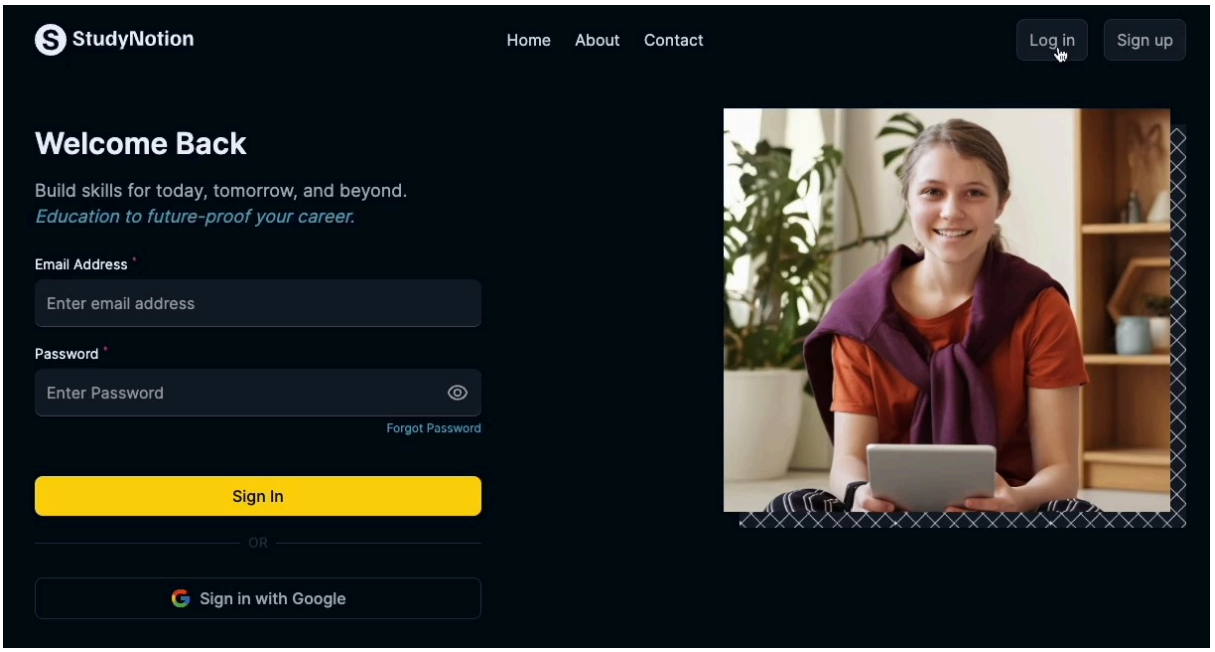
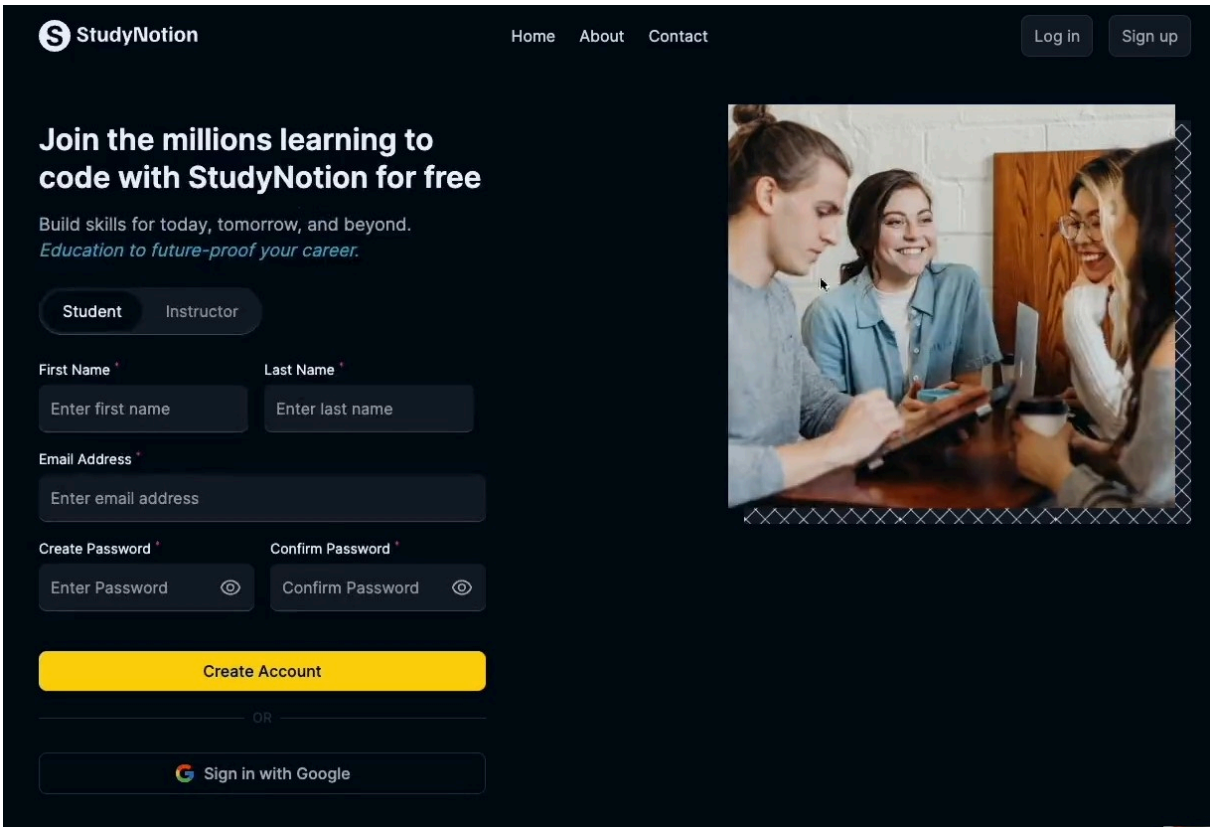
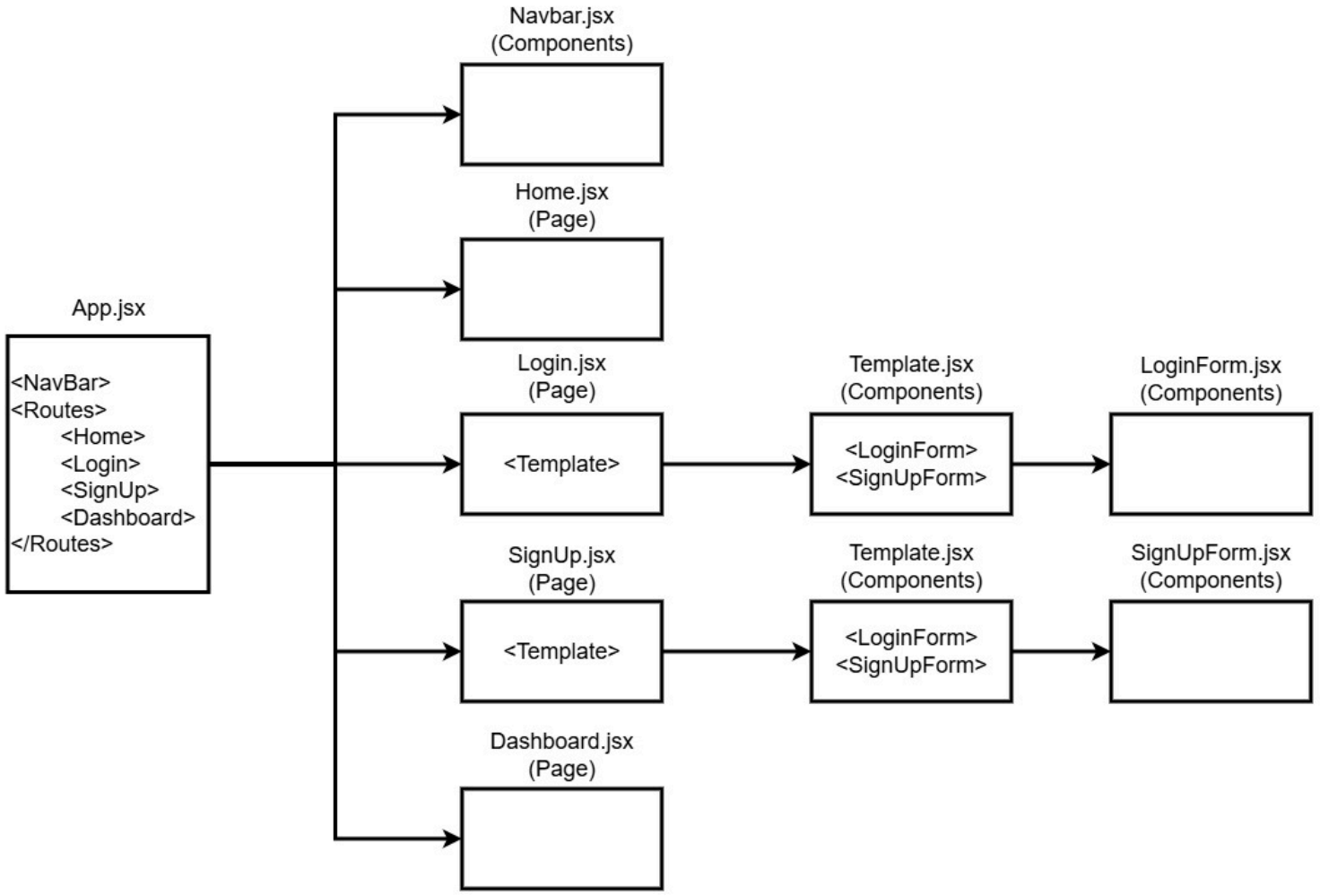
React Intermediate (Lecture - 3 & 4)

[Study-Notion Project]






Navbar.jsx
(Components)
Home.jsx
(Page)
App.jsx
<NavBar>
<Routes>
<Home>
<Login>
<SignUp>
<Dashboard>
</Routes>
Login.jsx
(Page)
<Template>
Template.jsx
(Components)
<LoginForm>
<SignUpForm>
LoginForm.jsx
(Components)
SignUp.jsx
(Page)
<Template>
Template.jsx
(Components)
<LoginForm>
<SignUpForm>
SignUpForm.jsx
(Components)
Dashboard.jsx
(Page)

App.jsx

```
import { useState } from 'react'
import './App.css'
import { Navbar } from "./components/Navbar"
import { Routes, Route } from "react-router"
import { Home } from "./pages/Home"
import { Login } from "./pages/Login"
import { SignUp } from './pages/SignUp'
import { Dashboard } from './pages/Dashboard'
import { PrivateRoute } from "./components/PrivateRoute"


function App() {
 const [isLoggedIn, setIsLoggedIn] = useState(false);

 return (
  <div className='w-screen h-screen bg-[#000A13] flex flex-col'>
   <Navbar isLoggedIn={isLoggedIn} setIsLoggedIn={setIsLoggedIn}></Navbar>
   <Routes>
    <Route path="/" element={<Home isLoggedIn={isLoggedIn}></Home>}></Route>
    <Route path="/login" element={<Login setIsLoggedIn={setIsLoggedIn}></Login>}></Route>
    <Route path="/signup" element={<SignUp setIsLoggedIn={setIsLoggedIn}></SignUp>}></Route
>
    <Route path="/dashboard" element={
     <PrivateRoute isLoggedIn={isLoggedIn}>
      <Dashboard></Dashboard>
     </PrivateRoute>
    }></Route>
   </Routes>
  </div>
 )
}

export default App
```

Navbar.jsx (Components)

```
import React from 'react'
import { Link } from 'react-router'
import logo from '../assets/Logo.svg'
import { toast } from 'react-toastify'

export const Navbar = (props) => {
 let isLoggedIn = props.isLoggedIn;
 let setIsLoggedIn = props.setIsLoggedIn;
 return (
  <div className='flex justify-between items-center py-4 w-11/12 max-w-[1160px] mx-auto'>
   <Link to="/">
    <img src={logo} alt='Logo' width={160} height={32} loading='lazy'></img>
```

```
    </Link>

    <nav>
     <ul className="text-white flex gap-x-6">
      <li> <Link to='/'>Home</Link> </li>
      <li> <Link to='/'>About</Link> </li>
      <li> <Link to='/'>Contact</Link> </li>
     </ul>
    </nav>

    {/* Login SignUp Logout Dashboard */}

    <div className='flex items-center gap-x-4'>
     {!isLoggedIn &&
      <Link to="/login">
       <button className='bg-[#000A13] text-white py-1 px-3 rounded-lg border border-[#b4c6d
6]'>
        Login
       </button>
      </Link>
     }
     {!isLoggedIn &&
      <Link to="/signup">
       <button className='bg-[#000A13] text-white py-1 px-3 rounded-lg border border-[#b4c6d
6]'>
        Sign Up
       </button>
      </Link>
     }
     {isLoggedIn &&
      <Link to="/">
       <button onClick={() => {
        setIsLoggedIn(false);
        toast.success("Logged Out");
       }}
        className='bg-[#000A13] text-white py-1 px-3 rounded-lg border border-[#b4c6d6]'
       >
        Log Out
       </button>
      </Link>
     }
     {isLoggedIn &&
      <Link to="/dashboard">
       <button className='bg-[#000A13] text-white py-1 px-3 rounded-lg border border-[#b4c6d
6]'>
        Dashboard
       </button>
      </Link>
     }
    </div>
```

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

Home.jsx (Page)

```
import React from 'react'

export const Home = ({isLoggedIn}) => {
  return (
    <div className='h-full flex justify-center items-center text-white text-3xl'>
      Home
    </div>
  )
}
```

Login.jsx (Page)

```
import React from 'react'
import { Template } from '../components/Template'
import loginImg from "../assets/login.png"

export const Login = ({ setIsLoggedIn }) => {
  return (
    <Template
      title="Welcome Back"
      desc1="Build skills for today, tomorrow, and beyond."
      desc2="Education to future-proof your career."
      image={loginImg}
      formType="login"
      setIsLoggedIn={setIsLoggedIn}>
    </Template>
  )
}
```

SignUp.jsx (Page)

```
import React from 'react'
import signupImg from "../assets/signup.png"
import { Template } from '../components/Template'

export const SignUp = ({ setIsLoggedIn }) => {
  return (
    <Template
      title="Join the millions learning to code with StudyNotion for free"
      desc1="Build skills for today, tomorrow, and beyond."
      desc2="Education to future-proof your career."
      image={signupImg}
      formType="signup"
```

```
      setIsLoggedIn={setIsLoggedIn}>
    </Template>
  )
}
```

Dashboard.jsx (Page)

```
import React from 'react'

export const Dashboard = () => {
  return (
    <div className='h-full flex justify-center items-center text-white text-3xl'>
      Dashboard
    </div>
  )
}
```

Template.jsx (Components)

```
import React from 'react'
import frameImage from '../assets/frame.png'
import { SignupForm } from './SignupForm'
import { LoginForm } from './LoginForm'
import { FcGoogle } from 'react-icons/fc'

export const Template = ({ title, desc1, desc2, image, formType, setIsLoggedIn }) => {

  return (
    <div className='flex justify-between w-11/12 max-w-[1160px] py-12 mx-auto gap-x-12 gap-y-0'>
      <div className='w-11/12 max-w-[450px]'>
        <h1
          className='text-white font-semibold text-[1.875rem] leading-snug '>
          {title}</h1>
        <p className='text=[1.125rem] leading[1.625rem] mt-4'>
          <span className='text-white'>{desc1}</span>
          <br />
          <span className='text-blue-200 italic'>{desc2}</span>
        </p>
        {formType === "signup" ?
          (<SignupForm setIsLoggedIn={setIsLoggedIn}></SignupForm>) :
          (<LoginForm setIsLoggedIn={setIsLoggedIn}></LoginForm>)}

        <div className='flex w-full items-center my-4 gap-x-2'>
          <div className='h-[0.5px] w-full bg-white'></div>
          <p className='text-white font-medium leading[1.375rem]'>OR</p>
          <div className='h-[0.5px] w-full bg-white'></div>
        </div>

        <button className='w-full flex justify-center items-center rounded-lg
```

```
        font-medium text-blue-100 border border-white px-3 py-2 gap-x-2 mt-6 cursor-pointer'>
          <FcGoogle></FcGoogle>
          <p>Sign Up With Google</p>
        </button>
      </div>

      <div className='relative w-11/12 max-w-[450px]'>
        <img src={frameImage} alt='Pattern' width={558} height={504} loading='lazy'></img>
        <img src={image} alt='Students' width={558} height={490} loading='lazy'
          className='absolute -top-4 right-4'></img>
      </div>
    </div>
  )
}
```

LoginForm.jsx (Components)

```
import React, { useState } from 'react'
import { AiOutlineEyeInvisible, AiOutlineEye } from 'react-icons/ai'
import { Link, useNavigate } from 'react-router';
import { toast } from 'react-toastify';

export const LoginForm = ({ setIsLoggedIn }) => {
    const navigate = useNavigate();

    const [formData, setFormData] = useState({
        email: "",
        password: ""
    });

    const [showPassword, setShowPassword] = useState(false);

    function changeHandler(event) {
        setFormData((prevData) => (
            {
                ...prevData,
                [event.target.name]: event.target.value
            }
        ))
    }

    function submitHandler(event) {
        event.preventDefault();
        setIsLoggedIn(true);
        toast.success("Logged In");
        console.log('Printing the form data');
        console.log(formData);
        navigate("/dashboard")
    }
```

```
  return (

    <form onSubmit={submitHandler}
      className='flex flex-col w-full gap-y-4 mt-6'>
      <label className='w-full'>
        <p className='text-[0.875rem] text-blue-200 mb-1 leading-5.5'>
          Email Address <sup className='text-red-800'>*</sup>
        </p>
        <input
          required
          type="email"
          value={formData.email}
          onChange={changeHandler}
          placeholder='Enter Email ID'
          name='email'
          className='bg-[#041b2e] rounded-lg text-blue-200 w-full p-3 '>
        </input>
      </label>

      <label className='w-full relative'>
        <p className='text-[0.875rem] text-blue-200 mb-1 leading-5.5'>
          Passowrd <sup className='text-red-800'>*</sup>
        </p>
        <input
          required
          type={showPassword ? ("text") : ("password")}
          value={formData.password}
          onChange={changeHandler}
          placeholder='Enter Password'
          name='password'
          className='bg-[#041b2e] rounded-lg text-blue-200 w-full p-3 '>
        </input>

        <span
          className='absolute right-3 top-[38px] cursor-pointer'
          onClick={() => setShowPassword((prev) => !prev)}>
          {showPassword ?
            (<AiOutlineEyeInvisible className="text-2xl" fill="#afb2bf" />) :
            (<AiOutlineEye className="text-2xl" fill="#afb2bf" />)}
        </span>

        <Link to="#">
          <p className='text-xs mt-1 text-blue-400 max-w-max ml-auto'>
            Forgot Passoword</p>
        </Link>

        <button className='w-full bg-yellow-300 rounded-lg text-black font-semibold px-3 py-2 m
t-8'>
          Sign In
        </button>
      </label>
```

```
      </form>
    )
}
```

SignUpForm.jsx (Components)

```
import React, { useState } from 'react'
import { AiOutlineEyeInvisible, AiOutlineEye } from 'react-icons/ai'
import { useNavigate } from 'react-router'
import { toast } from 'react-toastify'

export const SignupForm = ({ setIsLoggedIn }) => {
    const navigate = useNavigate();

    const [showPassword, setShowPassword] = useState(false);
    const [showConfirmPassword, setShowConfirmPassword] = useState(false);
    const [accountType, setAccountType] = useState("student");

    const [formData, setFormData] = useState({
        firstName: "",
        lastName: "",
        email: "",
        password: "",
        confirmPassword: ""
    })

    function changeHandler(event) {
        setFormData((prevData) => ({
            ...prevData,
            [event.target.name]: event.target.value
        }
        ))
    }

    function submitHandler(event) {
        event.preventDefault();
        if (formData.password != formData.confirmPassword) {
            toast.error("Passwords do not match!");
            return;
        }
        setIsLoggedIn(true);
        toast.success("Account Created");
        const accountData = {
            ...formData
        };

        const finalData = {
            ...accountData,
            accountType
        }
```

```
    console.log("Printing Final Account Data")
    console.log(finalData);
    navigate("/dashboard");
  }


  return (
    <div>
      <div
        className='flex bg-[#041b2e] p-1 gap-x-1 my-6  rounded-full max-w-max'>
        <button
          onClick={() => setAccountType("student")}
          className={`${accountType === "student" ?
            ("bg-black text-blue-200 ") :
            ("bg-tranparent text-blue-50")} py-2 px-4
          rounded-full transition-all duration-200`}>
          Student
        </button>
        <button
          onClick={() => setAccountType("instructor")}
          className={`${accountType === "instructor" ?
            ("bg-black text-blue-200 ") :
            ("bg-tranparent text-blue-50")} py-2 px-4
          rounded-full transition-all duration-200`}>
          Instructor
        </button>
      </div>
      <form onSubmit={submitHandler}>
        <div className='flex justify-between mt-4'>
          <label>
            <p className='text-[0.875rem] text-blue-200 mb-1 leading-5.5'
            >First Name <sup className='text-red-800'>*</sup></p>
            <input
              required
              type='text'
              name='firstName'
              onChange={changeHandler}
              placeholder='Enter First Name'
              value={formData.firstName}
              className='bg-[#041b2e] rounded-lg text-blue-200 w-full
              p-3 shadow-blue-200'>
            </input>
          </label>

          <label>
            <p className='text-[0.875rem] text-blue-200 mb-1 leading-5.5'
            >Last Name <sup className='text-red-800'>*</sup></p>
            <input
              required
              type='text'
```

```
            name='lastName'
            onChange={changeHandler}
            placeholder='Enter last Name'
            value={formData.lastName}
            className='bg-[#041b2e] rounded-lg text-blue-200 w-full
            p-3 shadow-blue-200'>
          </input>
        </label>
      </div>

      <div className='mt-4'>
        <label className='w-full '>
          <p className='text-[0.875rem] text-blue-200 mb-1 leading-5.5'
          >Email Address <sup className='text-red-800'>*</sup></p>
          <input
            required
            type='email'
            name='email'
            onChange={changeHandler}
            placeholder='Enter Email Address'
            value={formData.email}
            className='bg-[#041b2e] rounded-lg text-blue-200 w-full
          p-3 shadow-blue-200'>
          </input>
        </label>
      </div>

      <div className='w-full flex gap-x-4 mt-4'>
        <label className='w-full relative'>
          <p className='text-[0.875rem] text-blue-200 mb-1 leading-5.5'
          >Create Password <sup className='text-red-800'>*</sup></p>
          <input
            required
            type={showPassword ? ("text") : ("password")}
            name='password'
            onChange={changeHandler}
            placeholder='Enter Password'
            value={formData.password}
            className='bg-[#041b2e] rounded-lg text-blue-200 w-full
            p-3'>
          </input>
          <span
            className='absolute right-3 top-[38px] cursor-pointer'
            onClick={() => setShowPassword((prev) => !prev)}>
            {showPassword ?
              (<AiOutlineEyeInvisible className="text-2xl" fill="#afb2bf" />) :
              (<AiOutlineEye className="text-2xl" fill="#afb2bf" />)}
          </span>
        </label>
        <label className='w-full relative'>
          <p className='text-[0.875rem] text-blue-200 mb-1 leading-5.5'
```

```
            >Confirm Password <sup className='text-red-800'>*</sup></p>
            <input
              required
              type={showConfirmPassword ? ("text") : ("password")}
              name='confirmPassword'
              onChange={changeHandler}
              placeholder='Confirm Password'
              value={formData.confirmPassword}
              className='bg-[#041b2e] rounded-lg text-blue-200 w-full
              p-3'>
            </input>
            <span
              className='absolute right-3 top-[38px] cursor-pointer'
              onClick={() => setShowConfirmPassword((prev) => !prev)}>
              {showConfirmPassword ?
                (<AiOutlineEyeInvisible className="text-2xl" fill="#afb2bf" />) :
                (<AiOutlineEye className="text-2xl" fill="#afb2bf" />)}
            </span>
          </label>
        </div>
        <button className='w-full bg-yellow-300 rounded-lg text-black font-semibold
        px-3 py-2 mt-8'>
          Create Account
        </button>
      </form>
    </div>
  )
}
```

PrivateRoute.jsx (Components)

```
import React from 'react'
import { Navigate } from 'react-router';

export const PrivateRoute = ({ isLoggedIn, children }) => {
 if (isLoggedIn) {
  return children;
 }
 else {
  return <Navigate to="/login" />;
 }
}
```