SI649/EECS598, Fall 2015 -- In Class Design

November 24th, 2015

Your goal today is to design a user interface for **plagiarism checker**. Accusation of plagiarism towards a suspicious document needs to be supported by evidence. Given a **suspicious document** and other sources (**original sources**) that could be possibly used without proper reference, anti-plagiarizing experts (teachers, students, communities and etc.) need a visualization tool to assist the verification, assessment and presentation of the relationship between suspicious document and original sources. In part, the algorithms that report these are unreliable and need to be checked by a human "expert."

Refer to the *dataset sheet* for different categories of plagiarisms. *You will not address all of these in your visualization*. **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

1. Shuffle the domain cards
2. Divide up the ***domain cards*** equally among your group members.
3. Each player should read his/her domain cards, and pick **three cards** that are MOST important for the domain. Use blank cards to create new domain tasks if necessary.
4. 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).
5. **Take a picture and upload it to the google doc**

Step 2 -- 10 minutes -- Data

1. On the sample data sheet, circle the data that are needed for each domain task. Add data variables to the sheet if something is missing.
    a. Each person should do this initially *on their own!*
2. Once everyone is done, present to the group and come to a consensus on the best (or a new) description.
3. **Take a picture and upload to the google doc (both the individual and group consensus).**

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Step 3 -- 20 minutes -- Quick Sketches for Each Task

1. For *each* domain task in the **requirement pile**, *each* player should sketch the **SIMPLEST** solution that support the task.
    a. Label the data used for each visualization (these should be from the list you circled).
    b. Everyone should do this at the same time (in parallel).
    c. Try to do this without relying on interactivity (but use it if necessary)
2. Once everyone has completed sketches for all tasks, present to the group and come to a consensus on the best sketch (***ideal solutions***) for *each domain task*.
3. **Take a picture and upload to the google doc (Make sure you upload all individual solutions and label the ideal solutions).**

Step 4 -- 15 minutes -- Individual Sketch

1. On your own draw a visualization solution that will best satisfy all the domain tasks..
2. You can develop the solution. You can combine some of the simple solutions from step 3 OR create new ones. Consider whether it is possible to combine all of the "**ideal solutions"** together. You can also use simple solutions that are not selected.
    a. Interactivity can (should!) be introduced here
3. There is a deck with "layout/examples" and "inspiration" that you should flip through for ideas.
4. Do this independently at first, and then discussion the solutions each has proposed.
5. **Upload a snapshot *of each* person's solution to the google doc.**

Step 5 -- remaining time -- Consensus Sketch

1. Come up with a "best" solution that combines the best aspects of each individual design.
2. Make sure that you are still satisfying the domain/abstract tasks.
3. So if you said you wanted the visualization to "express" something, it should! and then make sure the choice is effective.
4. **Upload a snapshot to google doc (provide a short description of your idea in the text so we can figure out how someone would use your system).**