Note: Don't worry if you can't understand this assignment now. If you face any issues in understanding the assignment after completing promises and fetch requests, you can ask us. The deadline for this assignment is the 14th at midnight.

Your next assignment will be building a basic login and sign up page. So we have already hosted a backend on Heroku. All you need is to make successful calls to the backend.

Here is the basic description of the endpoints-

for signup : make a POST request on

'https://yournoteserver.herokuapp.com/users'

where body of the request must have these properties

    var reqBody = {

        username: document.getElementById('username').value,

        password: document.getElementById('password').value,

        firstName: document.getElementById('FirstName').value,

        lastName: document.getElementById('LastName').value

    }

remember if a user with given username already exists then server will respond with status code 401 and send a json to frontend - {err:'try a different username'}

        res.statusCode=401;

        res.setHeader('Content-Type', 'application/json');

        res.send({err:'try a different username'});

Here res is the response object which will be sent to the frontend

" res.send" sends the response to the frontend with the body as

{err:'try a different username'}

if username and password property are absent in your fetch request then it will respond with -

      res.statusCode=500;

    res.setHeader('Content-Type', 'application/json');

    res.send({err:"username and password required"})

And if you are finally able to avoid all the above issues then congratulations the user will be able to register now and user information will be stored in the database. And the backend will respond with-

            res.statusCode=200;

            res.setHeader('Content-Type', 'application/json');

            res.send(user);

"user" here is the user you just created in the database;

for login : make a POST request on

'https://yournoteserver.herokuapp.com/users/login'

where body should have these properties-

                        var requestBody = {

                            username: document.getElementById('username').value,

                            password: document.getElementById('password').value,

                        }

if a user with the given username has not signed up (i.e does not exists in database) the backend will respond with-

      res.statusCode=401;

      res.setHeader('Content-Type','application/json');

      res.send({err:"user not found"})

if the user with the given username exists but password entered and the one in database doesn't match then backend will send a response-

        res.statusCode=401;

        res.setHeader('Content-Type','application/json');

        res.send({err:"incorrect password"})

if the username and password matches then user will be successfully logged in and a token will be sent ,backend will send a response-

          var token=authenticate.getToken({\_id:user.\_id})

          res.statusCode=200;

          res.Header={'Content-Type':'application/json'};

          res.send({success:true,token:token})

token is something that is stored in cookies of your web browser to avoid continous authentication, for example: when you once log in to hello iitk, you don't have to login for a day because a token is stored in your browser as a cookie and whenever hello iitk needs to fetch your detail it simply send this token to backend.

So once you get this token, you have to save it in the cookies.

So that's it for this week; try not to procrastinate because you will face many errors this time. Also, contact mentors for any help.