

For spring: 1-11 > 2/4 & 2/6
Nice to have for spring 12-19
To consider in the short term: 21, 23

Trello-ized here with estimates: <https://trello.com/b/QiSZGAFG/iu-netcreate>
(see "SPRING 2019..." lists.)

(Haesol) Before we start:

- Move the current version of NC to the Github for public access (Using Kalani's account?)
- Can we do Spring data collection FEB 4 AND FEB 6?
- Talk to Ben and Dave about NetSci conference (in June, 2019) poster focused on tool and open-source release with creative-commons license (attribution)

- ~~1. Logging (any changes?) — fine, don't need any changes.~~
2. Data Structure Review
 - a. HIGH PRIORITY: Creation: Group identifier added to JSON. How hard would it be to have both group and individual identifier (Group hash plus a number, and each student tells us what number they were?)**
 - i. We want to be able to see individual edits or contributions
 - ii. But in class we want to highlight what a given group did from the front of the room, or see who changed their node
 - b. Most Recent Update: Group number as an attribute (same as above - can we see individual and group and sort on either?)
- 3. HIGHEST PRIORITY: Display while offline**
 - a. Finish class, instructor triggers a save, have a file (e.g. a self-contained HTML file with current dataset) that they can share with students so students can view (and not edit) the network (after the server disappears being shut off).**
 - b. Can we log the amount / type of access in any easy way? If we put this into Canvas maybe?**
4. HIGH PRIORITY Edge highlight ala google fusion tables
 - a. Mouse over node shows immediate edges and fades edge color of nodes not linked**
- 5. HIGHEST PRIORITY: Zoom buttons**
 - a. +/- zoom buttons**
6. Something that controls the node size in the case of a giant Alexander-sized node and/or adjusts edge length so that we don't see overlapped nodes
 - a. Put a max node radius in template -- easing function if possible
7. Some statistics (Degree centrality display in Node)
 - a. HIGH PRIORITY Number of connections (degree)**
 - b. Modularity / community detection?

- c. Eigenvectors? Kalani will ask about calculations and algorithms.
- 8. Filter display (for Spring or beyond)
 - a. Others? Change over time: HOW TO?
 - b. Filter by:
 - i. Visualize group entry history (Can we show different color of the network for each group when they click the group number or something?: to give more awareness to each group about their progress)
 - ii. Node type
 - iii. Group Number
 - iv. Edge relationship type -- multiple selection
- 9. **HIGH PRIORITY Error on editing the same node**
 - a. Locking out nodes as they're being edited
 - b. Show message: "Someone else is currently editing this node."
- 10. **HIGH PRIORITY Nodes / edges with same title**
 - a. Warn (with a template message): "You're entering a duplicate. Do you want to edit the existing, or is this an actual entry" (IU team will find wording that emphasizes need to confirm duplicate entry without discouraging possibility of two historical figures with same name)
 - b. Will address with delete/merge option
- ~~11. Highlight most recent better~~
 - ~~a. Taken care of by group node creation filter~~
- 12. **HIGH PRIORITY Delete button (easily turned on / off)**
 - a. Function: click delete. If there are edges, offer to leave them, move them to a specific node (selected it) or cancel.
 - b. Template can define whether delete button is available or not for clients
 - c. This is always visible for the admin (access appserver via localhost, provide a flag)
- 13. **HIGH-ISH PRIORITY Drag and drop size of sections / the table viewer (low priority) and header row locked during scroll (i.e. make sure header buttons and column titles are visible at all times) IN PRIORITY ORDER:**
 - a. Lock the header row.
 - b. Resize the height of table
 - c. Lock "Show Node Table" button
- 14. Network neighborhoods
 - a. Color by groupings rather than by node type
 - b. Selectable in Filters panel
- ~~15. Export to Gephi~~
- 16. Mouseover field definitions
 - a. For form.
- 17. **HIGH-ISH PRIORITY Color-coding key displayed on-screen**
 - a. Legend
- 18. Make a button or similar to get group codes
 - a. On the admin page

19. Safari (MacOS)

- a. Adding edges doesn't work -- node selected as source and target and save button.

20. Reserve \$ to incorporate from SEEDS (Electron)

21. Branding:

- a. About us page
- b. IU, IDAH, Inquirium, Dave
- c. Give credit to NSF and CRLT
- d. URL to NetCreate for more info

22. (dave: security?)

- a. Can assume that no one is putting things private and it's being run on a secure private network.
- b. Any more security is for the next grant.

23. (dave: public repo setup/management?)

- a. Not ready to go completely public.
- b. Kalani will host on her github account.
- c. Inq can write up scenarios for managing it / pull request updates

24. BEN: Spring Date?

- a. 2 days @ 75 min or 3 days -- Assume feature complete for Spring 2018.
- b. Fall 2019 3 days
- c. Spring 2020 3 day class