 className="text-dark mb-3">Sign In to Portal</h1>
                    <div className="text-gray-400 fw-bold fs-4">
                        New Here ?
                        <Link to={"/signup"} className="ms-2 text-decoration-
none">Create an account</Link>
                    </div>
                </div>
                <div className='alert alert-primary'>
                    {(postAuth.message) ? <p>{postAuth.message}</p> : ""}
                </div>

                <div className="fv-row mb-10 fv-plugins-icon-container">
                    <label className="form-label fs-6 fw-bolder text-
dark">Email</label>
                    <input type="email" name="email" className='form-control form-
control-lg'
                        defaultValue={objAuth.email}
                        onChange={(e) => setObjAuth({ ...objAuth, email: e.target.value })}
                    />
                </div>
                <div className="fv-row mb-10 fv-plugins-icon-container">

```

```

        <label className="form-label fs-6 fw-bolder text-
dark">Password</label>
        <input type="password" name="password" className='form-control
form-control-lg'
        defaultValue={objAuth.password}
        onChange={(e) => setObjAuth({ ...objAuth, password:
e.target.value }}}
        />
      </div>
      <div className="text-center">
        <button className="btn btn-lg btn-primary w-100 mb-5"
type='submit'>Continue</button>
      </div>
    </form>
  </div>
</div>
);
}

```

export default Form;

Screenshot



Sign In to Portal

New Here ? [Create an account](#)

welcome 202310067@student.ibik.ac.id

Email

202310067@student.ibik.ac.id

Password

.....

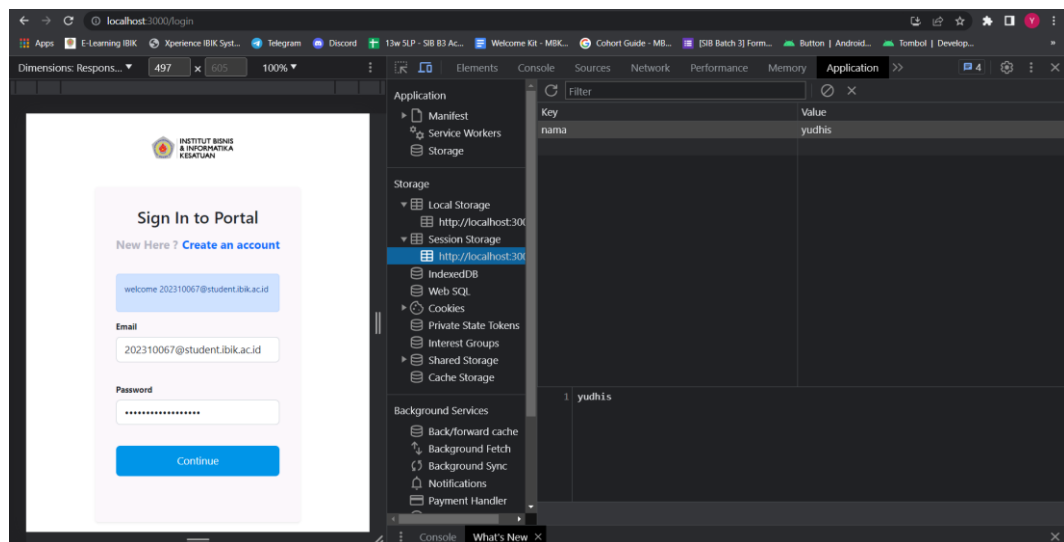
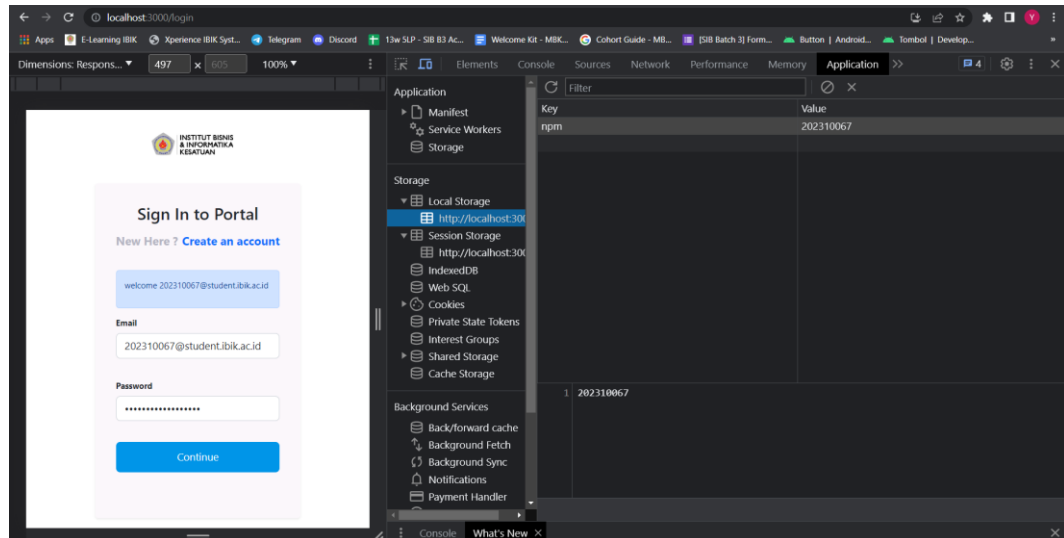
Continue

2. Berikan contoh penggunaan basik untuk penyimpanan LocalStorage dan SessionStorage pada masing-masing script sign-in.

Source Code

```
// session storage  
sessionStorage.setItem('nama', 'yudhis')  
  
// local storage  
localStorage.setItem("npm", "202310067")
```

Screenshot



3. Berikan pendapat kalian mana yang lebih baik digunakan untuk melakukan penyimpanan data menggunakan LocalStorage, SessionStorage, React Cookies, React Session atau React Firebase. Dan berikan alasannya.

Menurut saya yang terbaik kembali ke kebutuhan aplikasi yang dikembangkan. Jika aplikasi hanya perlu menyimpan data sementara di sisi client, maka LocalStorage atau SessionStorage sudah cukup. Jika aplikasi perlu mengirim data ke server dalam setiap permintaan HTTP, maka penggunaan Cookie atau Firebase bisa menjadi pilihan yang lebih baik. Jika aplikasi perlu berbagi data di antara komponen-komponen React, maka lebih baik menggunakan React Session.