In the previous lesson, you learned how to implement forgot password and reset functionality in Node JS backend. In this lesson you will learn to implement it in the React frontend.

Let's begin with Forgot Password.

**Create forgotPassword and resetPassword methods:**

**react-front/src/auth/index.js**

export const forgotPassword = email => {

console.log("email: ", email);

return fetch(`${process.env.REACT\_APP\_API\_URL}/forgot-password/`, {

method: "PUT",

headers: {

Accept: "application/json",

"Content-Type": "application/json"

},

body: JSON.stringify({ email })

})

.then(response => {

console.log("forgot password response: ", response);

return response.json();

})

.catch(err => console.log(err));

};

export const resetPassword = resetInfo => {

return fetch(`${process.env.REACT\_APP\_API\_URL}/reset-password/`, {

method: "PUT",

headers: {

Accept: "application/json",

"Content-Type": "application/json"

},

body: JSON.stringify(resetInfo)

})

.then(response => {

console.log("forgot password response: ", response);

return response.json();

})

.catch(err => console.log(err));

};

We will be using the above methods to make PUT request to our backend with forgot password and reset password functionalities.

**Create a ForgotPassword component**

/react-front/src/user/ForgotPassword.js

When a user forget his/her password. They will click a link (we will add a button called Forgot Password in signin page)

Upon clicking on the button, they will be taken to ForgotPassword component.

There, user will enter their email address and submit the form. If that user email exists in our database, then we will email the token in their email address.

This component has a form where user will enter their email, requesting password reset link. We grab that email, set the state and make request to backend. If the email is not valid or other similar error, we push them to state error and display the error messages.

import React, { Component } from "react";

import { forgotPassword } from "../auth";

class ForgotPassword extends Component {

state = {

email: "",

message: "",

error: ""

};

forgotPassword = e => {

e.preventDefault();

this.setState({ message: "", error: "" });

forgotPassword(this.state.email).then(data => {

if (data.error) {

console.log(data.error);

this.setState({ error: data.error });

} else {

console.log(data.message);

this.setState({ message: data.message });

}

});

};

render() {

return (

<div className="container">

<h2 className="mt-5 mb-5">Ask for Password Reset</h2>

{this.state.message && (

<h4 className="bg-success">{this.state.message}</h4>

)}

{this.state.error && (

<h4 className="bg-warning">{this.state.error}</h4>

)}

<form>

<div className="form-group mt-5">

<input

type="email"

className="form-control"

placeholder="Your email address"

value={this.state.email}

name="email"

onChange={e =>

this.setState({

email: e.target.value,

message: "",

error: ""

})

}

autoFocus

/>

</div>

<button

onClick={this.forgotPassword}

className="btn btn-raised btn-primary"

>

Send Password Rest Link

</button>

</form>

</div>

);

}

}

export default ForgotPassword;

Not that we have ForgotPassword component ready to use, Lets add a link. Go to Signin.js and add the Forgot Password button.

/react-front/src/user/Signin.js

// import Link on top

import { Link, Redirect } from "react-router-dom";

Put this code just before the ending </div> inside your render method.

<p>

<Link to="/forgot-password" className="text-danger">

{" "}

Forgot Password

</Link>

</p>

Clicking on this button will not do anything unless we add this component in our MainRouter.js

/node-react/src/MainRouter.js

// import on top

import ForgotPassword from "./user/ForgotPassword";

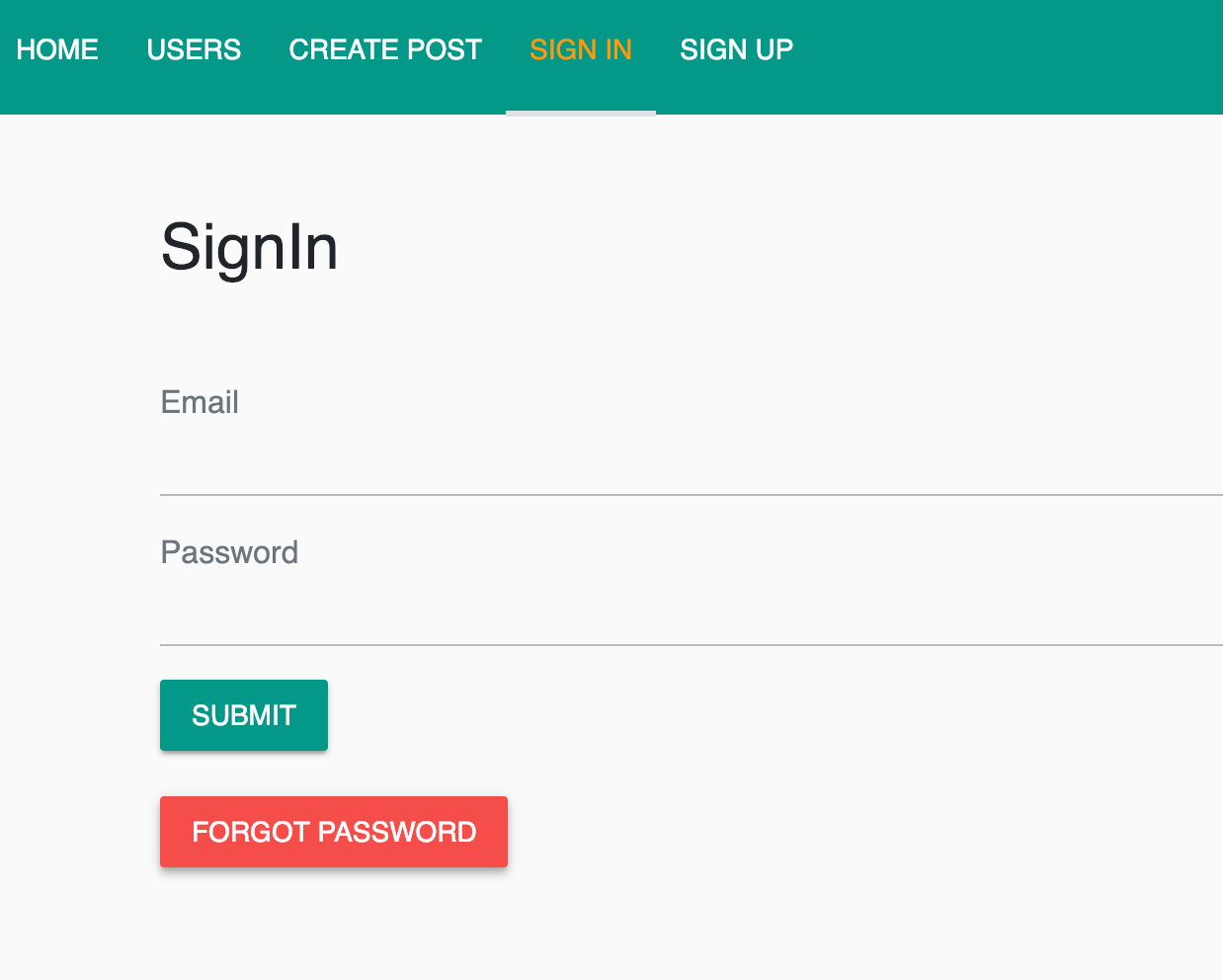
// then this route inside <Switch></Switch>

// put it after Home route

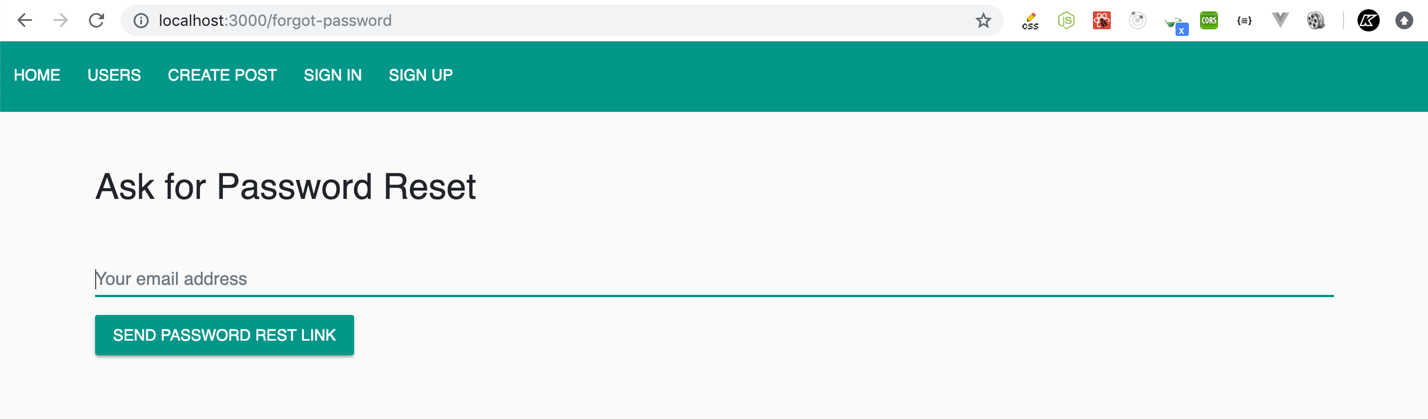
<Route exact path="/forgot-password" component={ForgotPassword} />

Now upon clicking on Forgot Password button on Signin page, you will be taken to ForgotPassword page. You can enter the  registered user's valid email address and hit the button. Your user will receive an email. Upon clicking on that link, that should take them to reset password page. Which we will create next!

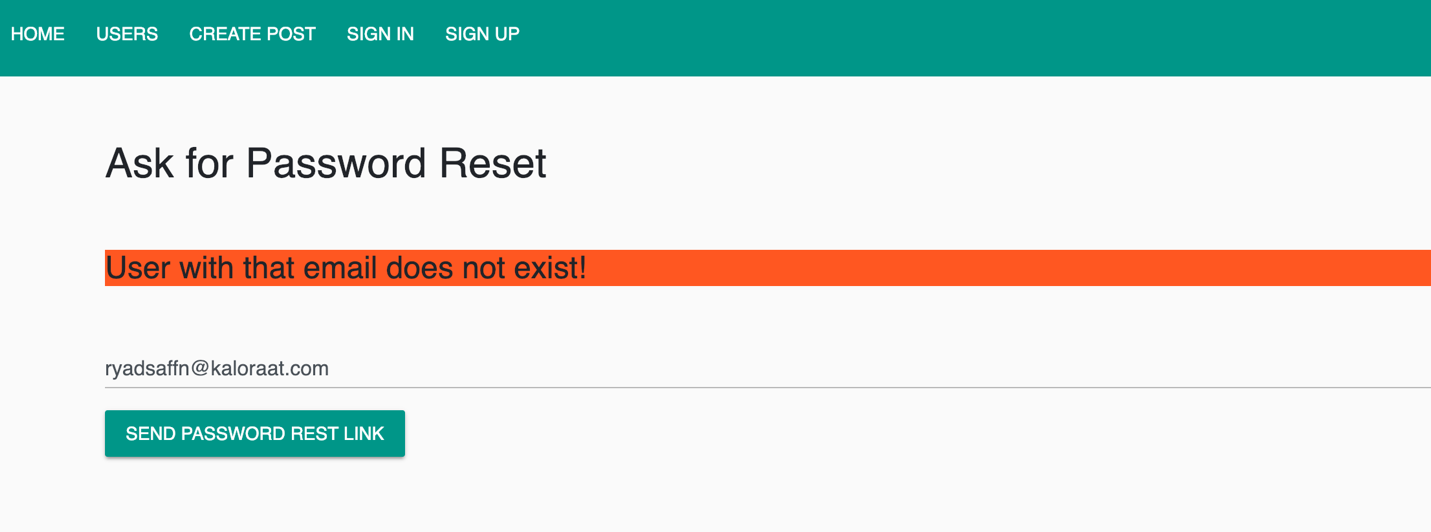
**Forgot password button**



**Forgot password page (component)**



**Validation / Error message**



**Success message**

