



Meg Studer &lt;studer.meg@gmail.com&gt;

## FW: Scripting Civic Engagement - Project 1 Presentations (Web Map)

6 messages

**Studer, Megan (ms5kh)** <ms5kh@virginia.edu>  
 To: "studer@siteations.com" <studer@siteations.com>

Wed, Oct 25, 2017 at 11:39 AM

**From:** Andrea Hansen-Phillips [mailto:[andrea.l.m.hansen@gmail.com](mailto:andrea.l.m.hansen@gmail.com)]  
**Sent:** Wednesday, October 25, 2017 9:31 AM  
**To:** Studer, Megan (ms5kh) <[ms5kh@virginia.edu](mailto:ms5kh@virginia.edu)>  
**Subject:** Re: Scripting Civic Engagement - Project 1 Presentations (Web Map)

Hey Meg,

Sorry for the delayed response--just got back from ASLA. Anyway, I am not planning on preparing a tutorial for the 2nd, so you are welcome to use the whole class time however you'd like. And their next assignment won't be due until the 9th, so they shouldn't be too busy with work (at least for this class, studio I'm sure is another story).

Here are links to the github repos/pages they submitted for this past assignment. Happy to provide tutorial handouts too if you want to see what we've gone over. Pretty basic though—just introductory HTML, CSS, JS (on Lynda.com), intro to Leaflet and Mapbox GL JS (as you saw from the maps, most of them are at the tentative copy-pasta stage at the moment), and intro to d3 (they are also supposed to do a d3 Lynda.com tutorial for this week). This week in class we are going to spend a bit more time in d3.

Thanks again for coming last week, and next!

Andi

Name	ID	10/19	Github Repo	Github Page
Camuti, Elizabeth (Liz)	ejc2mp	X	<a href="https://github.com/lzcamuti/assignment01_final">https://github.com/lzcamuti/assignment01_final</a>	<a href="https://lcamuti.github.io/assignment01_final/">https://lcamuti.github.io/assignment01_final/</a>
Court, Elizabeth (Liza)	egc8sj	X	<a href="https://github.com/egc8sj/youngstown-amenities">https://github.com/egc8sj/youngstown-amenities</a>	<a href="https://egc8sj.github.io/youngstown-amenities/">https://egc8sj.github.io/youngstown-amenities/</a>
Gordon, Kirk	krq5at	X	<a href="https://github.com/kirkgordo/Atlas-of-Coastal-Literatures">https://github.com/kirkgordo/Atlas-of-Coastal-Literatures</a>	<a href="https://kirkgordo.github.io/Atlas-of-Coastal-Literatures/">https://kirkgordo.github.io/Atlas-of-Coastal-Literatures/</a>
Mutschler-	elm5bc	X	<a href="https://github.com/elm5bc/Assignment1">https://github.com/elm5bc/Assignment1</a>	<a href="https://elm5bc.github.io/Assignment1/">https://elm5bc.github.io/Assignment1/</a>

Nielsen, Erica				
Peng, Jiayue	jp9er	X	<a href="https://github.com/pppfrank/NYC-Yellow-Cab">https://github.com/pppfrank/NYC-Yellow-Cab</a>	<a href="https://pppfrank.github.io/NYC-Yellow-Cab/">https://pppfrank.github.io/NYC-Yellow-Cab/</a>
Shi, Hangyu (Arthur)	hs4up	X	<a href="https://github.com/shyrvp/web-map">https://github.com/shyrvp/web-map</a>	<a href="https://shyrvp.github.io/web-map/">https://shyrvp.github.io/web-map/</a>
Song, Zhilan	zs9bc	X	<a href="https://github.com/zhilansong/NewDelhi">https://github.com/zhilansong/NewDelhi</a>	<a href="https://zhilansong.github.io/NewDelhi/">https://zhilansong.github.io/NewDelhi/</a>
Velamakanni, Siddarth	ssv4yt	X	<a href="https://github.com/sid-velamakanni/Najafgarh-Drain-Corridor">https://github.com/sid-velamakanni/Najafgarh-Drain-Corridor</a>	<a href="https://sid-velamakanni.github.io/Najafgarh-Drain-Corridor/">https://sid-velamakanni.github.io/Najafgarh-Drain-Corridor/</a>
von Barby, Pia	psv6ba	X	<a href="https://github.com/pvonbarby/world-of-flowers">https://github.com/pvonbarby/world-of-flowers</a>	<a href="https://pvonbarby.github.io/world-of-flowers/">https://pvonbarby.github.io/world-of-flowers/</a>
Yang, Xingyu	xy4sf			
Yu, Zhaowei	zy6ab	X	<a href="https://github.com/WayneYue/nyc_bike_map">https://github.com/WayneYue/nyc_bike_map</a>	<a href="https://wayneyue.github.io/nyc_bike_map/">https://wayneyue.github.io/nyc_bike_map/</a>
Zhang, Zihao	zz3ub	X	<a href="https://github.com/zihao000/CCUS">https://github.com/zihao000/CCUS</a>	<a href="https://zihao000.github.io/CCUS/">https://zihao000.github.io/CCUS/</a>

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On Thu, Oct 19, 2017 at 5:22 PM, Studer, Megan (ms5kh) <[ms5kh@virginia.edu](mailto:ms5kh@virginia.edu)> wrote:

Final thought- it would be great to get a list of their github links... as then I can see what level of code they're using, what sorting selection they're up to in js.

Great strides for 6 weeks.

meg studer

sitations studio & uva landscape studies initiative

pardon telegraphic typos

----- Original message -----

From: Andrea Hansen-Phillips <[andrea.l.m.hansen@gmail.com](mailto:andrea.l.m.hansen@gmail.com)>

Date: 10/12/2017 10:59 (GMT-05:00)

To: "Studer, Megan (ms5kh)" <[ms5kh@virginia.edu](mailto:ms5kh@virginia.edu)>, "El Khafif, Mona (me9gn)" <[me9gn@virginia.edu](mailto:me9gn@virginia.edu)>

Subject: Scripting Civic Engagement - Project 1 Presentations (Web Map)

Hi Meg and Mona,

Thank you so much for agreeing to come to our class next Thursday as the students present their first project, an interactive web map.

I have had to shift my prior class around a little bit in order to accommodate today's Keith Bowers lecture, so we will start the class at 2:15 next week. There are 12 students, and each will have a couple of minutes to demo their maps followed by 5 minutes of discussion. I expect to wrap up by 4pm.

The class meets in room 302, and I am attaching the assignment handout if you would like to take a look before class next week. In the meantime, please let me know if you have any questions.

Thank you,

Andrea

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Tasks & Structures below.

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**From:** Studer, Megan (ms5kh)

**Sent:** Wednesday, October 25, 2017 10:22 AM

**To:** 'Andrea Hansen-Phillips' <[andrea.l.m.hansen@gmail.com](mailto:andrea.l.m.hansen@gmail.com)>

**Subject:** RE: Scripting Civic Engagement - Project 1 Presentations (Web Map)

Andi,

No worries. I hope L.A. was great.

Thanks for the github; I'll look at that and the d3 Lydia tutorial. My plan was to build in references to the mapbox gl documentation and d3 samples. . .to make svg manipulation easier to grasp. It would be great to see what sources they've used with jQuery and any introductions to functional programming they've had (which may be a bit outside their experience now).

My game plan is to do a very basic intro which has them build a few custom interactions (mostly visibility and information nesting, not shape manipulation):

- a) to optimizing/setting-up web ready svg (20-30 min)
- b) basic imports with html/js/jQuery and visibility manipulation – group selections, fading layers, adding tooltips/hover/click interactions (30-45 min)
- c) creating objects to feed info into more systematic functions – having them 'build' table-like data for nesting options/deeper interactions – as an analog to their d3 data arrays / mapbox csv layer reading (all the time left...)

I realize their familiarity with js is minimal... so we'll likely spend a bit more time in b) doing selections and b/c) working with js array functions (map, filter, forEach, etc.) so they get a sense of control in selectively working with elements. We won't have anything that 'sexy' at the end, but I hope they'll feel a bit emboldened to wade into the code itself in addition to using plug-ins.

I'm going to create some lesson files this weekend (and a git repository) – a messy svg, the import base of html/js, a starter data object in js – and I've got a more polished html/svg/jpg demo which needs refactoring for beginner legibility. I'll split the tutorial into 10 minute segments, as I build out this weekend, and will likely have some additional references/documentation links from that process.

I don't want to add too much to their plates – in terms of reading/tutorials – but I'll forward some links tonight should anyone want to get oriented - useful explanatory sites, with functional programming examples, and the core places to focus in Mozilla's js and dom element documentation, jQuery events, etc.

Let me know if that sounds crazy, redundant, or torturous... I can refocus materials a bit.

Best,

Meg

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**Meg Studer (Siteations)** <studer@siteations.com>

Wed, Oct 25, 2017 at 10:38 PM

To: "Studer, Megan (ms5kh)" <ms5kh@virginia.edu>, Andrea Hansen <andrea.l.m.hansen@gmail.com>

Andi,

So this is a partial list of technical resources students can look at for the lesson. None of these are absolutely required - they'll just make it easier to follow, as I may reference these knowledge bases. I have no patience for video tutorials (even at 2x), so it's weighted toward browsing/looking at documentation.

Here goes (*italics are very encouraged*):

### SVG/SVG optimization

- browse thru SVG on MDN: <https://developer.mozilla.org/en-US/docs/Web/SVG/Element>, <https://developer.mozilla.org/en-US/docs/Web/SVG/Attribute>
- *tips for SVG optimization - from ai to html/js usage*: <http://www.sarasoueidan.com/blog/svg-tips-for-designers/>
- *boilerplate for loading SVG into js for quick prototypes*: <http://tomgermeau.com/2014/02/how-designers-can-create-interactive-prototypes-with-illustrator/>

### JS working with objects and functional programming

- *brush up on basic js with MDN*: <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide> (look at functions, indexed collections, working with objects)
- keep the array and object prototype functions MDN documentation handy: [https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\\_Objects/Array](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array), [https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global\\_Objects/Object](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)
- for those with extra time (ha ha, after grad school, right?), check out Eloquent JS: <http://eloquentjavascript.net/> (look at functions chp 3, data-structures chp 4) and look at further reading in <https://github.com/getify/You-Dont-Know-JS>

### jQuery review (what we'll be grabbing from for selection, easy event animation)

- we'll pull from ajax/shorthands, selection, manipulation, traversal, (etc.): <http://api.jquery.com/>
- if folks feel rusty, peer through the *jQuery Essentials Training on Lynda*... quick intro section to have a basic sense of the tools <https://www.lynda.com/jquery-tutorials/Welcome/494389/539689-4.html>

I'll probably sneak in some css animation too, but there's more than enough above. I'm also presuming they've all got mamp or node/npm and http-server installed for the jQuery ajax calls.

Best,

meg studer

Founder, Siteations Studio

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**Andrea Hansen-Phillips** <andrea.l.m.hansen@gmail.com>

Thu, Oct 26, 2017 at 11:05 AM

To: "Meg Studer (Siteations)" <studer@siteations.com>

Thanks Meg, this is excellent. I think the scope is well within their wheelhouse, and I like the way you have it designed so the most critical stuff is first. I'll forward these resources along to the class so they can review in advance of next week's class. A few things:

- We have done a basic intro to SVG, so they should at least be familiar with what it is and how to create SVG graphics, but the optimization tips will be new and very useful
- I actually had them just set up a simple python httpserver in terminal for all of the tutorials we've done thus far, no mamp or node/npm yet. Would probably prefer them using mamp rather than node since it's so easy and doesn't require terminal usage. I noticed this past week that most of them have abandoned the simplehttpserver and are just opening files in a browser, so this will be a good opportunity to rid them of that bad habit (and explain why it's a bad habit to get into).
- Also note that we haven't actually covered any jQuery in class. I've gone over it with a few of them on a case-by-case basis, and alluded to it here and there as another common library, but most haven't used it yet, so if you don't mind a basic intro, that would be wonderful.

Thanks so much!  
Andi



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**Meg Studer (Siteations)** <[studer@siteations.com](mailto:studer@siteations.com)>  
To: Andrea Hansen-Phillips <[andrea.l.m.hansen@gmail.com](mailto:andrea.l.m.hansen@gmail.com)>

Thu, Oct 26, 2017 at 11:33 AM

Andi,

Great. We'll go with python http.server (or SimpleHTTPServer) and remind them of cross platform issues. . . and I'll anticipate a bit more time on jQuery selection/traversal for setting up animations; which means I'll probably prep the starter objects/datasets more thoroughly so we can spend more time on function creation for dynamic reloading and manipulation.

I'll give you a heads up when the github repository is ready... like Tuesday or Wednesday next week.

Cheers,

**meg studer**

Founder, Siteations Studio

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**Andrea Hansen-Phillips** <andrea.l.m.hansen@gmail.com>

Thu, Oct 26, 2017 at 1:43 PM

To: "Meg Studer (Siteations)" <studer@siteations.com>

Sounds good, thanks!

[Quoted text hidden]

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Sent from Gmail Mobile