

The screenshot shows a web browser at `fullstack-exampleapp.herokuapp.com/spa` with a list of notes: `adasd`, `a moi d'essayer` (repeated three times), `Venezuela`, and `Fullstack Developer`. A 'Save' button is visible below the list.

The browser's developer tools are open to the 'Network' tab, showing a list of requests. The request `new_note_spa` is selected, and its details are shown in the right-hand pane.

Annotations with callouts explain the request and response details:

- 1- The user send to new note a server
- 2-The new_notes_spa post url request contains the new note as the json data
- 3- the server responds with status code 201. Created. The server does not request a redirect. The browser remains on the same page
- 4- size en bytes
- 5- data: json

The 'General' section of the request details shows:

- Request URL: `https://fullstack-exampleapp.herokuapp.com/new_note_spa`
- Request Method: `POST`
- Status Code: `201 Created`
- Remote Address: `34.199.61.234:443`
- Referrer Policy: `no-referrer-when-downgrade`

The 'Response Headers' section shows:

- Connection: `keep-alive`
- Content-Length: `26`
- Content-Type: `application/json; charset=utf-8`
- Date: `Fri, 01 Nov 2019 14:08:28 GMT`
- Etag: `W/"1a-i19+dCmxaEJy18v1smVCUQvLtU8"`
- Server: `Cowboy`
- Via: `1.1 vegur`

The bottom status bar indicates: 5 requests | 6.7 KB transferred | 5.4

The screenshot shows a web browser window with the address bar displaying `fullstack-exampleapp.herokuapp.com/spa`. The browser's tabs include "Aplicaciones", "Full Stack Open 2019", "An Intro to Git and...", "Eloquent JavaScript", and "Learn React JS in 5...". The main content area displays a list of items:

- adasd
- a moi d'essayer
- a moi d'essayer
- a moi d'essayer
- Venezuela
- Fullstack Developer

Below the list is an empty text input field and a "Save" button.

The browser's developer tools are open to the "Network" tab. The "Filter" dropdown is set to "All". The "Name" column lists several requests: `spa`, `main.css`, `spa.js`, `data.json`, and `new_note_spa`. The `data.json` request is selected, and its details are shown in the right-hand pane.

The "Headers" tab for the `data.json` request shows the following information:

- Cache-Control: no-cache
- Connection: keep-alive
- Content-Length: 67
- Content-type: application/json
- Host: fullstack-exampleapp.herokuapp.com
- Origin: https://fullstack-exampleapp.herokuapp.com
- Pragma: no-cache
- Referer: https://fullstack-exampleapp.herokuapp.com
- Sec-Fetch-Mode: cors
- Sec-Fetch-Site: same-origin
- User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/79.0.4046.20 Safari/537.36

The "Request Payload" tab shows the following JSON data:

```
{
  "content": "Fullstack Developer",
  "date": "2019-11-01T14:05:57.256Z"
}
```

A blue callout bubble with the text "6: data: json" points to the `data.json` request in the list.

At the bottom of the developer tools, it shows "5 requests" and "6.7 KB transferred".

Name	×	Headers	Preview	Response	Timing
spa				<pre>1 2 <!DOCTYPE html> 3 <html> 4 <head> 5 <link rel="stylesheet" type="text/css" href="/main.css" /> 6 <script type="text/javascript" src="spa.js"></script> 7 </head> 8 <body> 9 <div class='container'> 10 <h1>Notes -- single page app</h1> 11 <div id='notes'> 12 </div> 13 <form id='notes_form'> 14 <input type="text" name="note">
 15 <input type="submit" value="Save"> 16 </form> 17 </div> 18 </body> 19 </html> 20</pre>	
main.css					
spa.js					
data.json					
new_note_spa					

7- don't have action
and method

Part 0:6

Juancarlos.arteaga1@gmail.com

The screenshot shows a web browser at the URL `fullstack-exampleapp.herokuapp.com/spa`. The page displays a list of notes, including "gzzzg", "gdd", "ggggggggg", "osa 0", "Ninad was here", "MÖRKÖ LÖI SISÄÄN!", "Mörkö päästi sisään", "form data is sent with HTTP POST", "njj", "tttt", "Hacker man is in... End of Line.", "Yo waddap", "and its done", "1300135", "Tron", "zxc", "jee", "lol", "asd", "aSSADSAD", "adasd", "a moi d'essayer", "a moi d'essayer", "a moi d'essayer", "Venezuela", and "Fullstack Developer". A "Save" button is visible at the bottom of the notes list.

The Network tab in the developer tools is open, showing a list of resources. The selected resource is `spa`, which is a JavaScript file. The preview pane shows the following code:

```
1 var notes = []
2
3 var redrawNotes = function() {
4   var ul = document.createElement('ul')
5   ul.setAttribute('class', 'notes')
6
7   notes.forEach(function (note) {
8     var li = document.createElement('li')
9
10    ul.appendChild(li);
11    li.appendChild(document.createTextNode(note.content))
12  })
13
14  var notesElement = document.getElementById("notes")
15  if (notesElement.hasChildNodes()) {
16    notesElement.removeChild(notesElement.childNodes[0]);
17  }
18  notesElement.appendChild(ul)
19 }
20
21 var xhttp = new XMLHttpRequest()
22
23 xhttp.onreadystatechange = function () {
24   if (this.readyState == 4 && this.status == 200) {
25     notes = JSON.parse(this.responseText)
26     redrawNotes()
27   }
28 }
29
30 xhttp.open("GET", "/data.json", true)
31 xhttp.send()
32
33 var sendToServer = function (note) {
34   var xhttpForPost = new XMLHttpRequest()
35   xhttpForPost.onreadystatechange = function () {
```

The JavaScript code retrieves the notes from the server, such as json data and adds html elements to display the notes on the page using DOM-API