



## JOBSHEET

<b>Nama Program Pelatihan</b>	:	Pengembangan Web dengan Node.js dan React
<b>Kode Unit Kompetensi</b>	:	J.6201000.05.01
<b>Judul Unit Kompetensi</b>	:	Mengimplementasikan User Interface
<b>Kejuruan</b>	:	Teknologi Informasi dan Komunikasi
<b>No. Jobsheet</b>	:	2

### **A. Judul**

Penerapan UI Web Menggunakan React dan Tailwind CSS

### **B. Tujuan**

Peserta kompeten membuat antarmuka pengguna (UI) berbasis React dan Tailwind CSS untuk membangun halaman web modern yang mencakup navigasi, form login, form registrasi, tabel data, dan komponen UI secara modular dan responsif

### **C. Peralatan dan Bahan**

#### 1. Perangkat Lunak

- Teks Editor: VS Code/Sublime Text/Notepad++
- Web Browser: Chrome/Firefox
- Version Control System: Git
- Repozitori Kode: GitHub

#### 2. Perangkat Keras

- Komputer atau laptop

#### 3. Lain-lain

- Koneksi internet
- Folder kerja: ui-react-tailwind

### **D. Petunjuk Kegiatan Praktik**

1. Peserta membuat proyek antarmuka menggunakan React dan Tailwind CSS.
2. Peserta membuat komponen UI: Navigasi, Form Login, Form Registrasi, dan Tabel.
3. Peserta menata layout dan gaya tampilan dengan Tailwind CSS.
4. Peserta menghubungkan halaman menggunakan React Router.
5. Hasil pekerjaan dikelola menggunakan Git dan diunggah ke GitHub.

### **E. Langkah kerja**

1. Buka terminal, buat proyek React dengan Vite:



# BBPVP dan BPVP

## Direktorat Jenderal Pembinaan Pelatihan Vokasi dan Produktivitas

### Kementerian Ketenagakerjaan R.I

#### - Smart Creative Skills -

```
tikbl@TIKInstruktur MINGW64 /d/webDev/Mengimplementasikan-User-Interface/Jobsheet/ui-react-tailwind
$ npm create vite@latest ui-react-tailwind --template react
npm warn "react" is being parsed as a normal command line argument.
npm warn Unknown cli config "--template". This will stop working in the next major version of npm.

> npx
> create-vite ui-react-tailwind react

o Select a framework:
  React

o Select a variant:
  Javascript

o Scaffolding project in D:\WebDev\Mengimplementasikan-User-Interface\Jobsheet\ui-react-tailwind...
- Done. Now run:

cd ui-react-tailwind
npm install
npm run dev

tikbl@TIKInstruktur MINGW64 /d/webDev/Mengimplementasikan-User-Interface/Jobsheet (main)
$ cd ui-react-tailwind

tikbl@TIKInstruktur MINGW64 /d/webDev/Mengimplementasikan-User-Interface/Jobsheet/ui-react-tailwind (main)
$ npm install

added 198 packages, and audited 199 packages in 14s

33 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

tikbl@TIKInstruktur MINGW64 /d/webDev/Mengimplementasikan-User-Interface/Jobsheet/ui-react-tailwind (main)
$ |
```

2. Instal Tailwind CSS:

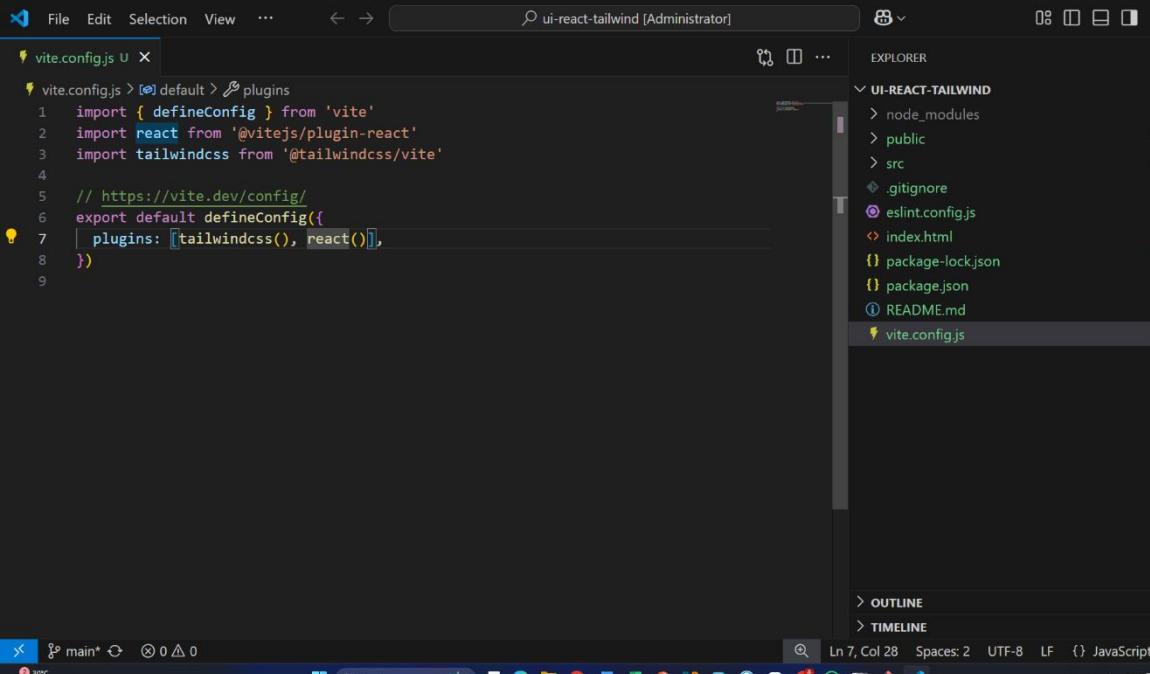
```
tikbl@TIKInstruktur MINGW64 /d/webDev/Mengimplementasikan-User-Interface/Jobsheet/ui-react-tailwind
$ npm install tailwindcss @tailwindcss/vite

added 40 packages, and audited 239 packages in 4s

45 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

tikbl@TIKInstruktur MINGW64 /d/webDev/Mengimplementasikan-User-Interface/Jobsheet/ui-react-tailwind (main)
$ |
```





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### Kementerian Ketenagakerjaan R.I

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The screenshot shows the VS Code interface with the following details:

- File:** File, Edit, Selection, View, ...
- Title Bar:** ui-react-tailwind [Administrator]
- Editor:** src > # index.css (content of index.css)
- Content of index.css:**

```
src > # index.css
1  @import "tailwindcss";
2  /* :root {
3    font-family: system-ui, Avenir, Helvetica, Arial, sans-serif;
4    line-height: 1.5;
5    font-weight: 400;
6
7    color-scheme: light dark;
8    color: rgba(255, 255, 255, 0.87);
9    background-color: #242424;
10
11   font-synthesis: none;
12   text-rendering: optimizeLegibility;
13   -webkit-font-smoothing: antialiased;
14   -moz-osx-font-smoothing: grayscale;
15 }
16
17 a {
18   font-weight: 500;
19   color: #646cff;
20   text-decoration: inherit;
21 }
22 a:hover {
23   color: #535bf2;
24 }
25
```

- Explorer:** UI-REACT-TAILWIND (tree view of project files)
- Bottom Status Bar:** Ln 11, Col 24, Spaces: 2, UTF-8, LF, CSS

### 3. Instal React Router dan Axios:

```
tikbl@TIKINSTRUKTUR MINGW64 /d/webDev/Mengimplementasikan-User-Interface/Jobsheet/ui-react-tailwind (main)
$ npm install react-router-dom axios
added 27 packages, and audited 266 packages in 6s
51 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities
tikbl@TIKINSTRUKTUR MINGW64 /d/webDev/Mengimplementasikan-User-Interface/Jobsheet/ui-react-tailwind (main)
$ |
```

### 4. Buat file .env dalam folder root:

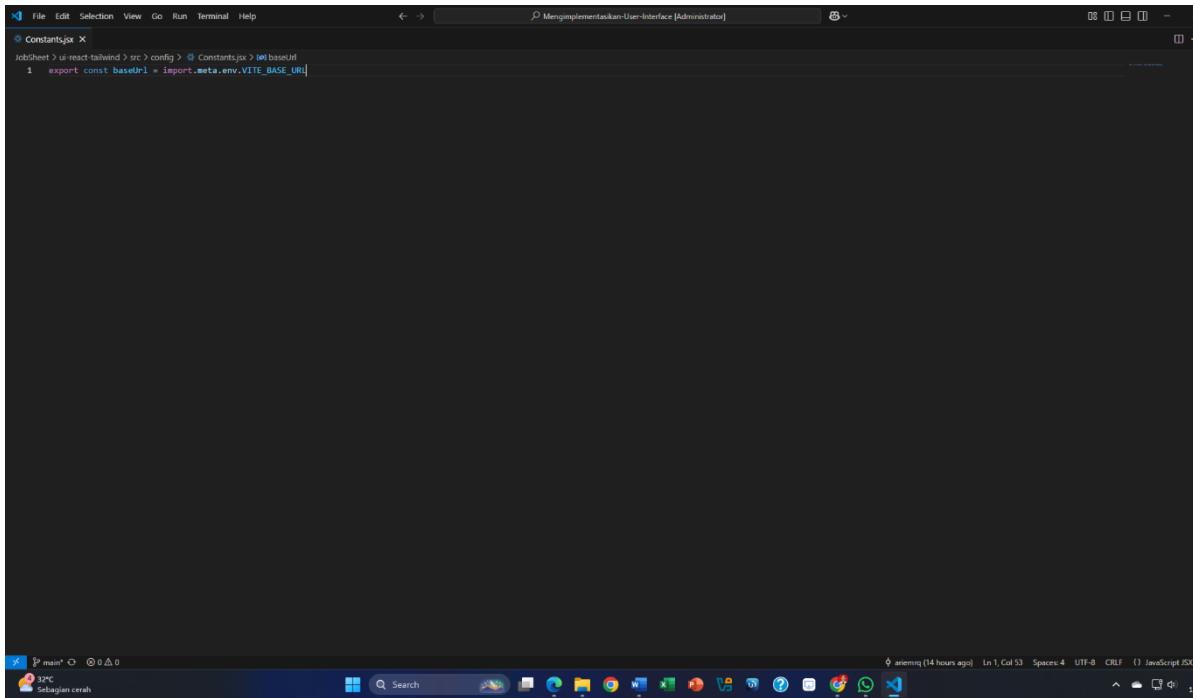
The screenshot shows a terminal window with the following command and output:

```
Jobsheet ui-react-tailwind > $ env
1  VITE_BASE_URL=http://localhost:8000/api
2  # isi xxxx dengan port yang digunakan pada backend
```



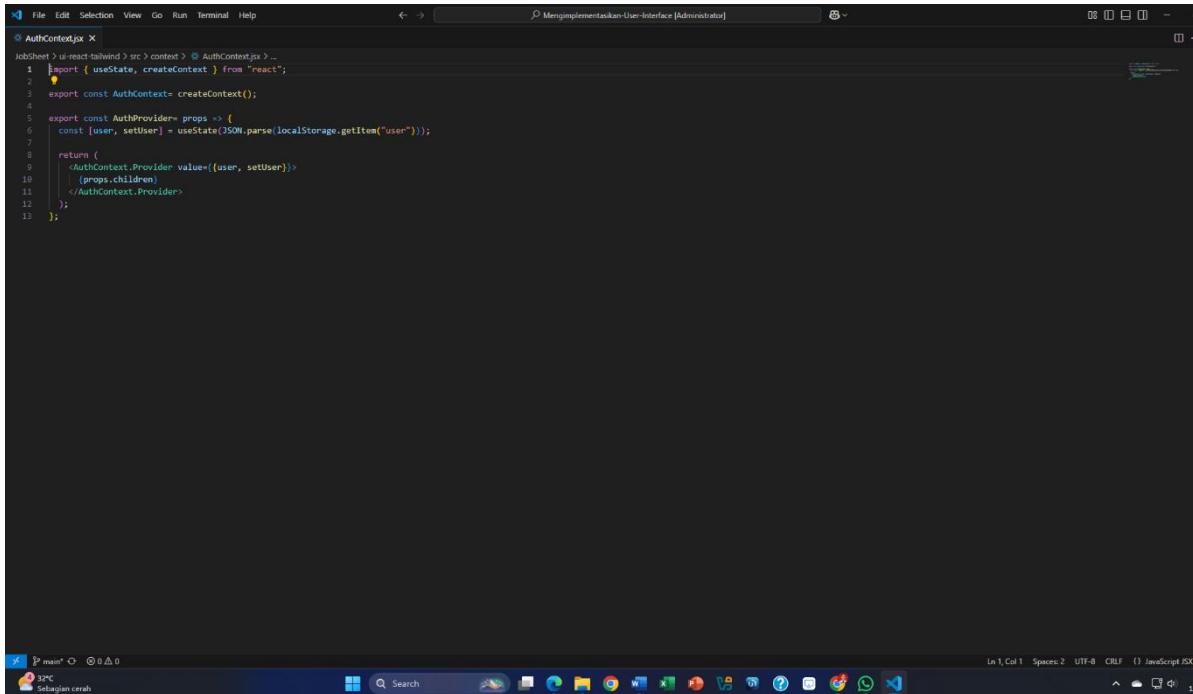
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**Kementerian Ketenagakerjaan R.I**  
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5. Buat file Constants.jsx dalam folder src/config:



```
File Edit Selection View Go Run Terminal Help
Constants.jsx
JobSheet > ui-react-tailwind > src > config > Constants.jsx >(baseUrl
1 export const baseUrl = import.meta.env.VITE_BASE_URL;
```

6. Buat file AuthContext.jsx dalam folder src/context:



```
File Edit Selection View Go Run Terminal Help
AuthContext.jsx
JobSheet > ui-react-tailwind > src > context > AuthContext.jsx ...
1 import { useState, createContext } from "react";
2 
3 export const AuthContext = createContext();
4 
5 export constAuthProvider = props => {
6   const [user, setUser] = useState(JSON.parse(localStorage.getItem("user")));
7 
8   return (
9     <AuthContext.Provider value={{user, setUser}}>
10       {props.children}
11     </AuthContext.Provider>
12   );
13 };
In 1, Col 1  Spaces: 2  UTF-8  CRLF  JavaScript JSX
```

7. Buat struktur halaman di folder src/pages/:

- Login.jsx



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## Direktorat Jenderal Pembinaan Pelatihan Vokasi dan Produktivitas Kementerian Ketenagakerjaan R.I

### - Smart Creative Skills -

```
File Edit Selection View Go Run Terminal Help M Mengimplementasikan-User-Interface [Administrasi]
```

```
Jobsheet > ui-react-tailwind > src > pages > Login.jsx M
 1 import { useState, useContext } from 'react';
 2 import { useNavigate } from 'react-router-dom';
 3 import { basel1 } from '../config/constants';
 4 import { AuthContext } from '../context/authContext';
 5 import axios from 'axios';
 6 import Input from '../components/Input';
 7 import Button from '../components/Button';
 8
 9 function Login({ onSwitchToRegister, onClose }) {
10   const [form, setForm] = useState({ email: '', password: '' });
11   const [status, setStatus] = useState('');
12   const { setser } = useContext(AuthContext);
13   const navigate = useNavigate();
14   const handleChange = (e) =>
15     setForm({ ...form, [e.target.name]: e.target.value });
16
17   const handleSubmit = async (e) => {
18     e.preventDefault();
19     setStatus('Memproses...');
20     try {
21       const res = await axios.post(`${basel1}/auth/login`, form);
22       const { accessToken } = res.data;
23       const dataLogin = { accessToken, email: form.email };
24
25       localStorage.setItem("user", JSON.stringify(dataLogin));
26       setUser(dataLogin);
27       setStatus('Login berhasil!');
28       if (onClose) onClose();
29       navigate('/');
30     } catch (err) {
31       setStatus('Email atau password salah');
32     }
33   };
34
35   return (
36     <div>
37       <h2 className="text-2xl font-semibold mb-4 text-blue-600 text-center">Form Login</h2>
38       <form onSubmit={handleSubmit} className="flex flex-col gap-4">
39         <input type="email" name="email" value={form.email} onChange={handleChange} placeholder="Email" required />
40         <input type="password" name="password" value={form.password} onChange={handleChange} placeholder="Password" required />
41         <button type="submit" variant="primary" onClick={handleSubmit}>Login</button>
42         <div className="text-sm text-center text-gray-700">{status}</div>
43       </div>
44       <p className="text-sm">Belum punya akun?</p>
45       <button type="button" onClick={onSwitchToRegister}>Registrasi disini</button>
46     </div>
47   );
48
49   export default login;
50
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```

```
File Edit Selection View Go Run Terminal Help M Mengimplementasikan-User-Interface [Administrasi]
```

```
Jobsheet > ui-react-tailwind > src > pages > Register.jsx M
 1 import { useState, useContext } from 'react';
 2 import { useNavigate } from 'react-router-dom';
 3 import { basel1 } from '../config/constants';
 4 import { AuthContext } from '../context/authContext';
 5 import axios from 'axios';
 6 import Input from '../components/Input';
 7 import Button from '../components/Button';
 8
 9 function Register({ onClose }) {
10   const [form, setForm] = useState({ name: '', email: '', password: '' });
11   const [status, setStatus] = useState('');
12   const navigate = useNavigate();
13   const { setser } = useContext(AuthContext);
14
15   const handleChange = (e) =>
16     setForm({ ...form, [e.target.name]: e.target.value });
17
18   const handleSubmit = async (e) => {
19     e.preventDefault();
20     try {
21       const res = await axios.post(`${basel1}/auth/register`, form);
22       const { accessToken } = res.data;
23       const dataLogin = { accessToken, email: form.email };
24
25       localStorage.setItem("user", JSON.stringify(dataLogin));
26       setUser(dataLogin);
27       setStatus('Berhasil Registrasi!');
28       if (onClose) onClose();
29       navigate('/');
30     } catch (err) {
31       setStatus('Email atau password salah');
32     }
33   };
34
35   return (
36     <div>
37       <h2 className="text-2xl font-semibold mb-4 text-blue-600 text-center">Form Register</h2>
38       <form onSubmit={handleSubmit} className="flex flex-col gap-4">
39         <input type="text" name="name" value={form.name} onChange={handleChange} placeholder="Name" required />
40         <input type="email" name="email" value={form.email} onChange={handleChange} placeholder="Email" required />
41         <input type="password" name="password" value={form.password} onChange={handleChange} placeholder="Password" required />
42         <button type="submit" variant="primary" onClick={handleSubmit}>Register</button>
43       </div>
44     </div>
45   );
46
47   export default register;
48
49
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```

```
File Edit Selection View Go Run Terminal Help M Mengimplementasikan-User-Interface [Administrasi]
```

```
Jobsheet > ui-react-tailwind > src > pages > Register.jsx M
 1 import { useState, useContext } from 'react';
 2 import { useNavigate } from 'react-router-dom';
 3 import { basel1 } from '../config/constants';
 4 import { AuthContext } from '../context/authContext';
 5 import axios from 'axios';
 6 import Input from '../components/Input';
 7 import Button from '../components/Button';
 8
 9 function Register({ onClose }) {
10   const [form, setForm] = useState({ name: '', email: '', password: '' });
11   const [status, setStatus] = useState('');
12   const navigate = useNavigate();
13   const { setser } = useContext(AuthContext);
14
15   const handleChange = (e) =>
16     setForm({ ...form, [e.target.name]: e.target.value });
17
18   const handleSubmit = async (e) => {
19     e.preventDefault();
20     try {
21       const res = await axios.post(`${basel1}/auth/register`, form);
22       const { accessToken } = res.data;
23       const dataLogin = { accessToken, email: form.email };
24
25       localStorage.setItem("user", JSON.stringify(dataLogin));
26       setUser(dataLogin);
27       setStatus('Berhasil Registrasi!');
28       if (onClose) onClose();
29       navigate('/');
30     } catch (err) {
31       setStatus('Email atau password salah');
32     }
33   };
34
35   return (
36     <div>
37       <h2 className="text-2xl font-semibold mb-4 text-blue-600 text-center">Form Register</h2>
38       <form onSubmit={handleSubmit} className="flex flex-col gap-4">
39         <input type="text" name="name" value={form.name} onChange={handleChange} placeholder="Name" required />
40         <input type="email" name="email" value={form.email} onChange={handleChange} placeholder="Email" required />
41         <input type="password" name="password" value={form.password} onChange={handleChange} placeholder="Password" required />
42         <button type="submit" variant="primary" onClick={handleSubmit}>Register</button>
43       </div>
44     </div>
45   );
46
47   export default register;
48
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```

- Register.jsx



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**Kementerian Ketenagakerjaan R.I**  
- Smart Creative Skills -

```
File Edit Selection View Go Run Terminal Help ← → ⌘ M Mengimplementasikan User Interface [Administrator] ⌘ ⌘ Register.js •
JobSheet7 > react-boilerplate > pages > Register.js > Register
1 import { useState } from 'react';
2 import { useEffect } from './config/constants';
3 import axios from 'axios';
4 import Input from './components/Input';
5 import Button from './components/Button';
6
7 function Register({ onSwitchToLogin }) {
8   const [form, setForm] = useState({ name: '', email: '', password: '' });
9   const [status, setStatus] = useState('');
10   const handleChange = (e) => {
11     setForm({ ...form, [e.target.name]: e.target.value });
12   };
13   const handleSubmit = async (e) => {
14     e.preventDefault();
15     setStatus('Mengirim... ');
16     try {
17       const res = await axios.post(`${baseURL}/auth/register`, form);
18       setStatus(`User ${res.data.data.name} berhasil dibuat`);
19     } catch (err) {
20       setStatus('Gagal mengirim data');
21     }
22   };
23   return (
24     <div>
25       <h2 className="text-2xl font-semibold mb-4 text-blue-900 text-center">Form Pendaftaran</h2>
26       <form onSubmit={handleSubmit}>{`<flex flex-col gap-4>`}
27         <Input name="name" value={form.name} onChange={handleChange} placeholder="Nama lengkap" required />
28         <Input type="email" name="email" value={form.email} onChange={handleChange} placeholder="Email" required />
29         <Input type="password" name="password" value={form.password} onChange={handleChange} placeholder="Password" required />
30         <button type="submit" variant="primary">Kirim</button>
31       </form>
32       <status>{`<p className="mt-4 text-center text-sm text-gray-700">${status}</p>`}</status>
33       <div className="text-center mt-4">
34         <p>Sudah punya akun?</p>
35         <button
36           type="button"
37           onClick={onSwitchToLogin}
38           className="text-blue-600 hover:underline ml-1">
39             login disini
40           </button>
41         </p>
42       </div>
43     </div>
44   );
45 }
46
47
48 export default Register;
```

- Home.jsx

The screenshot shows a code editor window with the following details:

- Header:** File Edit Selection View Go Run ... 🔍 Mengimplementasikan-User-Interface [Administrator] 🌐 08
- File Path:** JobSheet > ui-react-tailwind > src > pages > Home.jsx > Home
- Code Content:**

```
1  function Home() {
2    return (
3      <div>
4        |   <h2 className="text-2xl font-bold mb-2">Beranda</h2>
5        |   <p>Selamat datang di aplikasi User Interface berbasis React - Job Sheet!</p>
6      </div>
7    );
8  }
9  export default Home;
```
- Bottom Status Bar:** main\* 0 0 △ 0 32°C Selasian cerah Search Ln 1, Col 1 Spaces:2 UTF-8 CRLF

- peserta/DataPeserta.jsx



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**Kementerian Ketenagakerjaan R.I**  
- Smart Creative Skills -

```
File Edit Selection View Go Run Terminal Help ↻ Mengimplementasikan-User-Interface [Administrator] ⌂

DataPeserta.jsx X
JobSheet > us-react-tailwind > src > pages > peserta > DataPeserta.jsx > DataPeserta
1 import { useState, useContext, useEffect } from 'react';
2 import { baseurl } from '../src/config/constants';
3 import { AuthContext } from "../src/context/AuthContext";
4 import axios from 'axios';
5 import Table from '../src/components/Table';
6 import Button from '../src/components/Button';
7 import Swal from 'sweetalert2';
8 import { useNavigate } from 'react-router-dom';
9
10 function DataPeserta() {
11   const [peserta, setPeserta] = useState([]);
12   const [loading, setLoading] = useState(true);
13   const [user] = useContext(AuthContext);
14   const navigate = useNavigate();
15
16   useEffect(() => {
17     fetchData();
18   }, []);
19
20   const fetchData = async () => {
21     setLoading(true);
22     try {
23       const res = await axios.get(`${baseurl}/peserta`);
24       const dataWithId = res.data.data.map((item, index) => ({
25         ...item,
26         id: index + 1,
27       }));
28       setPeserta(dataWithId);
29     } catch (err) {
30       console.error(err);
31     }
32     setLoading(false);
33   };
34
35   const handleDelete = async (peserta) => {
36     const konfirmasi = confirm(`Hapus ${peserta.name}?`);
37     if (!konfirmasi) return;
38     try {
39       await axios.delete(`${baseurl}/peserta/${peserta.id}`, {
40         headers: { Authorization: `Bearer ${user.accessToken}` },
41       });
42       Swal.fire("Berhasil", "Peserta telah dihapus", "success");
43     } catch (err) {
44       alert("Gagal menghapus data");
45     }
46   };
47 }
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```

```
File Edit Selection View Go Run Terminal Help ↻ Mengimplementasikan-User-Interface [Administrator] ⌂

DataPeserta.jsx X
JobSheet > us-react-tailwind > src > pages > peserta > DataPeserta.jsx > DataPeserta
10 function DataPeserta() {
11   const columns = [
12     { header: 'No', accessor: 'no' },
13     { header: 'Nama', accessor: 'name' },
14     { header: 'Status', accessor: 'status' },
15     {
16       header: 'Aksi',
17       accessor: 'actions',
18       render: (row) => (
19         <div className="flex gap-2">
20           <Button variant="secondary" onClick={() => navigate('/peserta/view/' + row.id)}>View</Button>
21           <Button variant="success" onClick={() => navigate('/peserta/edit/' + row.id)}>Edit</Button>
22           <Button variant="danger" onClick={() => handleDelete(row)}>Hapus</Button>
23         </div>
24       ),
25     },
26   ];
27
28   return (
29     <div>
30       <h2 className="text-2xl font-semibold mb-4 text-blue-700">Data Peserta</h2>
31       <div className="mb-4">
32         <button onClick={() => navigate('/peserta/tambah')}>Tambah Peserta</button>
33       </div>
34       {loading ? <p>Loading...</p> : <Table columns={columns} data={peserta} />}
35     </div>
36   );
37 }
38
39
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41
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45
46
47
48
49
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```

- peserta/FormPeserta.jsx



# BBPVP dan BPVP

## Direktorat Jenderal Pembinaan Pelatihan Vokasi dan Produktivitas Kementerian Ketenagakerjaan R.I

### - Smart Creative Skills -

```
File Edit Selection View Go Run Terminal Help Meningkatkan User Interface [Administrasi]
```

```
FormPeserta.jsx | 1  import { useParams, useNavigate, useLocation } from "react-router-dom";
2  import { useEffect, useState, useContext } from "react";
3  import axios from "axios";
4  import { basenl } from "../../config/Constants";
5  import { AuthContext } from "../../context/AuthContext";
6  import Form from "../../components/Form";
7  import Swal from "sweetalert2";
8
9  function FormPeserta() {
10  const { id } = useParams();
11  const navigate = useNavigate();
12  const location = useLocation();
13  const { user } = useContext(AuthContext);
14
15  const [data, setData] = useState(null);
16  const [mode, setMode] = useState("create");
17
18  useEffect(() => {
19    if (location.pathname.includes("/view")) {
20      setMode("view");
21    } else if (id) {
22      setMode("edit");
23    } else {
24      setMode("create");
25    }
26
27    if (id) {
28      fetchPeserta();
29    }
30  }, [id, location.pathname]);
31
32  const fetchPeserta = async () => {
33    try {
34      const res = await axios.get(`${basenl}/peserta/${id}`);
35      setData(res.data.data);
36    } catch (err) {
37      Swal.fire("Gagal", "Data tidak ditemukan", "error");
38      navigate("/peserta");
39    }
40  };
41
42  const handleSubmit = async (formData) => {
43    try {
44      if (mode === "edit") {
45        await axios.put(`${basenl}/peserta/${id}`, formData, {
46          headers: { Authorization: `Bearer ${user.accessToken}` },
47        });
48      } else {
49        ...
50      }
51    } catch (err) {
52      ...
53    }
54
55    Swal.fire("Sukses", "Data berhasil disimpan", "success");
56    navigate("/peserta");
57  } catch (err) {
58    Swal.fire("Gagal", err?.response?.data?.message || "Error", "error");
59  }
60
61  return (
62    <div className="p-6">
63      <Form
64        data={data}
65        mode={mode}
66        onSubmit={handleSubmit}
67        onClose={() => navigate("/peserta")}
68      />
69    </div>
70  );
71}
72
73 export default FormPeserta;
```

```
File Edit Selection View Go Run Terminal Help Meningkatkan User Interface [Administrasi]
```

```
FormPeserta.jsx | 1  import { useParams, useNavigate, useLocation } from "react-router-dom";
2  import { useEffect, useState, useContext } from "react";
3  import axios from "axios";
4  import { basenl } from "../../config/Constants";
5  import { AuthContext } from "../../context/AuthContext";
6  import Form from "../../components/Form";
7  import Swal from "sweetalert2";
8
9  function FormPeserta() {
10  const { id } = useParams();
11  const handleSubmit = async (formData) => {
12    const res = await axios.post(`${basenl}/peserta`, formData, {
13      headers: { Authorization: `Bearer ${user.accessToken}` },
14    });
15
16    Swal.fire("Sukses", "Data berhasil disimpan", "success");
17    navigate("/peserta");
18  } catch (err) {
19    Swal.fire("Gagal", err?.response?.data?.message || "Error", "error");
20  }
21
22  return (
23    <div className="p-6">
24      <Form
25        data={data}
26        mode={mode}
27        onSubmit={handleSubmit}
28        onClose={() => navigate("/peserta")}
29      />
30    </div>
31  );
32}
33
34 export default FormPeserta;
```

#### 8. Buat komponen di folder src/components/:

- Button.jsx



# BBPVP dan BPVP

## Direktorat Jenderal Pembinaan Pelatihan Vokasi dan Produktivitas

### Kementerian Ketenagakerjaan R.I

- Smart Creative Skills -

```
File Edit Selection View Go Run Terminal Help
Button.js > ui-react-tailwind > src > components > Button.js > Button
1  function Button({ children, type = 'button', onClick, variant = 'primary' }) {
2    const base = 'font-semibold py-2 px-4 rounded-md transition w-full';
3
4    const variants = {
5      primary: 'bg-blue-600 text-white hover:bg-blue-700',
6      secondary: 'bg-gray-600 text-white hover:bg-gray-700',
7      danger: 'bg-red-600 text-white hover:bg-red-700',
8      success: 'bg-green-600 text-white hover:bg-green-700',
9    };
10
11   return (
12     <button
13       type={type}
14       onClick={onClick}
15       className={`${base} ${variants[variant] || variants.primary}`}
16     >
17       {children}
18     </button>
19   );
20 }
21
22 export default Button;
23
```

- Footer.jsx

```
File Edit Selection View Go Run Terminal Help
Footer.js > ui-react-tailwind > src > components > Footer.js > Footer
1  function Footer() {
2    return [
3      <footer className="bg-blue-600 text-white mt-12">
4        <div className="max-w-7xl mx-auto px-4 py-6 text-center">
5          <p className="text-sm">
6            ©{new Date().getFullYear()} Job Sheet. All rights reserved.
7          </p>
8        </div>
9      </footer>
10    ];
11
12
13
14  export default Footer;
15
```

- Form.jsx



# BBPVP dan BPVP

## Direktorat Jenderal Pembinaan Pelatihan Vokasi dan Produktivitas Kementerian Ketenagakerjaan R.I

### - Smart Creative Skills -

The image shows two side-by-side screenshots of a code editor, likely VS Code, displaying the same file 'Form.jsx' at different stages of development. Both screenshots show the code in a browser-based terminal window titled 'Mengimplementasikan User Interface [Administrator]'. The code is written in JSX and uses React hooks like useState, useEffect, and useContext.

**Top Screenshot (Line 1 to Line 48):**

```
File Edit Selection View Go Run Terminal Help
Form.jsx M ✘ Mengimplementasikan User Interface [Administrator]
JobSheet > ui-react-tutorial > components > Form.jsx ...
1 import { useEffect, useState } from "react";
2 import { useNavigate, useParams } from "react-router-dom";
3 import Input from "./Input";
4 import Button from "./Button";
5 import axios from "axios";
6 import { baseUrl } from "../config/constants";
7 import { useContext } from "react";
8 import { AuthContext } from "../context/AuthContext";
9 import Swal from "sweetalert2";
10
11 function Form({ mode = "create" }) {
12   const [form, setForm] = useState({ name: "", status: "aktif" });
13   const { id } = useParams();
14   const navigate = useNavigate();
15   const { user } = useContext(AuthContext);
16
17   const isReadOnly = mode === "view";
18
19   const title =
20     mode === "create"
21       ? "Tambah Peserta"
22     : mode === "edit"
23       ? "Edit Peserta"
24     : "Detail Peserta";
25
26   useEffect(() => {
27     if ((mode === "edit" || mode === "view") && id) {
28       axios
29         .get(`${baseUrl}/peserta/${id}`)
30         .then(res) => {
31           const [name, status] = res.data.data;
32           setForm({ name, status });
33         }
34       .catch(e) => {
35         Swal.fire("Error", "Gagal mengambil data", "error");
36         navigate("/peserta");
37       };
38     }
39   }, [id, mode, navigate]);
40
41   const handleChange = (e) => {
42     setForm({ ...form, [e.target.name]: e.target.value });
43   };
44
45   const handleSubmit = async (e) => {
46     e.preventDefault();
47     try {
48       if (mode === "create") {
49         await axios.post(`${baseUrl}/peserta`, form, {
50           headers: { Authorization: `Bearer ${user.accessToken}` },
51         });
52       } else if (mode === "edit" && id) {
53         await axios.put(`${baseUrl}/peserta/${id}`, form, {
54           headers: { Authorization: `Bearer ${user.accessToken}` },
55         });
56       }
57       Swal.fire("Berhasil", "Data peserta disimpan", "success");
58       navigate("/peserta");
59     } catch (err) {
60       Swal.fire("Gagal", err.response?.data?.message || "Terjadi kesalahan", "error");
61     }
62   };
63
64   return (
65     <div className="p-6 max-w-xl mx-auto">
66       <div className="text-xl font-semibold text-blue-700 mb-4">{title}</div>
67       <form onSubmit={handleSubmit} className="flex flex-col gap-4">
68         <Input
69           name="name"
70           value={form.name}
71           onChange={handleChange}
72           placeholder="Nama Peserta"
73           required
74           readOnly={isReadOnly}
75         />
76         <select
77           name="status"
78           value={form.status}
79           onChange={handleChange}
80           disabled={isReadOnly}
81           className="p-2 border rounded">
82             <option value="aktif">Aktif</option>
83             <option value="nonaktif">Nonaktif</option>
84           </select>
85         </div>
86         <div className="flex gap-2 justify-end">
87           {!isReadOnly && (
88             <Button type="submit" variant="primary">
89               Simpan
90             </Button>
91           )}
92           <Button type="button" variant="secondary" onClick={() => navigate("/peserta")}>
93             Batal
94           </Button>
95         </div>
96       </form>
97     </div>
98   );
99 }
```

**Bottom Screenshot (Line 49 to Line 98):**

```
File Edit Selection View Go Run Terminal Help
Form.jsx M ✘ Mengimplementasikan User Interface [Administrator]
JobSheet > ui-react-tutorial > components > Form.jsx ...
49 function Form({ mode = "create" }) {
50   const handleSubmit = async (e) => {
51     e.preventDefault();
52     try {
53       if (mode === "create") {
54         await axios.post(`${baseUrl}/peserta`, form, {
55           headers: { Authorization: `Bearer ${user.accessToken}` },
56         });
57       } else if (mode === "edit" && id) {
58         await axios.put(`${baseUrl}/peserta/${id}`, form, {
59           headers: { Authorization: `Bearer ${user.accessToken}` },
60         });
61       }
62       Swal.fire("Berhasil", "Data peserta disimpan", "success");
63       navigate("/peserta");
64     } catch (err) {
65       Swal.fire("Gagal", err.response?.data?.message || "Terjadi kesalahan", "error");
66     }
67   };
68
69   return (
70     <div className="p-6 max-w-xl mx-auto">
71       <div className="text-xl font-semibold text-blue-700 mb-4">{title}</div>
72       <form onSubmit={handleSubmit} className="flex flex-col gap-4">
73         <Input
74           name="name"
75           value={form.name}
76           onChange={handleChange}
77           placeholder="Nama Peserta"
78           required
79           readOnly={isReadOnly}
80         />
81         <select
82           name="status"
83           value={form.status}
84           onChange={handleChange}
85           disabled={isReadOnly}
86           className="p-2 border rounded">
87             <option value="aktif">Aktif</option>
88             <option value="nonaktif">Nonaktif</option>
89           </select>
90         </div>
91         <div className="flex gap-2 justify-end">
92           {!isReadOnly && (
93             <Button type="submit" variant="primary">
94               Simpan
95             </Button>
96           )}
97           <Button type="button" variant="secondary" onClick={() => navigate("/peserta")}>
98             Batal
99           </Button>
100         </div>
101       </form>
102     </div>
103   );
104 }
```



# BBPVP dan BPVP

## Direktorat Jenderal Pembinaan Pelatihan Vokasi dan Produktivitas Kementerian Ketenagakerjaan R.I

### - Smart Creative Skills -

- Input.jsx
- Layout.jsx

```
Form.jsx M ×
JobSheet > ui-react-tailwind > src > components > Form.jsx > ...
11  function Form({ mode = "create" }) {
12    return (
13      <div>
14        <h2>{mode === "create" ? "Tambah" : "Kembalikan"!</h2>
15        <form>
16          <div>
17            <input type="text" name="name" value={name} placeholder="Nama" required="required" onChange={onChange} />
18            <input type="text" name="email" value={email} placeholder="Email" required="required" onChange={onChange} />
19            <input type="text" name="password" value={password} placeholder="Password" required="required" onChange={onChange} />
20            <input type="text" name="alamat" value={alamat} placeholder="Alamat" required="required" onChange={onChange} />
21            <input type="text" name="telepon" value={telepon} placeholder="Telepon" required="required" onChange={onChange} />
22            <div>
23              <input type="button" value="Simpan" />
24              <input type="button" value="Batal" />
25            </div>
26          </div>
27        </form>
28      </div>
29    );
30  }
31
32  export default Form;
```

```
Input.jsx M ×
JobSheet > ui-react-tailwind > src > components > Input.jsx > ...
1  function Input({ name, value, onChange, placeholder, required, readOnly }) {
2    return (
3      <input
4        type="text"
5        name={name}
6        value={value}
7        onChange={onChange}
8        placeholder={placeholder}
9        required={required}
10       readOnly={readOnly}
11       className={`p-2 border rounded w-full ${readOnly ? 'bg-gray-100 text-gray-500' : ''}`}
12     />
13   );
14 }
15
16 export default Input;
```



# BBPVP dan BPVP

## Direktorat Jenderal Pembinaan Pelatihan Vokasi dan Produktivitas Kementerian Ketenagakerjaan R.I

### - Smart Creative Skills -

```
File Edit Selection View Go Run Terminal Help
Layout.jsx X
JobSheet > ui-react-tailwind > src > components > Layoutjsx > ...
1  function Layout({ children }) {
2    return (
3      <div>
4        <main className="flex-1 p-6 w-full max-w-6xl mx-auto min-h-screen">
5          {children}
6        </main>
7      </div>
8    );
9  }
10
11 export default Layout;
12
```

- Navabr.jsx

```
File Edit Selection View Go Run Terminal Help
Layout.jsx M X
JobSheet > ui-react-tailwind > src > components > Navabrjsx > Navbar
1 import { useContext, useState } from "react";
2 import { Link } from "react-router-dom";
3 import { AuthContext } from "./context/AuthContext";
4 import { Menu } from "lucide-react";
5
6 function Navbar() {
7   const { user, setUser } = useContext(AuthContext);
8   const [menuOpen, setMenuOpen] = useState(false);
9
10  const handleLogout = () => {
11    localStorage.removeItem("user");
12    setUser(null);
13    setMenuOpen(false);
14  };
15
16  return (
17    <nav className="sticky top-0 bg-blue-600 text-white shadow-md w-full">
18      <div className="max-w-7xl mx-auto px-4 py-3 flex justify-between items-center">
19        <h1 className="font-bold text-lg">Job Sheet</h1>
20
21        <button className="lg:hidden" onClick={() => setMenuOpen(!menuOpen)}>
22          {menuOpen ? <Fa size={24} /> : <Fa size={24} />}
23        </button>
24
25        <ul className="hidden lg:flex gap-6 items-center">
26          <li><Link to="/" className="hover:underline">Beranda</Link></li>
27          <li><Link to="/peserta" className="hover:underline">Data Peserta</Link></li>
28          {user === null ? (
29            <li><Link to="/login" className="hover:underline">Login</Link></li>
30            <li><Link to="/register" className="hover:underline">Register</Link></li>
31          ) : (
32            <li><span className="font-medium">{user.email}</span></li>
33            <li><button onClick={handleLogout} className="hover:underline">Logout</button></li>
34          )
35        )
36      </ul>
37    </div>
38  );
39}
40
41 </div>
42
43 <div className="lg:hidden px-4 pb-4">
44   <ul className="flex flex-col gap-3">
45     <li><Link to="/" onClick={() => setMenuOpen(false)} className="hover:underline">Beranda</Link></li>
46     <li><Link to="/peserta" onClick={() => setMenuOpen(false)} className="hover:underline">Data Peserta</Link></li>
47     {user === null ? (
48       <li><Link to="/login" className="hover:underline">Login</Link></li>
49     ) : (
50       <li><span className="font-medium">{user.email}</span></li>
51       <li><button onClick={handleLogout} className="hover:underline">Logout</button></li>
52     )
53   </ul>
54 </div>
55
```



# BBPVP dan BPVP

## Direktorat Jenderal Pembinaan Pelatihan Vokasi dan Produktivitas Kementerian Ketenagakerjaan R.I

### - Smart Creative Skills -

```
File Edit Selection View Go Run Terminal Help
Layout.jsx M ✘ Navbar.jsx M ✘
jobsheet > ui-react-tailwind > src > components > Navbar.jsx > Navbar
function Navbar() {
  return (
    <div>
      <ul>
        <li><span>{user_email}</span></li>
        <li><button onClick={handleLogout}>Logout</button></li>
      </ul>
    </div>
  );
}
export default Navbar;
```

- Table.jsx

```
File Edit Selection View Go Run Terminal Help
Table.jsx M ✘
jobsheet > ui-react-tailwind > src > components > Table.jsx > Table
function Table({ columns, data }) {
  return (
    <div>
      <table>
        <thead>
          <tr>
            {columns.map((col, idx) => (
              <th key={idx} className="px-4 py-2 font-semibold">{col.header}</th>
            ))
          }
        </thead>
        <tbody>
          {data.length === 0 ? (
            <tr>
              <td colSpan={columns.length} className="text-center p-4 text-gray-500">Tidak ada data</td>
            </tr>
          ) : (
            data.map((row, rowIndex) => (
              <tr key={rowIndex} className={rowIndex % 2 === 0 ? 'bg-white' : 'bg-gray-50'}>
                {columns.map((col, colIndex) => (
                  <td key={colIndex} className="px-4 py-2 border-t border-gray-100">
                    {col.accessor === 'actions' ? col.accessor + ' actions' : col.render(row)}
                    : row[col.accessor]
                  </td>
                ))
              </tr>
            ))
          )}
        </tbody>
      </table>
    </div>
  );
}
export default Table;
```

9. Buat file Index.jsx dalam folder src/routes:



# BBPVP dan BPVP

## Direktorat Jenderal Pembinaan Pelatihan Vokasi dan Produktivitas

### Kementerian Ketenagakerjaan R.I

#### - Smart Creative Skills -

The screenshot shows a code editor with two tabs of the same file, "App.js". Both tabs are titled "index.js M" and show the same code content. The code is a React application setup:

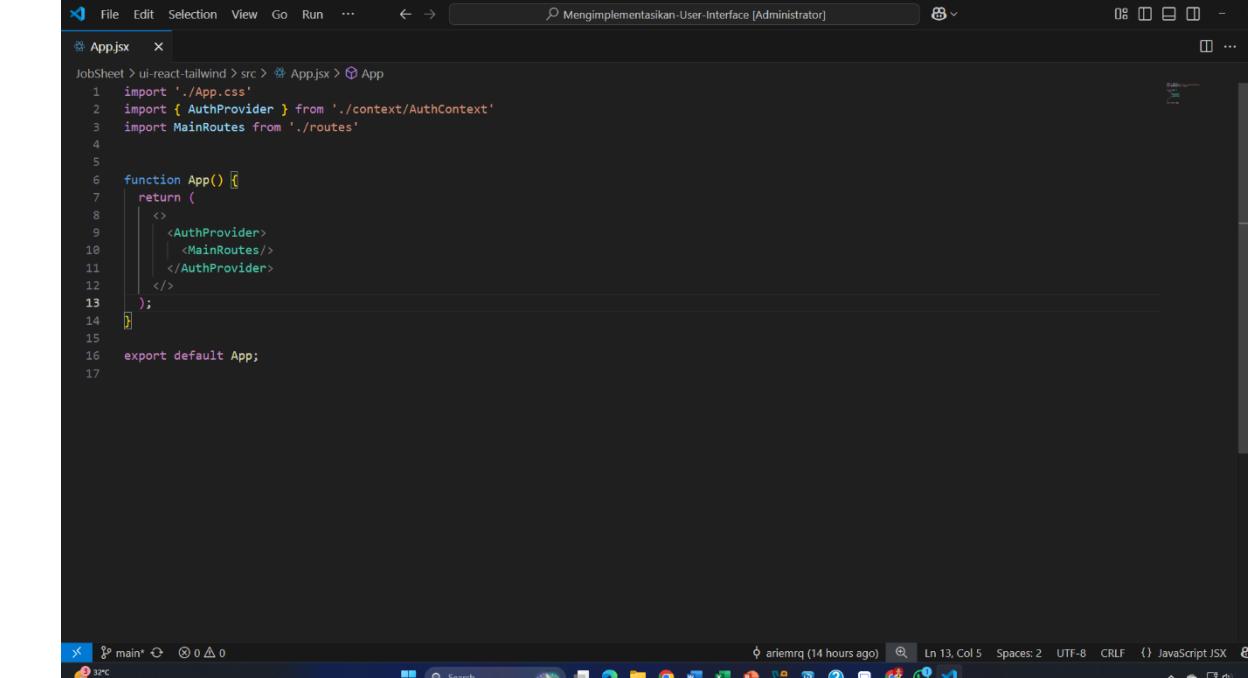
```
JobSheet > ui-react-boilerplate > src > routes > index.jsx -->
1 import { useState } from 'react';
2 import { BrowserRouter, Routes, Route, Navigate, Link } from 'react-router-dom';
3 import { AuthContext } from './context/AuthContext';
4 import Navbar from './components/Navbar';
5 import DataPeserta from './pages/peserta/DataPeserta';
6 import FormPeserta from './pages/peserta/FormPeserta';
7 import Home from './pages/home';
8 import Registration from './pages/peserta/Register';
9 import Login from './pages/peserta/Login';
10 import Layout from './components/Layout';
11 import Footer from './components/Footer';
12
13
14, export default function App() {
15   const [user] = useState(AuthContext);
16
17   const LoginRoute = ({children})=>{
18     if (user === null){
19       return children
20     }else{
21       return <Navigate to="/" />
22     }
23   }
24
25   const PrivateRoute = ({children})=>{
26     if (user === null){
27       return <Navigate to="/login" />
28     }else{
29       return children
30     }
31   }
32
33   return (
34     <BrowserRouter>
35       <Navbar />
36       <Layout>
37         <Routes>
38           <Route path="/" element={<Home />} />
39           <Route path="/peserta" element={<DataPeserta />} />
40           <Route path="/peserta/tambah" element={<PrivateRoute><FormPeserta mode="create" /></PrivateRoute>} />
41           <Route path="/peserta/edit/:id" element={<PrivateRoute><FormPeserta mode="edit" /></PrivateRoute>} />
42           <Route path="/peserta/view/:id" element={<PrivateRoute><FormPeserta mode="view" /></PrivateRoute>} />
43           <Route path="/register" element={<LoginRoute><Register /></LoginRoute>} />
44           <Route path="/login" element={<LoginRoute><Login /></LoginRoute>} />
45           <Route path="*" element={<NoMatch />} />
46         </Routes>
47       </Layout>
48     </BrowserRouter>
49   )
50 }
51
52 function NoMatch() {
53   return (
54     <div>
55       <h2>Nothing to see here!</h2>
56       <p>
57         <a href="/">Go to the home page</a>
58       </p>
59     </div>
60   );
61 }
62
```

The status bar at the bottom of the code editor indicates the file is 14 hours old, has 9 lines of code, 36 spaces, and is in UTF-8 format.

10. Setup routing di App.jsx:

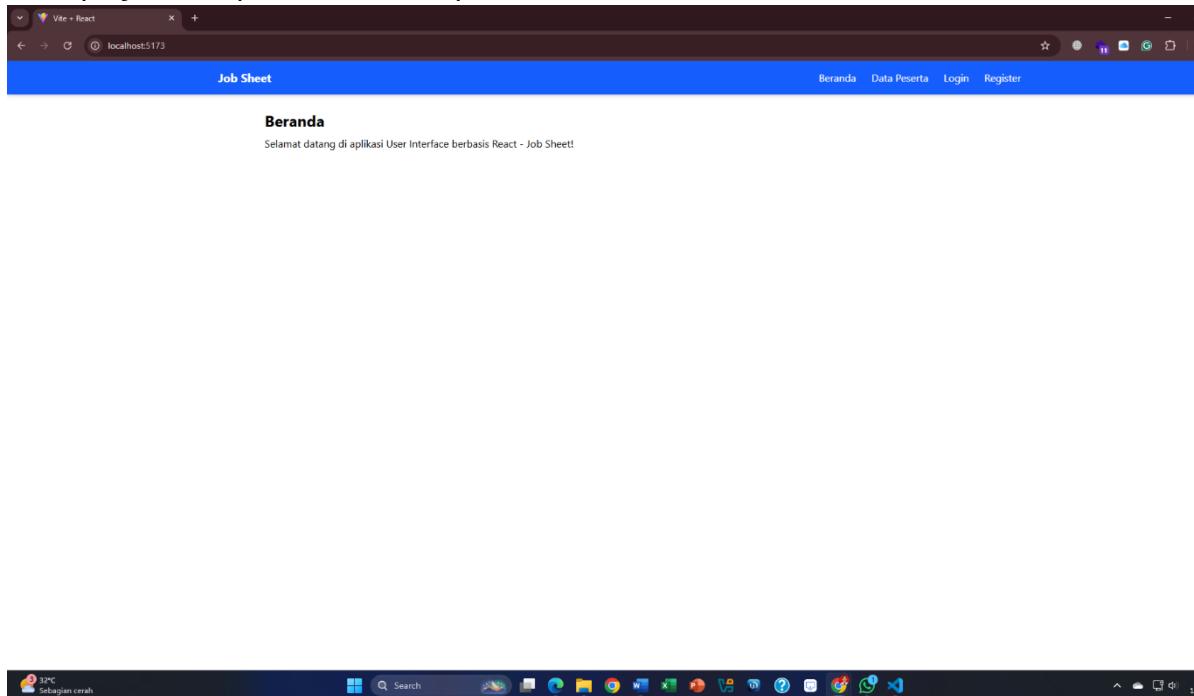


**BBPVP dan BPVP**  
**Direktorat Jenderal Pembinaan Pelatihan Vokasi dan Produktivitas**  
**Kementerian Ketenagakerjaan R.I**  
- Smart Creative Skills -



```
JobSheet > ui-react-tailwind > src > App.jsx > App
1 import './App.css'
2 import { AuthProvider } from './context/AuthContext'
3 import MainRoutes from './routes'
4
5 function App() {
6   return (
7     <>
8     | <AuthProvider>
9     | | <MainRoutes/>
10    | </AuthProvider>
11   </>
12 );
13
14
15
16 export default App;
17
```

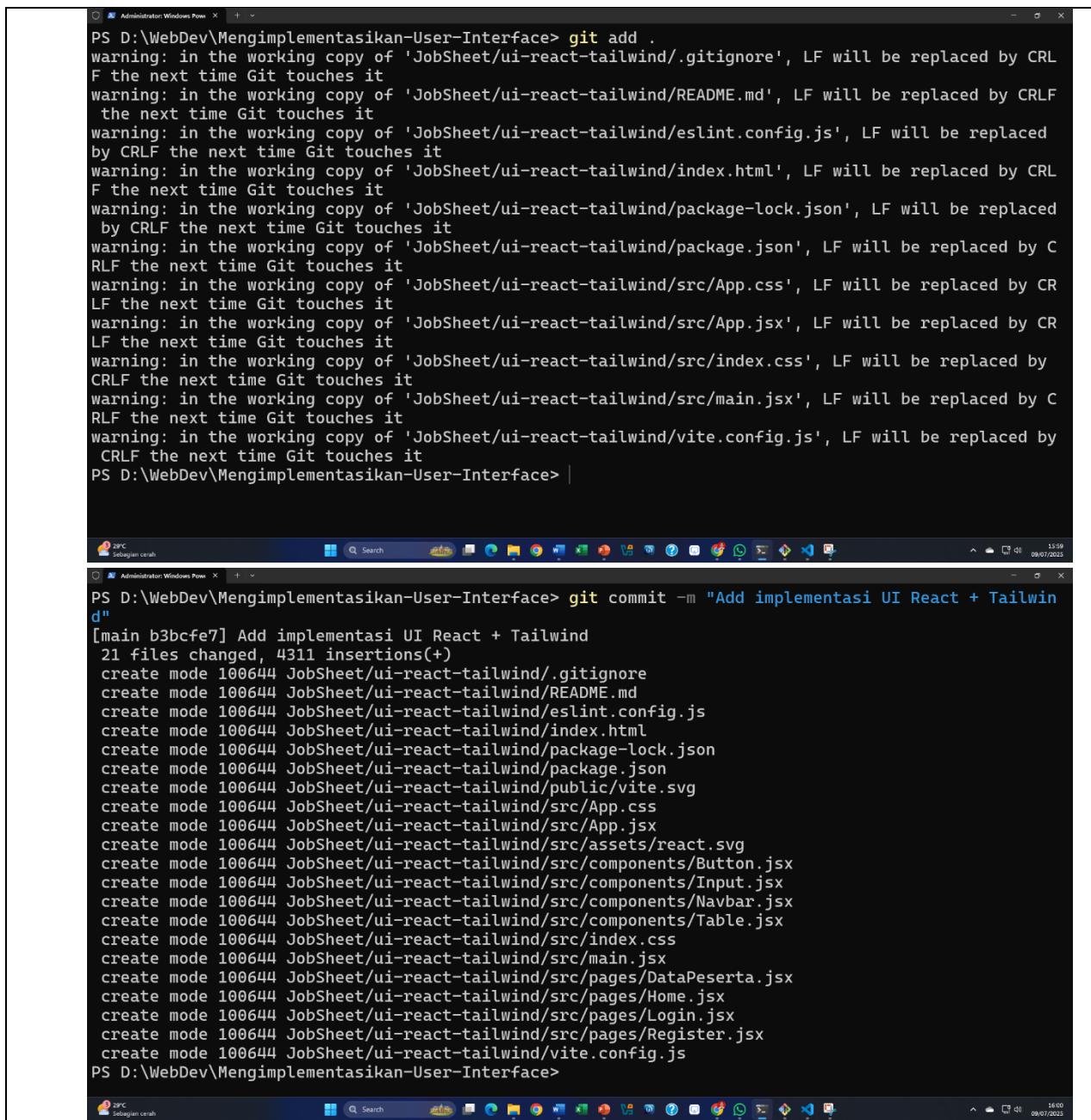
11. Buka project dan periksa hasil tampilan:



12. Update repository Github:



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- Smart Creative Skills -



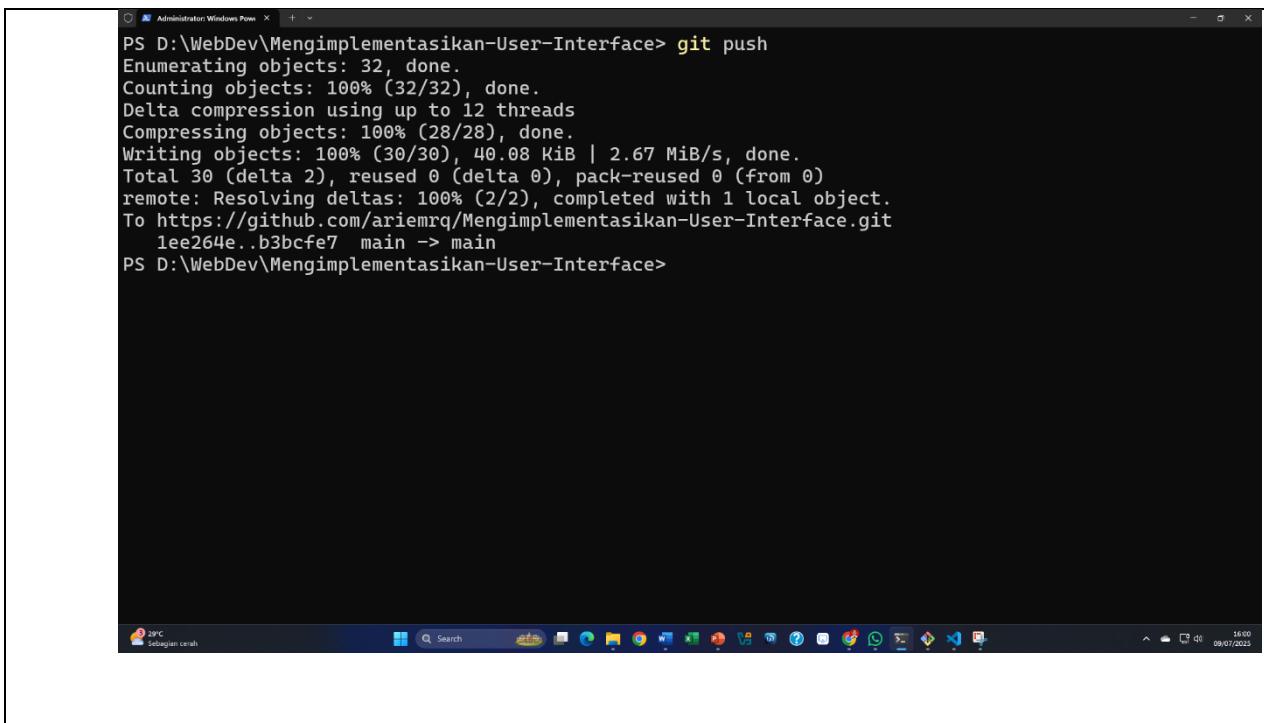
```
PS D:\WebDev\Mengimplementasikan-User-Interface> git add .
warning: in the working copy of 'JobSheet/ui-react-tailwind/.gitignore', LF will be replaced by CRL
F the next time Git touches it
warning: in the working copy of 'JobSheet/ui-react-tailwind/README.md', LF will be replaced by CRLF
the next time Git touches it
warning: in the working copy of 'JobSheet/ui-react-tailwind/eslint.config.js', LF will be replaced
by CRLF the next time Git touches it
warning: in the working copy of 'JobSheet/ui-react-tailwind/index.html', LF will be replaced by CRL
F the next time Git touches it
warning: in the working copy of 'JobSheet/ui-react-tailwind/package-lock.json', LF will be replaced
by CRLF the next time Git touches it
warning: in the working copy of 'JobSheet/ui-react-tailwind/package.json', LF will be replaced by C
RLF the next time Git touches it
warning: in the working copy of 'JobSheet/ui-react-tailwind/src/App.css', LF will be replaced by CR
LF the next time Git touches it
warning: in the working copy of 'JobSheet/ui-react-tailwind/src/App.jsx', LF will be replaced by CR
LF the next time Git touches it
warning: in the working copy of 'JobSheet/ui-react-tailwind/src/index.css', LF will be replaced by C
RLF the next time Git touches it
warning: in the working copy of 'JobSheet/ui-react-tailwind/src/main.jsx', LF will be replaced by C
RLF the next time Git touches it
warning: in the working copy of 'JobSheet/ui-react-tailwind/vite.config.js', LF will be replaced by
CRLF the next time Git touches it
PS D:\WebDev\Mengimplementasikan-User-Interface> |
```

```
PS D:\WebDev\Mengimplementasikan-User-Interface> git commit -m "Add implementasi UI React + Tailwind"
[main b3bcfe7] Add implementasi UI React + Tailwind
 21 files changed, 4311 insertions(+)
 create mode 100644 JobSheet/ui-react-tailwind/.gitignore
 create mode 100644 JobSheet/ui-react-tailwind/README.md
 create mode 100644 JobSheet/ui-react-tailwind/eslint.config.js
 create mode 100644 JobSheet/ui-react-tailwind/index.html
 create mode 100644 JobSheet/ui-react-tailwind/package-lock.json
 create mode 100644 JobSheet/ui-react-tailwind/package.json
 create mode 100644 JobSheet/ui-react-tailwind/public/vite.svg
 create mode 100644 JobSheet/ui-react-tailwind/src/App.css
 create mode 100644 JobSheet/ui-react-tailwind/src/App.jsx
 create mode 100644 JobSheet/ui-react-tailwind/src/assets/react.svg
 create mode 100644 JobSheet/ui-react-tailwind/src/components/Button.jsx
 create mode 100644 JobSheet/ui-react-tailwind/src/components/Input.jsx
 create mode 100644 JobSheet/ui-react-tailwind/src/components/Navbar.jsx
 create mode 100644 JobSheet/ui-react-tailwind/src/components/Table.jsx
 create mode 100644 JobSheet/ui-react-tailwind/src/index.css
 create mode 100644 JobSheet/ui-react-tailwind/src/main.jsx
 create mode 100644 JobSheet/ui-react-tailwind/src/pages/DataPeserta.jsx
 create mode 100644 JobSheet/ui-react-tailwind/src/pages/Home.jsx
 create mode 100644 JobSheet/ui-react-tailwind/src/pages/Login.jsx
 create mode 100644 JobSheet/ui-react-tailwind/src/pages/Register.jsx
 create mode 100644 JobSheet/ui-react-tailwind/vite.config.js
PS D:\WebDev\Mengimplementasikan-User-Interface>
```



**BBPVP dan BPVP**  
**Direktorat Jenderal Pembinaan Pelatihan Vokasi dan Produktivitas**  
**Kementerian Ketenagakerjaan R.I**  
- Smart Creative Skills -



```
Administrator: Windows PowerShell D:\WebDev\Mengimplementasikan-User-Interface> git push
Enumerating objects: 32, done.
Counting objects: 100% (32/32), done.
Delta compression using up to 12 threads
Compressing objects: 100% (28/28), done.
Writing objects: 100% (30/30), 40.08 KiB | 2.67 MiB/s, done.
Total 30 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/ariemrq/Mengimplementasikan-User-Interface.git
  1ee264e..b3bcfe7 main -> main
PS D:\WebDev\Mengimplementasikan-User-Interface>
```