USER AUTHENTICATION

Workflow for user authentication using POST and GIET APIS ain a web application

1. Signing Up

- or apply wiped with all wors 1) The user visits the sign-up page of the application.
- 2) Sign-up page displays a form with input fields for vsername, email & password and sields for vsername, email & password and a 'SIGN UP' button.
- 3 When the user clicks "SIGN UP" button, => a POST' request is sent to the server-side API with the username, email & password.
 - (A) "The server-side API creales a new-user account"
- 5) If the account creation is <u>Successfull</u>,

 the server responds with a 200 ok HTTP Status code.
 - 6) If the account creation is not succesful, The server responds with an ever

message and an appropriate HTTP stalus code (e.g.; 400 Bad Request)

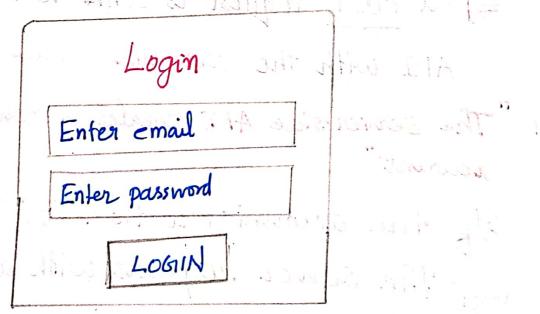
The client-side code then redireds the user to the login page of the application.

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II. Logging. In

- 1) The user visits the login page of the application.
- 2) It displays a form with input fields for email and password, as well as a Login button



3 When the user clicks the 'Login' button, — a 'POST' request is sent to the server-side

- API with user's email & password.
- The server-side API validates the usu's credentials.
- 5 If the credentials are valid,
 - The server generales an authentication token' and responds with this authentication token & 200 ok' HTTP request. Status code.
 - 6 If the credentials are not valid,

 The sewer responds with an error message and an appropriate HTTP status code (e.g.; 401 unauthorised).
 - 7 The client-side code receives the authentication token and stores it in local storage or a cookie for future requests.
 - 8) The client-side code then redireds the user to the homepage of the application.
 - 9 If the user is not authenticated, the homepage redirects the user to the login page with appropriate message

III Logout

1). When the user logs out,

The client-side code removes the authentication token from local storage or a cookie.

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2. The client-side code then redirects the user to the login page.

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