

Brainstorming

No screens



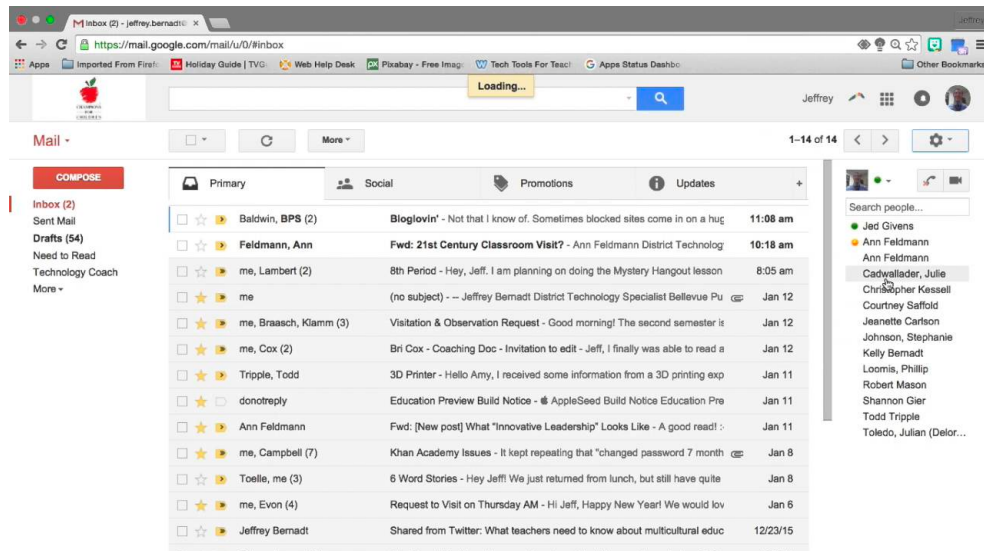
Prof. Lydia Chilton
COMS 4170
19 March 2018

Say your name



Goal 1

Build websites that suit the needs and abilities of users



1. Display information

2. Design interactions

...that allow users to accomplish a goal

Goal 2

When the needs and abilities of users are unclear, design systems by **learning from iteration** and experimentation.

Part 3: Editing the Party Planning Committee

The interface to edit the party planning committee (PPC) is a drag and drop direct manipulation interface as described below.

1. The PPC UI needs to display two lists:
 - 1) a list of all the [employees seen here](#), and
 - 2) a list of people on the party planning committee.

In its default state, the party planning

2. Each list must have a div at the top of it to serve as a drop target.

3. Using JQuery Draggable and Droppable, the PPC list to the head of the of the PPC list, a must also be true: names from the PPC list. This must be implemented in the Mod

4. To cue that an element is draggable, its background turns light yellow, and the

5. While the item is being dragged, the background turns light blue, and the cursor.

6. While the item is being dragged, it should

7. While the item is being dragged, the drop

8. When the item is dragged over the drop

9. If an item is "dropped" anywhere other than where the user started dragging it.

Note:

When the user toggles between the Logging and the Party Planning Committee, the state should be stored in a javascript variable that should be there. However, for this implementation, it is not.

Please submit your HTML, CSS, and JS files, a

Columbia Paper Infinity

Home Log Sales Party Planning Committee

People

- 2: Dwight
- 3: Oscar
- 4: Creed
- 5: Pam
- 6: Jim
- 7: Stanley
- 8: Michael
- 9: Kevin
- 10: Kelly

Party Planning Committee

- 1: Angela
- 1: Phyllis

Keep a list of the party planning committee

Clear needs, abilities, goal

Unclear needs, abilities, goal

6-Week Project (35% of your grade)

Topic: Interacting with **multiple videos**.

This task is purposely ill-defined.

Your first milestone is to **pick a domain and a specific problem** for which multiple videos is the solution.

This assignment is to be completed **individually**.

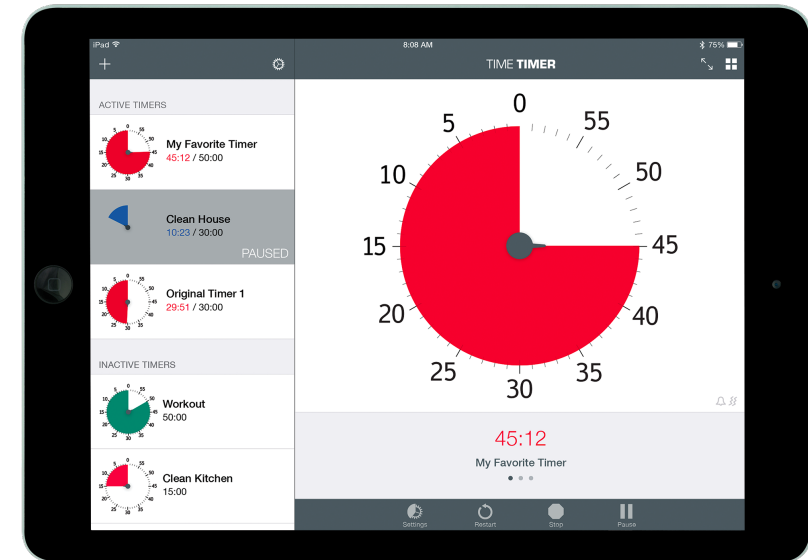
HOWEVER, you will have “groups” to get feedback from and to support your user testing

Example: Domain and Specific Need

Domain: conference talks



Specific need: A timer that first counts down the talk time, then counts down the q&a time so the speaker knows if they are on track

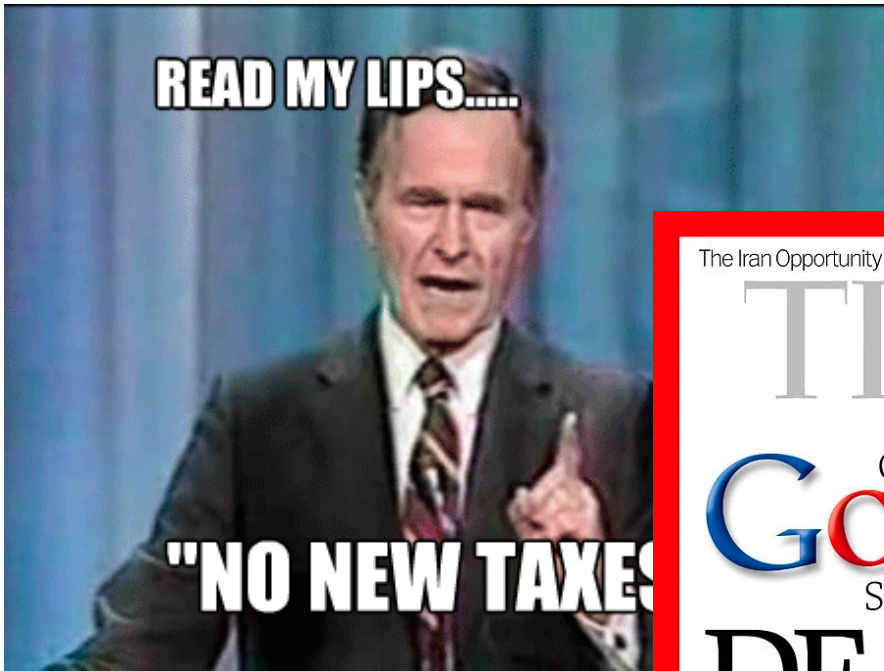


Why Specific Needs?

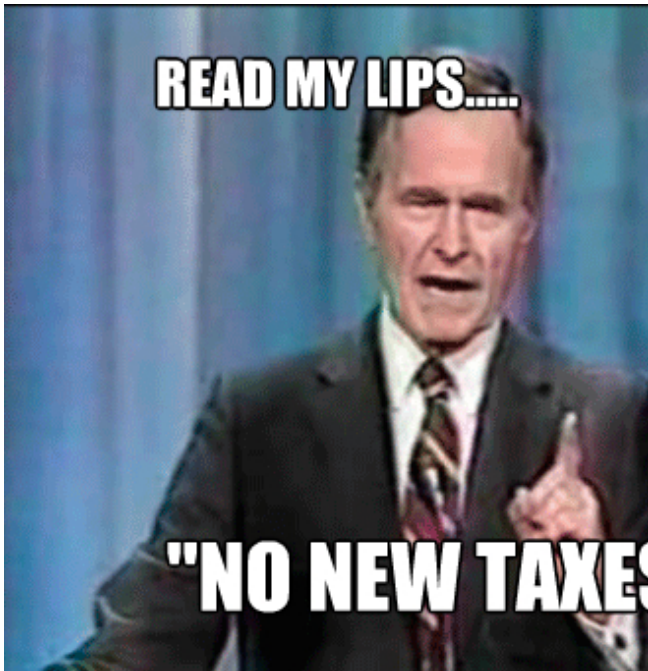
What are the kinds of things
Politicians, Beauty Queens, and Silicon Valley
say they will solve?



What are the kinds of things Politicians, Beauty Queens, and Silicon Valley *say* they will solve?



What's appealing about general goals?



What's the problem with general goals?



They aren't actionable.
You may never start.

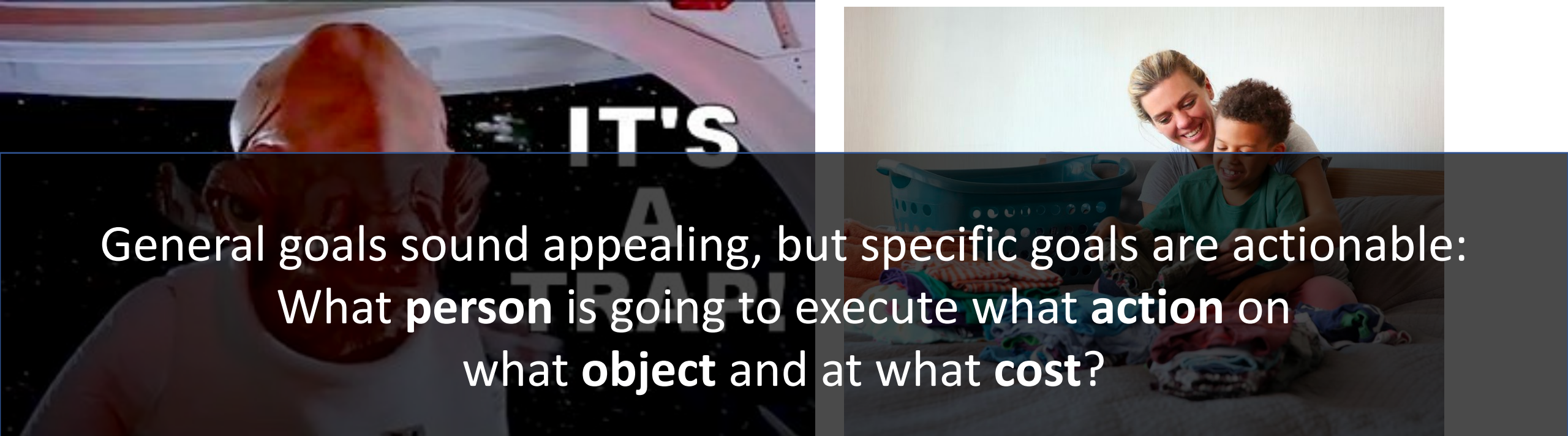
General Vs. Specific Goals

Goal 1:

“Clean the house.”

Goal 2:

“Fold that basket of laundry.”



General goals sound appealing, but specific goals are actionable:
What **person** is going to execute what **action** on
what **object** and at what **cost**?

General goals are actually Domains

Domain:

“Clean the house”

Specific goal:

“Fold that basket of laundry.”



What's the risk with a specific goal?



“Fold that basket of laundry.”

Specific goals can be trivial.

But, if you start specific,
you can usually generalize

Domain

Specific Need

Generalized to



Online shopping

Uncommon books

Clothes,
Food,
Amazon Fresh
Other sellers



Social Network

Harvard students to
look each other up

Ivy League
US Colleges
Everybody



Email client

Web-based
No page reload
Never Delete

Chat
GDrive



G Suite

Domain

Specific Need

Generalized to



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If you start specific, you can usually generalize.

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Web-based

Chat

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Never Delete



G Suite



Why did Sabre (a printer company) buy Dunder Mifflin (a failing paper company)?



DUNDER MIFFLIN, INC.
PAPER COMPANY

Copy Paper
20-lb. 92 bright.
100% fun!

NEW!

Exclusively from Quill.com!

Sale
34⁹⁹ per carton
#901-DMPC18501
Limit total: 3 cartons per customer.
Additional quantities \$39.99/carton
Reg. \$47.99

Buy Now

the office
THURSDAYS 9/8c

Offer good through 1/31/12

* No celebrity endorsement implied
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Supply Chain Distribution: Generalize from Paper Sales to Printer Sales

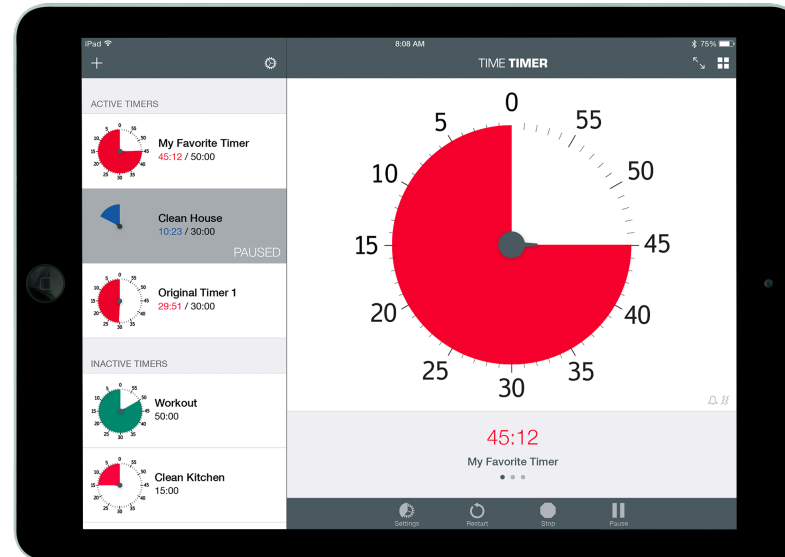


Example: Domain, Specific Need, and Generalization

Domain: conference talks



Specific need: A timer that first counts down the talk time and q&a



Generalization:

Medium talks (20 min)

Short talks (1 min)
* 40 1-min intros in 1 hr

Long talks (1 hr)
* Might take questions during the talk.

If you start general, you may never start.



Short talks (1 min)
Medium talks (20 min)
Long talks (1 hr)

If you start specific, you can usually generalize later.

Brainstorming Exercise

6-Week Project (35% of your grade)

Topic: Interacting with **multiple videos**.

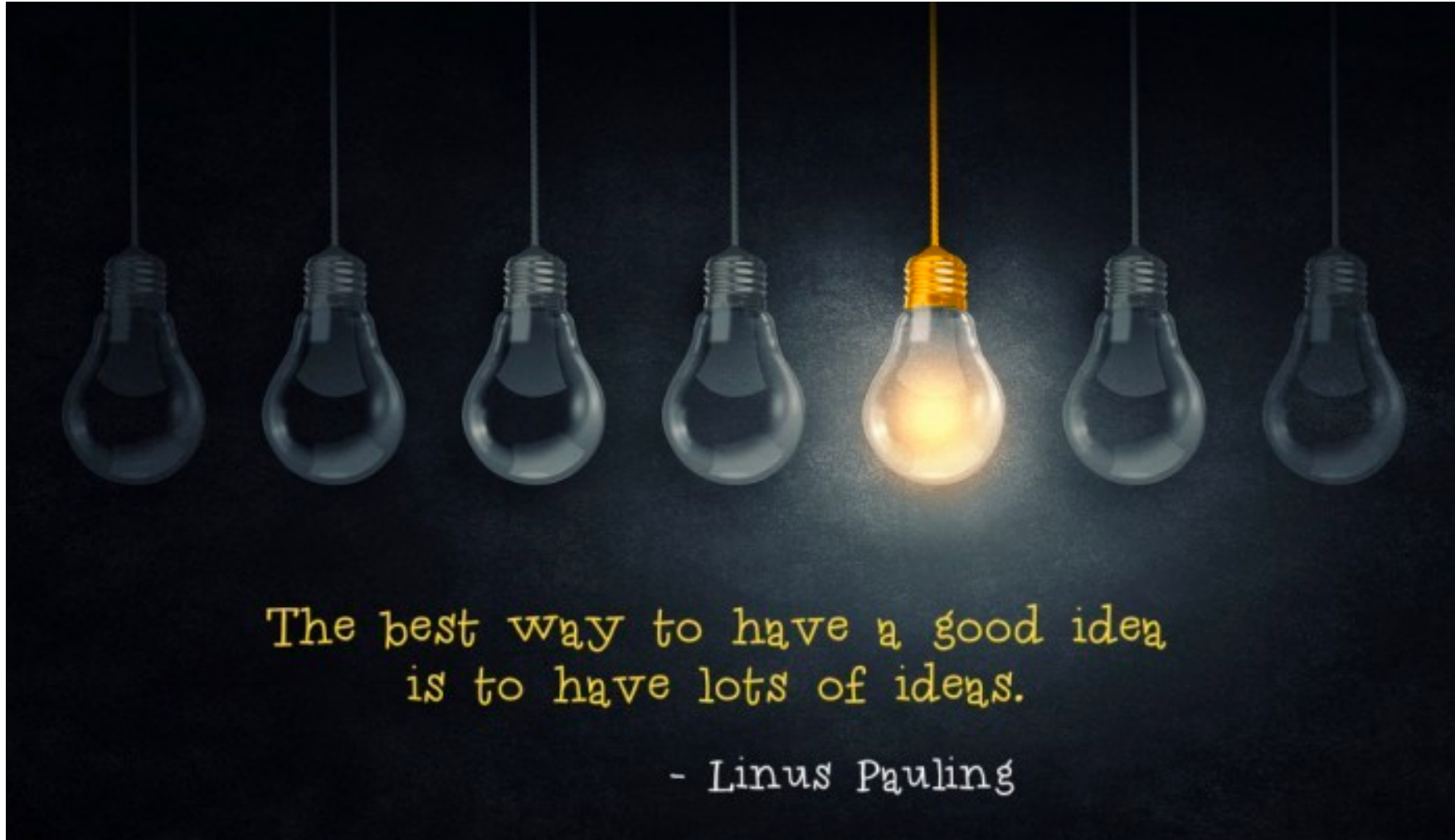
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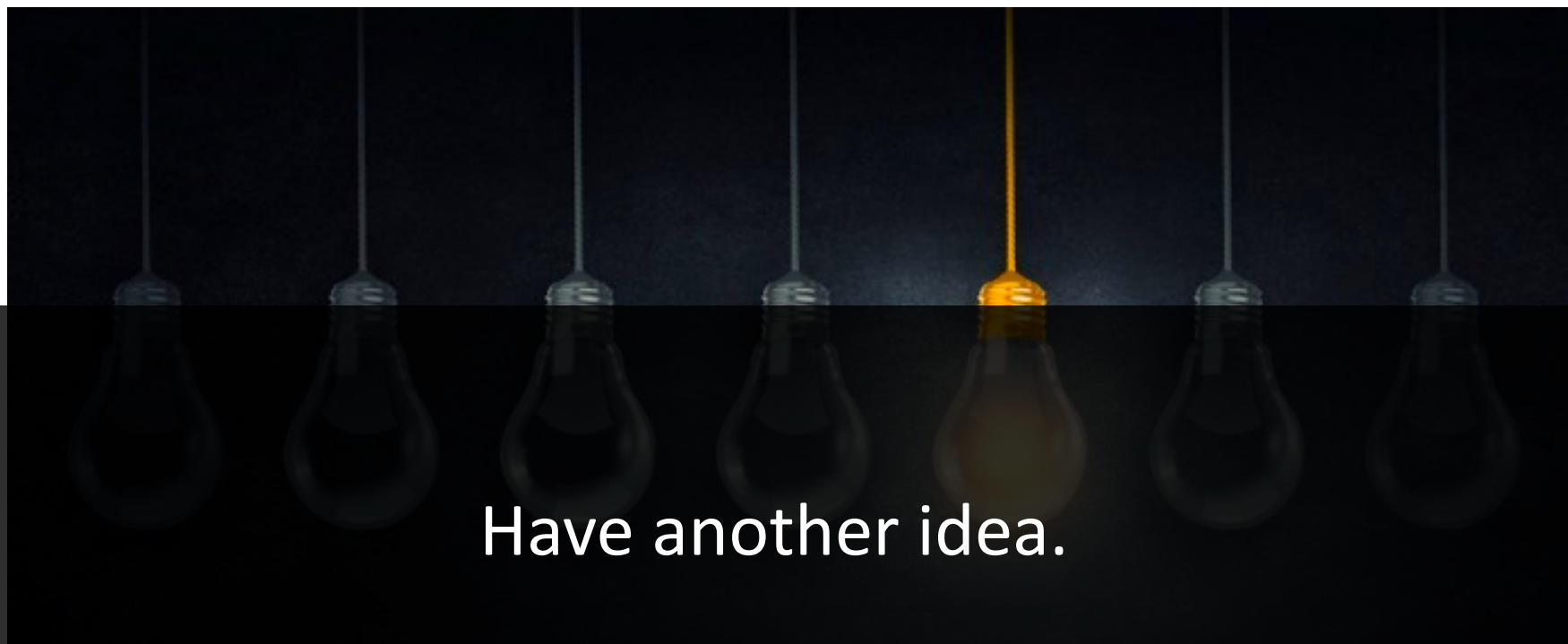
Coming up with the perfect idea can be intimidating



Only rule of brainstorming: **No criticism**



If you HATE someone's idea, what should you do?



Have another idea.

Brainstorm More **Specific Goals**

Domain:

World peace

Domain:

Save the planet

Domain:

Education

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What's one thing somebody else said
that you didn't think of?

Brainstorm: Actions you can do with video



Rick Roll 10 hours

What's one thing somebody else said
that you didn't think of?

Milestone 1:

By yourself:

Brainstorm **3 domains** you are interested in.

For each domain, brainstorm **5 specific needs**.

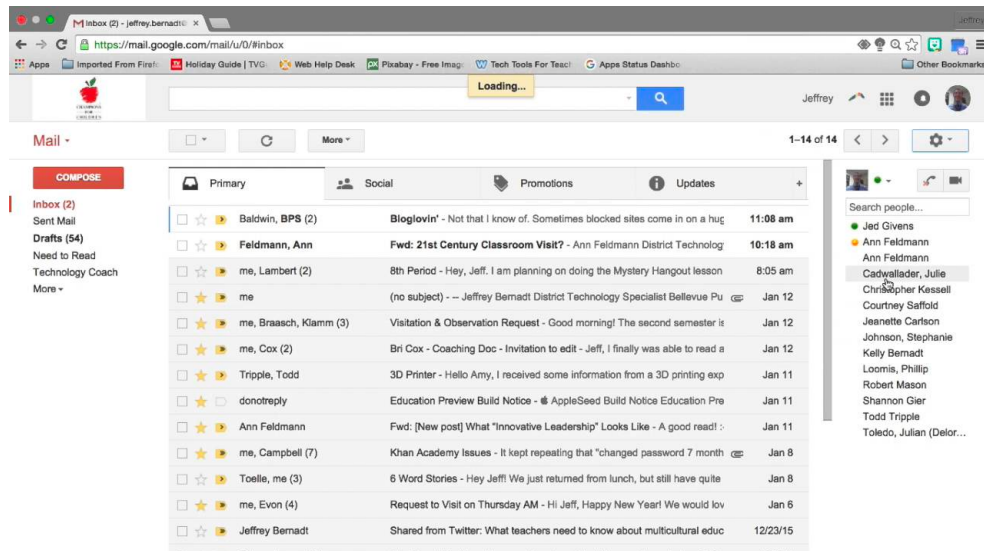
Post them on Piazza by **noon on Wednesday**,
and you will get participation points.

We will discuss them in class Wednesday.

Summary

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- Each list must have a div at the top of the list to serve as a drop target.
- Using JQuery Draggable and Droppable, the PPC list to the head of the PPC list, a must also be true: names from the PPC list must be implemented in the Model-View-Controller.
- To cue that an element is draggable, its background turns light yellow, and the border becomes thicker.
- While the item is being dragged, the background turns light blue, and the border becomes thicker.
- While the item is being dragged, it should have a shadow.
- While the item is being dragged, the background turns light blue, and the border becomes thicker.
- When the item is dragged over the drop target, the background turns light yellow.
- If an item is “dropped” anywhere other than the drop target, the background turns light blue, and the border becomes thicker.

Note:
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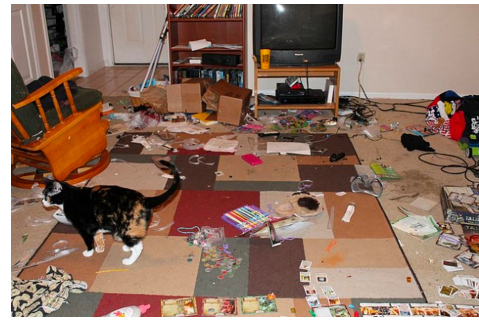
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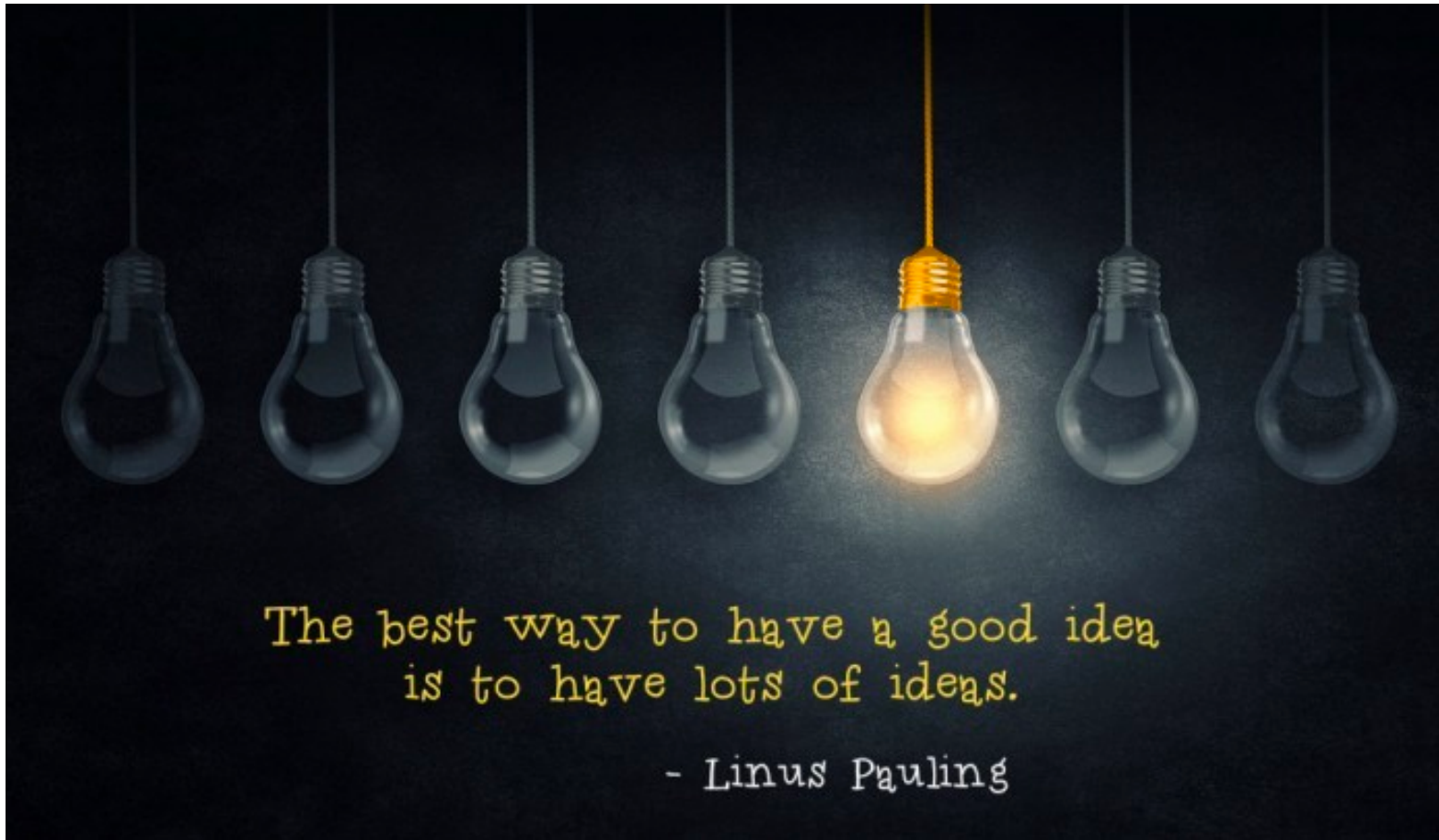
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Save criticism for later.
It impedes the process of having more ideas

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