

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: "konduru", date: "2021-05-27T11:09:10.781Z"}
```

```
content: "konduru"
```

```
date: "2021-05-27T11:09:10.781Z"
```

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