Draw a diagram describing what happens when the user creates a note on the page https://fullstack-exampleapp.herokuapp.com/notes, that is, when the user types something in the text field and presses the save button (Talleta).

Pilvi Rajala

User → Browser

The user types something into the text input on page fullstack-exampleapp.herokuapp.com/notes and presses save ('Talleta') button

Browser → Server: POST https://fullstack-exampleapp.herokuapp.com/new_note

The user input (the form data) is sent to the server to the address specified in the form's action field (**/new_note**)

Server → Browser: Status 320, URL redirect

The server responds to the POST request with HTTP status code 302, meaning URL redirection. This means that the server is asking the browser to make a new HTTP GET request to a location given in the **Location header** (the address **notes** in this case)**.**

Browser → Server: GET https://fullstack-exampleapp.herokuapp.com/notes

Server → Browser: Status 200, the HTML code of the page

Generates HTML code. This includes the form for submitting new notes but does NOT include the notes yet.

Browser → Server: GET fullstack-exampleapp.herokuapp.com/main.css

Server → Browser: Status 200, the CSS stylesheet for the page

Browser → Server: GET fullstack-exampleapp.herokuapp.com/main.js

Server → Browser: Status 200, the JavaScript code for the page

Returns the code that will be used to add the notes to the page. The code sends GET request to obtain the notes file (JSON)

The page shows the HTML page returned by the server, including styles defined in main.css and the notes code in main.js has added from data.json. The page now of course includes the submitted note (as the last item in the list)

Browser → Server: GET fullstack-exampleapp.herokuapp.com/data.json

Server → Browser: Status 200, the JSON file containing the notes

User | Browser | Server