

Programação na Internet

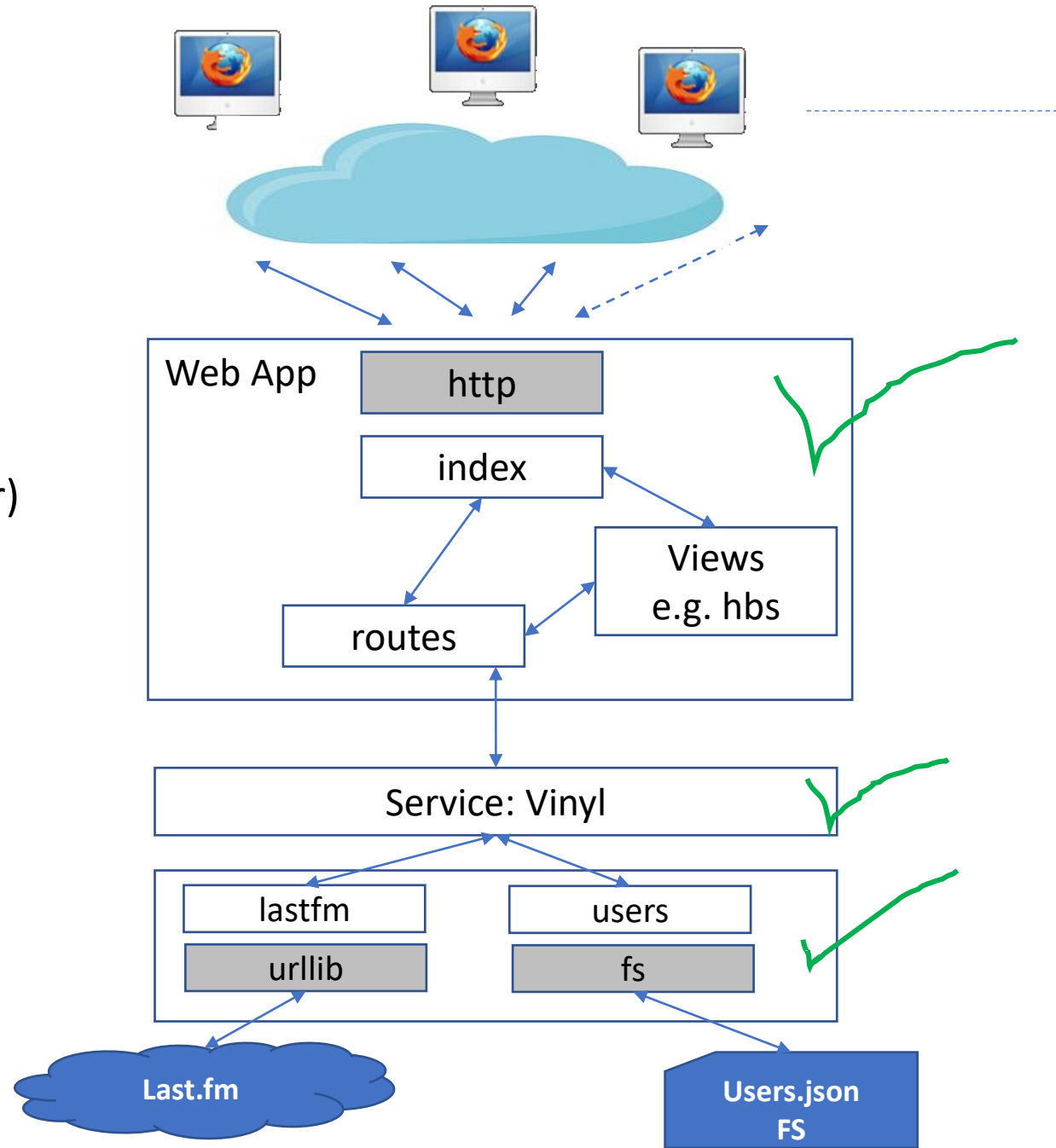
Turma i52d

Lesson 43 and 44

Javascript front-end, DOM and fetch()

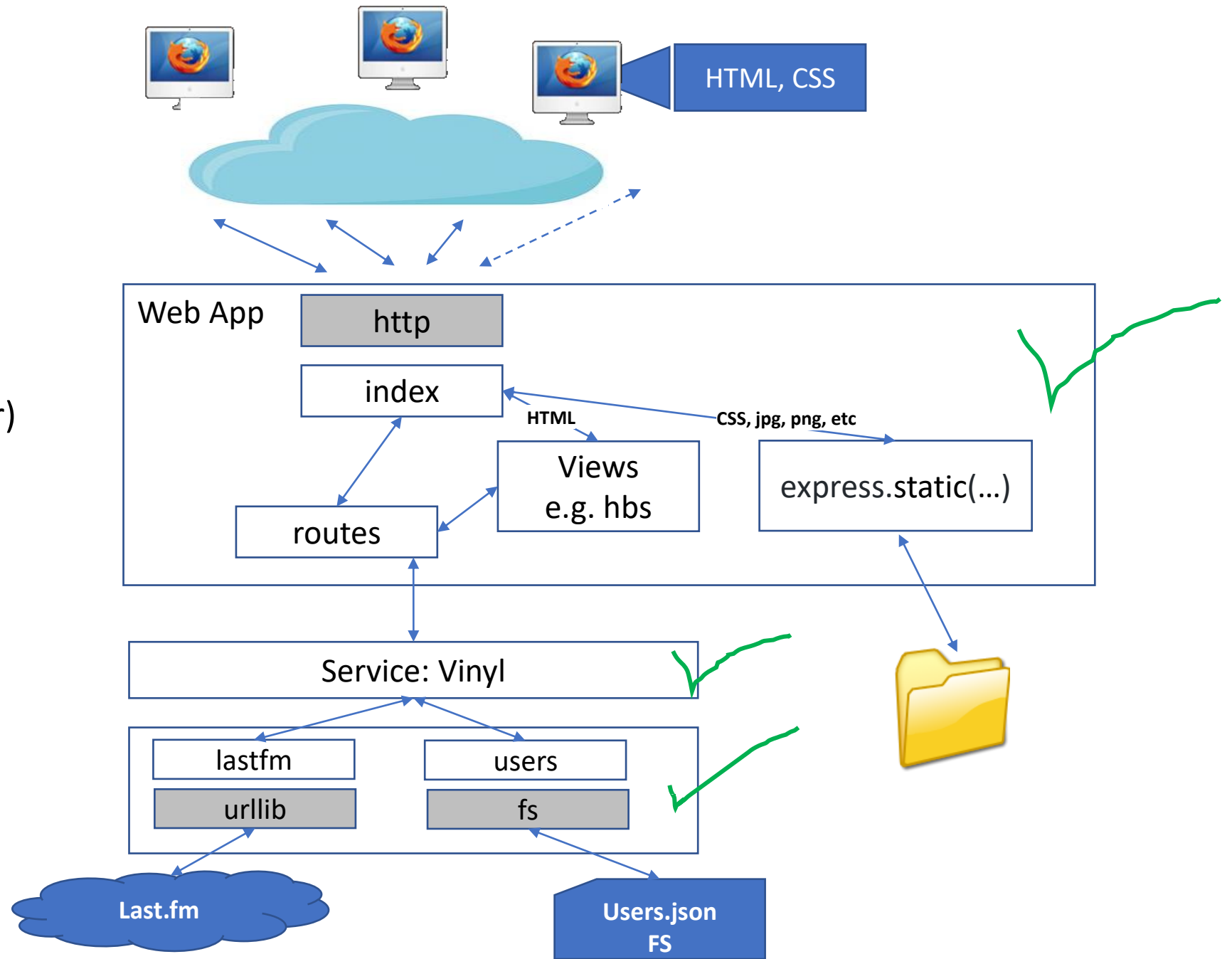
Vinyl

- Servidor HTTP
- View (i.e. JSON, HTML, other)
- Routing

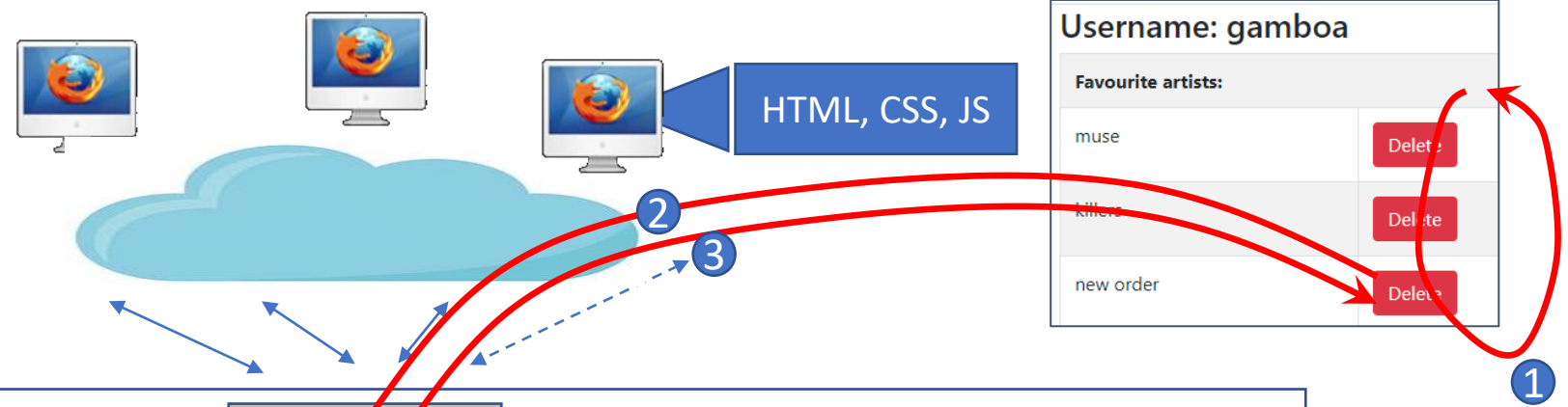


Vinyl

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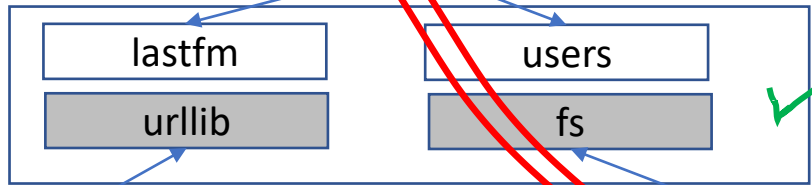
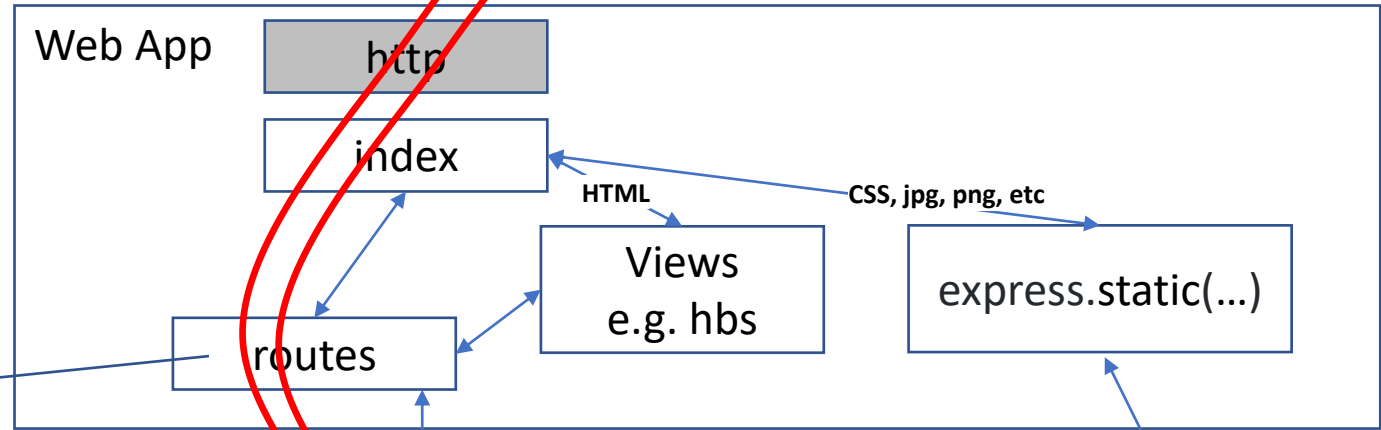


Vinyl



1. Attach Js event handler
2. fetch() to HTTP request
3. If succeeded updates UI via DOM

```
DELETE: /api/vinyl/users/:username/artists/:artist
```



Frontend Javascript

```
<script type='text/javascript' src='/js/vinyl.js'></script>
```

Username: gamboa

muse


Delete

killers

Delete

new order

Delete



Elements Console Sources Network Performance Memory Application

Filter Hide data URLs **All** XHR JS CSS Img Media Font Doc WS M

Has blocked cookies Blocked Requests

Name	Status	Type	Initiator	Size	Time
gamboa	200	docume...	Other	3.6 kB	21 ms
bootstrap.min.css	200	stylesheet	gamboa	161 kB	7 ms
vinyl.js	200	script	gamboa	1.7 kB	6 ms

Frontend Javascript and DOM

Javascript DOM API: Element or Text --- |> Node

`document` – reference to document root Element

`document.getElementById(<String>)`

`<Element>.addEventListener(type: String, listener: Function)`

`<Node>.querySelector(<selector>)` – first occurrence

`<Node>.querySelectorAll(<selector>)` – returns an array with all occurrences

`<Node>.insertAdjacentHTML(String)`

`<Node>.remove()`

HTML data attributes

```
const artistName = item.querySelector('.artistName').textContent
...
fetch( loc + '/artists/' + artistName, { method: 'DELETE' } )
```

Not the best option!!!!
E.g. If it is not unique!!!

- Alternatives:

```
<input type="hidden" value="{{_id}}">
```

It turns into an Invalid Document

```
<td class="artistName" vinylId="{{_id}}">{{name}}</td>
```

Data Attributes

```
<td class="artistName" data-vinyl-id="{{_id}}">{{name}}</td>
```