

SI649/EECS598, Fall 2015 -- In Class Design

November 3, 2015

Your goal today is to design a user interface for tracking the evolution of a website. There are many questions one could ask about how a website changed. *You will not address all of these in your visualization.* I do, however, expect you to focus on changes in behavior (not just a short snapshot). So please don't redesign Google analytics' Sankey diagram (which tracks flow, but not change).

You do NOT need to read everything to start. Just read what you need for the next step.

Step 0 - Make a google doc

Make a Google Doc that is shared with all the members of your group and with myself (eytanadar@gmail.com). As you go, please upload snapshots of your work.

Step 1 -- 15 minutes -- Domain tasks

Divide up the *domain cards* equally among your group members.

- Each person should put down the **three** cards in their pile that they think are the MOST important for the domain (there are duplicates on purpose)
- The group should come to an agreement about 3-5 domain tasks from the cards each person picked. These will be the "requirements pile" (You can do this by voting according to your preference).
- The constraint: *you must have at least one USAGE card (blue cards), one STRUCTURE card (yellow cards), and one INTERSECTION card (green cards).* If your group's intersection card requires something about usage/structure that wasn't selected ("sub-tasks") add those to the "required" pile
- **Take a picture and upload it to the google doc**

Step 2 -- 15 minutes -- Data

Make a list of all the data you need to do your domain tasks

- Each person should do this initially *on their own!*
- Use a blank sheet of paper.
- Once each person is done, present to the group and come to a consensus on the best (or a new) description.
- **Take a picture and upload to the google doc (both the individual and group consensus).**

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Step 3 -- 15 minutes -- Abstract Tasks

Divide up the **abstract task cards** equally among the group members.

- Everyone should do this at the same time (in parallel). If an abstract task card describes a thing you need to achieve a domain task in your working pile, put that next to the domain card (do not discuss as you go).
- If it matches more than one domain card, put it next to the best match.
- Once everyone has put their cards down, make sure you agree on the choices.
- **Take a picture and upload to the google doc (the group consensus).**

Step 4 -- 15 minutes -- Individual Sketch

On your own draw a visualization solution that will best satisfy the domain and abstract problems put down on the table.

- There is a third deck with “**layout/examples**” and “**inspiration**” that you should flip through for ideas
- Do this independently at first, and then discussion the solutions each has proposed.
- **Upload a snapshot of each person’s solution to the google doc.**

Step 5 -- remaining time -- Consensus Sketch

Come up with a “best” solution that combines the best aspects of each individual design.

- Make sure that you are still satisfying the domain/abstract tasks.
- So if you said you wanted the visualization to “express” something, it should!
- and then make sure the choice is effective.
- **Upload a snapshot to google doc.**