

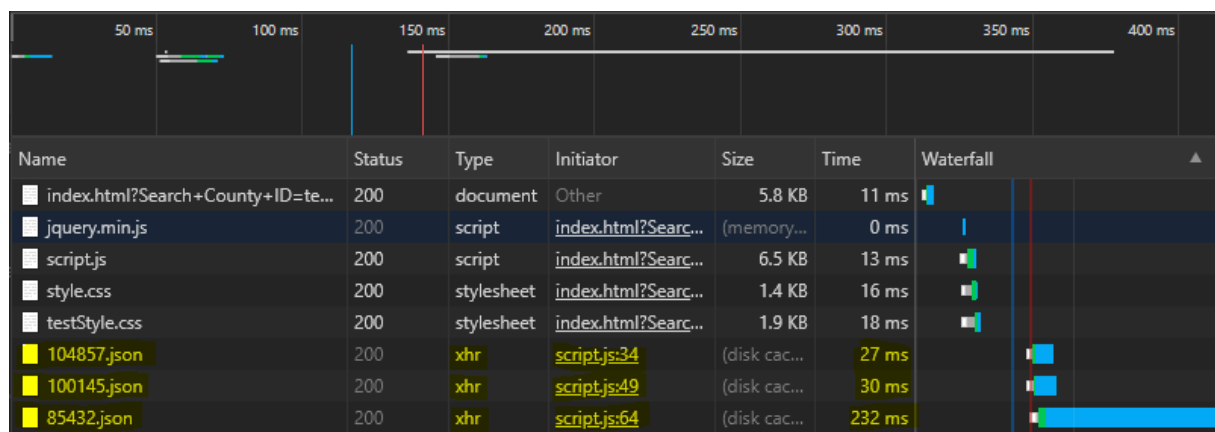
Report for INFO134 Client Programming

Task 1:

The datasets are downloaded once the html document is loaded. The body tag of the document has a `onload()` attribute that triggers the `start()` function. That function downloads the json files to the local cache of the browser.

```
function start() {  
    load();  
}  
  
function load(search) {  
    if (search == null) {  
        load_bef(); load_sys(); load_uhd();  
    } else {  
        load_bef(search); load_sys(search); load_uhd(search);  
    }  
}
```

The two first smallest json files are downloaded simultaneously while the biggest dataset starts loaded in by the time the two other sets are almost done. You can see this on the Waterfall graph below.



Task 2:

The program listens for a 'ready state' event to change on the `onreadystatechange` from the XML Http requester. Once the biggest dataset returns this code and we have not encountered any 400 http errors we can send off the request and assume the loading is complete.

```
var request = new XMLHttpRequest();  
request.open( method: "GET", befolkningURL);  
request.onreadystatechange = function() {  
    if (request.readyState === 4 && request.status === 200) {  
        // Execute json response code here  
    }  
};  
request.send()
```

Task 3:

We could not get the vertical view to work on smaller screens without reusing someone else's design from the internet. So, we chose to not do it. Instead we tried to make it as good looking and functional on smaller screens without compromising the design.

Small vertical viewport

Detaljer

Search County By ID:

Komune	Nr #	Totalt	Sysselsatte	Utdannede
Halden	# 0101	31037	61.7	40.6

År	Befolkningsvekst	Sysselsettingsvekst	Utdanningsvekst
-	Totalt	Begge Kjønn	Videregående skole-nivå (Menn)
2007	0.92%	0%	0.22%
2008	1.06%	-3.65%	-0.22%
2009	1.36%	-0.95%	-1.08%
2010	1.54%	-0.48%	-0.22%
2011	1.11%	-1.76%	-0.22%
2012	1.14%	-0.33%	0.44%
2013	0.84%	-0.16%	-0.87%
2014	0.65%	-4.09%	-0.66%
2015	0.71%	-0.34%	-6.19%
2016	0.81%	-0.68%	0.24%
2017	0.8%	1.21%	NaN%

Dette er en oppgavebesvarelse i emnet INFO134

Wide viewport:

Detaljer				
Search County By ID: <input type="text" value="0101"/> <input type="button" value="Send"/>				
Komune	Nr #	Totalt	Sysselsatte	Utdannede
Halden	# 0101	31037	61.7	40.6
År	Befolkningsvekst	Sysselsettingsvekst	Utdanningsvekst	
-	Totalt	Begge Kjønn	Videregående skole-nivå (Menn)	
2007	0.92%	0%	0.22%	
2008	1.06%	-3.65%	-0.22%	
2009	1.36%	-0.95%	-1.08%	
2010	1.54%	-0.48%	-0.22%	
2011	1.11%	-1.76%	-0.22%	
2012	1.14%	-0.33%	0.44%	
2013	0.84%	-0.16%	-0.87%	

Task 4:

We found out about this while doing some debugging and got some conflicting results when trying to display the stats based of the county ID number. Easy to run into errors when comparing two different sets up against each other with same ID.