

SourceCodeMaker

Freelance web site

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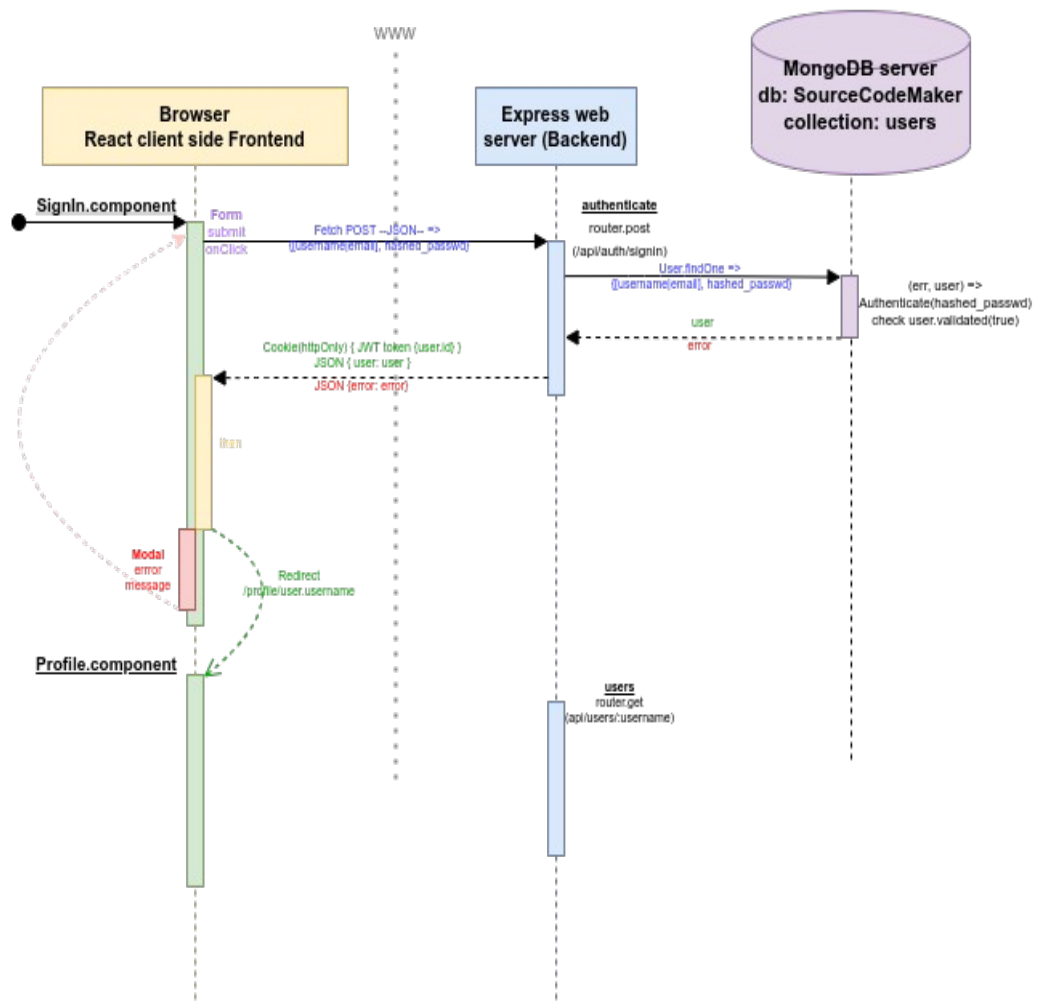
- UML sequence -

Sign In

The guest is coming to be authenticated, and his client web browser will hold an encoded base64 JWT signed token which can not be read by any javascript code. As a authenticated user with his token pass, each next request will use the token pass as a permit card to be authorized to get back the target content.

The process :

- At **login** time, guest should ask to enter to **SignIn.component React client** element form.
- In **SignIn.component** client side page form, guest can choose to
 - provide an **email** or a **username** (all together are unique in the database),
 - and a **password**.
- At **submit** time (when click on button to authenticfy user), a JSON data with **email** or **username** AND **hashed_password** (the password will never be show online or in the database without to be hashed) is send (POST-JSON, as AJAX call) to the server.
- The web **Express server** receipt this fetch call in authenticate.js file with his express.router.post on « /api/auth/signin » address and after to parseJSON request,
- will ask the **MongoDB server** on **SourceCodeMaker** database, **users** collection,
 - if this user exist and the password authentication test is ok,
 - it will send back the **user**.
 - error.
- The **Express server** send back
 - an **error** if there is one,
 - or will create a **JWT token** contained the **user.id**
 - and will send a **Cookie** with **httpOnly** flag and **secure** flag enabled,
 - and a JSON data contained the user data (exception of some user data as password, salt and ticket).
 - Then send it back to the client
- If the **React client** (the web browser code side) will get back an error,
 - he will show the modal dialog box with error message, and then after to close it, guest will have to try again or not.
 - If the user data is there and the Cookie token is there too, React will redirect to
 - /profile/ user.username element linked page
 - or the previous page before to come in SignIn page.



Setup Password

The process

- After to enter an email or a username
- a link to click named : « fix problem » does appears down the signin card form
- click on this link will show an other one link to click named : « i forget my password »
- after to click this link, React fetch a username to the specific address of the server ('api/users/setup_password' with username JSON body POST
- the Express router of the server do
 - search user to exist, collect data as email and some other
 - prepare and send an email with a link to click
- The user open his web client to find this email, then click the link to setup his password
- the link will make him go to a new web browser page with React SetupPassword page
- User will setup password and confirm it again
- At submit time, the React SetupPassword page will fetch a JSON POST to 'api/users/reset_password/:id/:ticket' with new hashed password JSON body.
- The Express server users router will receipt it and then find this user conform to the id and the ticket number to modify his password.

Each time the server (database or web site) trust a transaction, he can return a success message or an error message. This message will be shown on web browser through a modal or a dia

