

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](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: "narla.vedasri"
```

```
  date: "2021-05-26T17:20:37.875Z"
```

```
}
```

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