note over browser:

User inputs the data in the text

field (form-element) and then press

the Save button(form-element) in the spa page.

end note

browser->server: HTTP POST https://studies.cs.helsinki.fi/exampleapp/new\_note\_spa

note right of server:

The POST request to the address new\_note\_spa

contains the new note as JSON-data

containing both the content of the

note (content) and the timestamp (date):

{ content: "SRP-Sudeshna"

date: "2021-05-24T09:53:46.213Z"

}

end note

server-->browser: HTTP status code 201 created

note left of browser:

The browser stays on the same page,

and it sends no further HTTP requests.

end note

note right of server:

The server does not ask for a redirect

end note

note left of server:

The command document.getElementById('notes\_form')

instructs the code to fetch the form-element

from the page, and to register an event handler

to handle the form submit event. The event

handler immediately calls the method

e.preventDefault() to prevent the default

handling of form submit

end note

note right of browser:

Then the event handler creates a new note,

adds it to the notes list with the command

notes.push(note), rerenders the note list

on the page and sends the new note to the server

end note

Diagram

Description automatically generatedText

Description automatically generated with medium confidence