Forgot Password

Backend : Node JS

```javascript
  /*
Forgot password
  */


router.post('/forgot-password', (req, res) => {
  const {email} = req.body;
  User.findOne({email: email})
  .then(user => {
      if(!user) {
          return res.send({Status: "User not existed"})
      }
      const token = jwt.sign({id: user._id}, "jwt_secret_key", {expiresIn:
"1d"})
      var transporter = nodemailer.createTransport({
          service: 'gmail',
          auth:{
            user:'esps421@gmail.com',
            pass:'lnrqjuzysshlrpem'
          },
          tls:{
            rejectUnauthorized:false
          }
        });

        var mailOptions = {
          from: '"verify your email " <esps421@gmail.com>',
          to: email,
          subject: 'Reset Password Link',
           text: `http://localhost:3000/reset_password/${user._id}/${token}`

        };

        transporter.sendMail(mailOptions, function(error, info){
          if (error) {
            console.log(error);
          } else { console.log(info)
            return res.send({Status: "Success"})
```

```
            }
        });
    })
})


/*
Reset Password
*/

router.post('/reset_password/:id/:token', async(req, res) => {
  const {id, token} = req.params
  const {password} = req.body

  jwt.verify(token, "jwt_secret_key", async (err, decoded) => {
      if(err) {
          return res.json({Status: "Error with token"})
      } else {
        const salt=await bcrypt.genSalt(10);
        await bcrypt.hash(password,salt)
          .then(hash => {
              User.findByIdAndUpdate({_id: id}, {password: hash})
              .then(u => res.send({Status: "Success"}))
              .catch(err => res.send({Status: err}))
          })
          .catch(err => res.send({Status: err}))
      }
  })
})
```
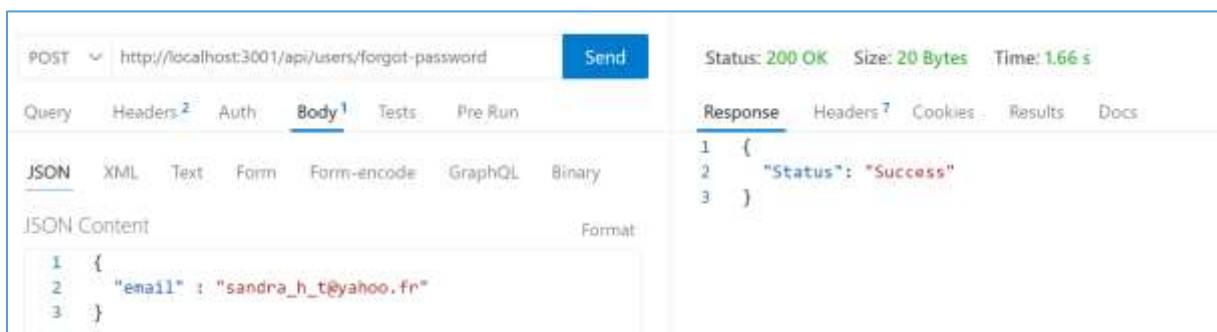
```
Server is listening on port 3001
Connexion à la base de données réussie
{
  accepted: [ 'sandra_h_t@yahoo.fr' ],
  rejected: [],
  ehlo: [
    'SIZE 35882577',
    '8BITMIME',
    'AUTH LOGIN PLAIN XOAUTH2 PLAIN-CLIENTTOKEN OAUTHBEARER XOAUTH',
    'ENHANCEDSTATUSCODES',
    'PIPELINING',
    'CHUNKING',
    'SMTPUTF8'
  ],
  envelopeTime: 281,
  messageTime: 528,
  messageSize: 555,
  response: '250 2.0.0 OK  1694615218 s17-20020adff811000000b0030ada01ca78sm15564790wrp.10 - gsmtp',
  envelope: { from: 'esps421@gmail.com', to: [ 'sandra_h_t@yahoo.fr' ] },
  messageId: '<3b95a2d0-0112-60a3-2751-e64708415ec0@gmail.com>'
}
```
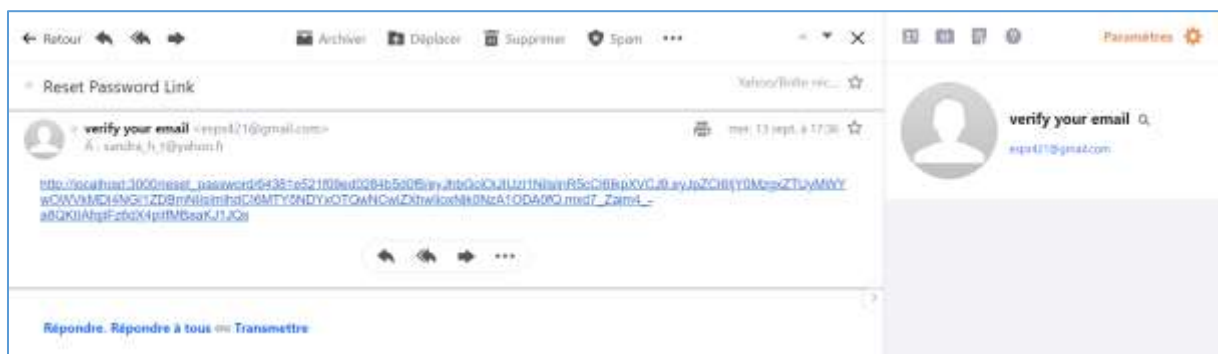
Front end : React Js

front > src > JS App.js >

```js
import ForgotPassword from './components/admin/ForgotPassword'
import ResetPassword from './components/admin/ResetPassword'
```

```jsx
<Route path="/forgot-password" element={<ForgotPassword />}></Route>
<Route path="/reset_password/:id/:token" element={<ResetPassword />}></Route>
```

front > src > components > admin > JS Login.js >

```jsx
<Link href="#" to="/forgot-password" variant="body2">
        Forgot password?
```

```
          </Link>
```

```javascript
import Api from '../Axios/Api';
const USER_API="users"


export const forgot=async(email)=> {
    return await Api.post(USER_API+"/forgot-password", {email});
    }


export const resetPass=async(id,token,password)=> {
return await Api.post(USER_API+"/reset_password/"+ id+ '/' + token,
{password});
        }
```

```javascript
import React from 'react'
import { useState } from "react";
import { useNavigate } from "react-router-dom";
import {forgot} from "../../services/Authservice";


function ForgotPassword() {
    const [email, setEmail] = useState()
    const navigate = useNavigate()


    const handleSubmit = async(e) => {
        e.preventDefault()
         await forgot(email)
        .then(res => {
            if(res.data.Status === "Success") {
                navigate('/login')


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


    return(
        <div className="d-flex justify-content-center align-items-center bg-
secondary vh-100">
        <div className="bg-white p-3 rounded w-25">
```

```jsx
        <h4>Forgot Password</h4>
        <form onSubmit={handleSubmit}>
          <div className="mb-3">
            <label htmlFor="email">
              <strong>Email</strong>
            </label>
            <input
              type="email"
              placeholder="Enter Email"
              autoComplete="off"
              name="email"
              className="form-control rounded-0"
              onChange={(e) => setEmail(e.target.value)}
            />
          </div>
          <button type="submit" className="btn btn-success w-100 rounded-0">
            Send
          </button>
        </form>

      </div>
    </div>
    )
}

export default ForgotPassword;
```
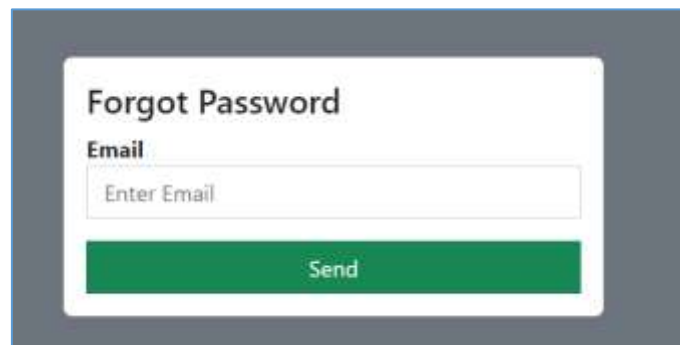

front > src > components > admin > JS ResetPassword.js >

```jsx
import React from 'react'
import { useState } from "react";
import { useNavigate, useParams } from "react-router-dom";
import {resetPass} from "../../services/Authservice";


function ResetPassword() {
    const [password, setPassword] = useState()
    const navigate = useNavigate()
```

```jsx
    const {id, token} = useParams()

    const handleSubmit = async (e) => {
        e.preventDefault()
        await resetPass(id,token,password)
        .then(res => {
            if(res.data.Status === "Success") {
                navigate('/login')

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

    return(
        <div className="d-flex justify-content-center align-items-center bg-
secondary vh-100">
        <div className="bg-white p-3 rounded w-25">
          <h4>Reset Password</h4>
          <form onSubmit={handleSubmit}>
            <div className="mb-3">
              <label htmlFor="email">
                <strong>New Password</strong>
              </label>
              <input
                type="password"
                placeholder="Enter Password"
                autoComplete="off"
                name="password"
                className="form-control rounded-0"
                onChange={(e) => setPassword(e.target.value)}
              />
            </div>
            <button type="submit" className="btn btn-success w-100 rounded-0">
              Update
            </button>
          </form>

      </div>
    </div>
    )
}

export default ResetPassword;
```

Connection was successful