Chia-Han Chung | Kyle Freed | Ji Soo Yim

Web Development
Storyboarding

Project Manager
User Researcher
Designer

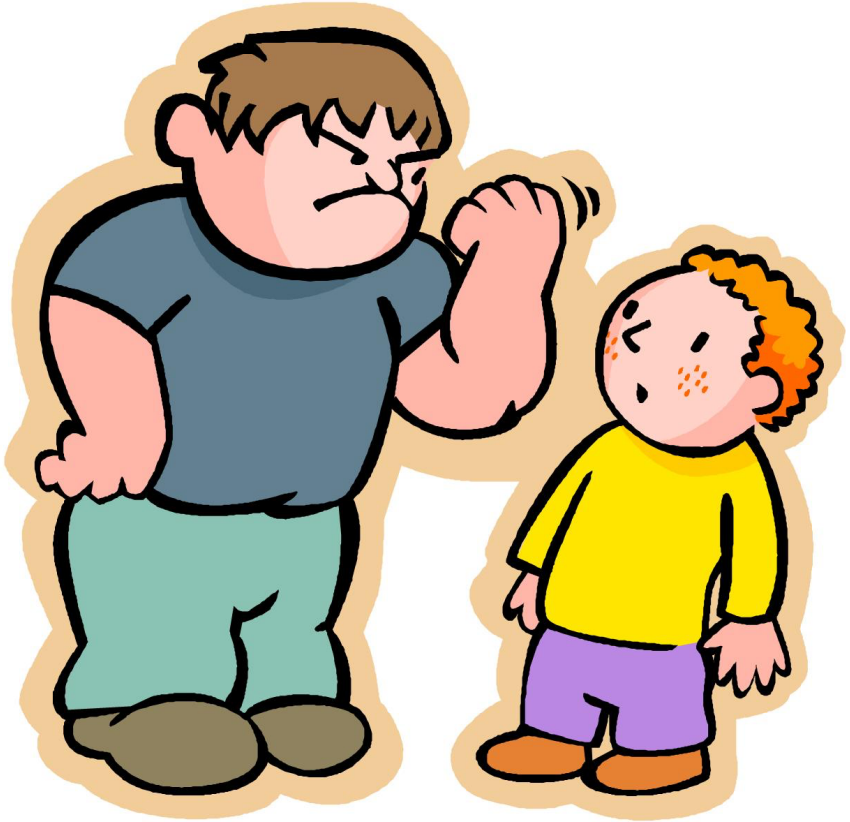
Writer
Storyboarding

Empowering teachers and administrators to recognize bullying related behavior trends and create and evaluate effective solutions.

The Problem

Bullying Statistics

- 30% of U.S. students have experienced bullying[1]
- 70-80% are affected at some time by bullying[1]
- Effects last into adulthood[1]
- Most prevalent in middle school[2]



1 http://www.mhsoac.ca.gov/MHSOAC_Publications/docs/Publications/Bylling_AnUrgentPublicHealthIssue_052413.pdf
2 Bullying researcher

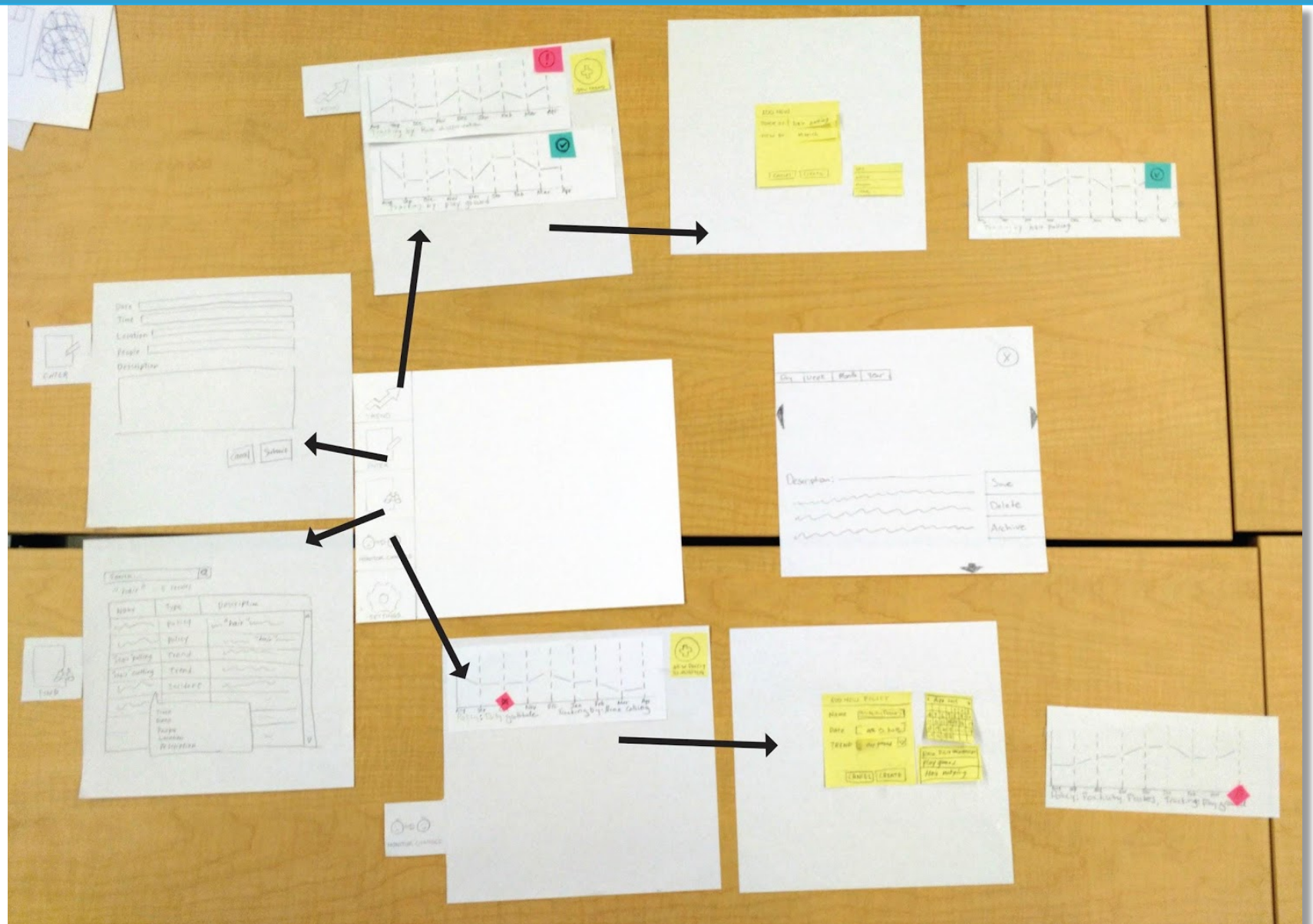
Our Solution

Schoolview

- Enables teachers and administrators to gain insight into trends in negative student behavior
- Informs opportunities to intervene

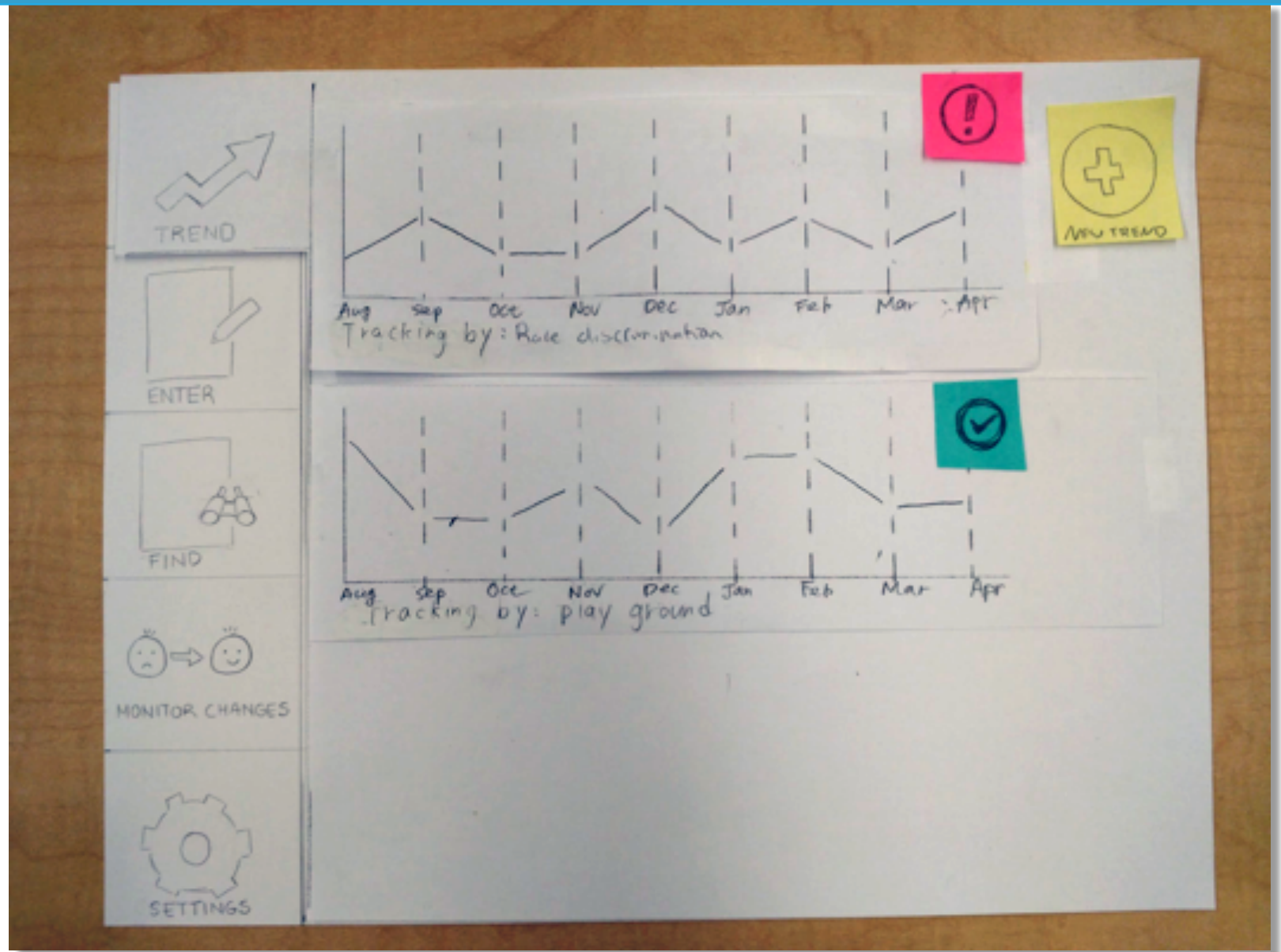
Initial Paper Prototype

Initial Paper Prototype

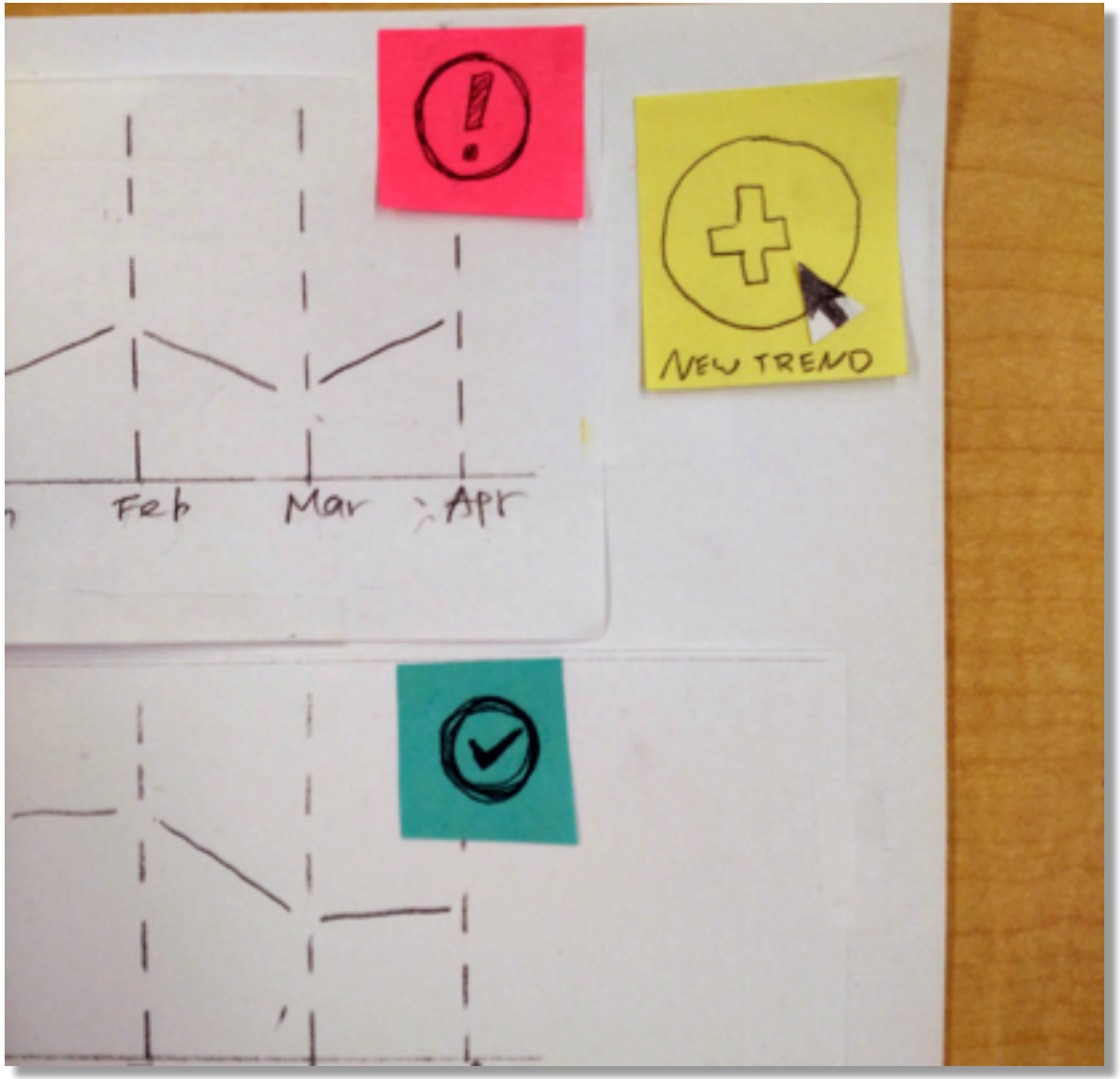


Task 1

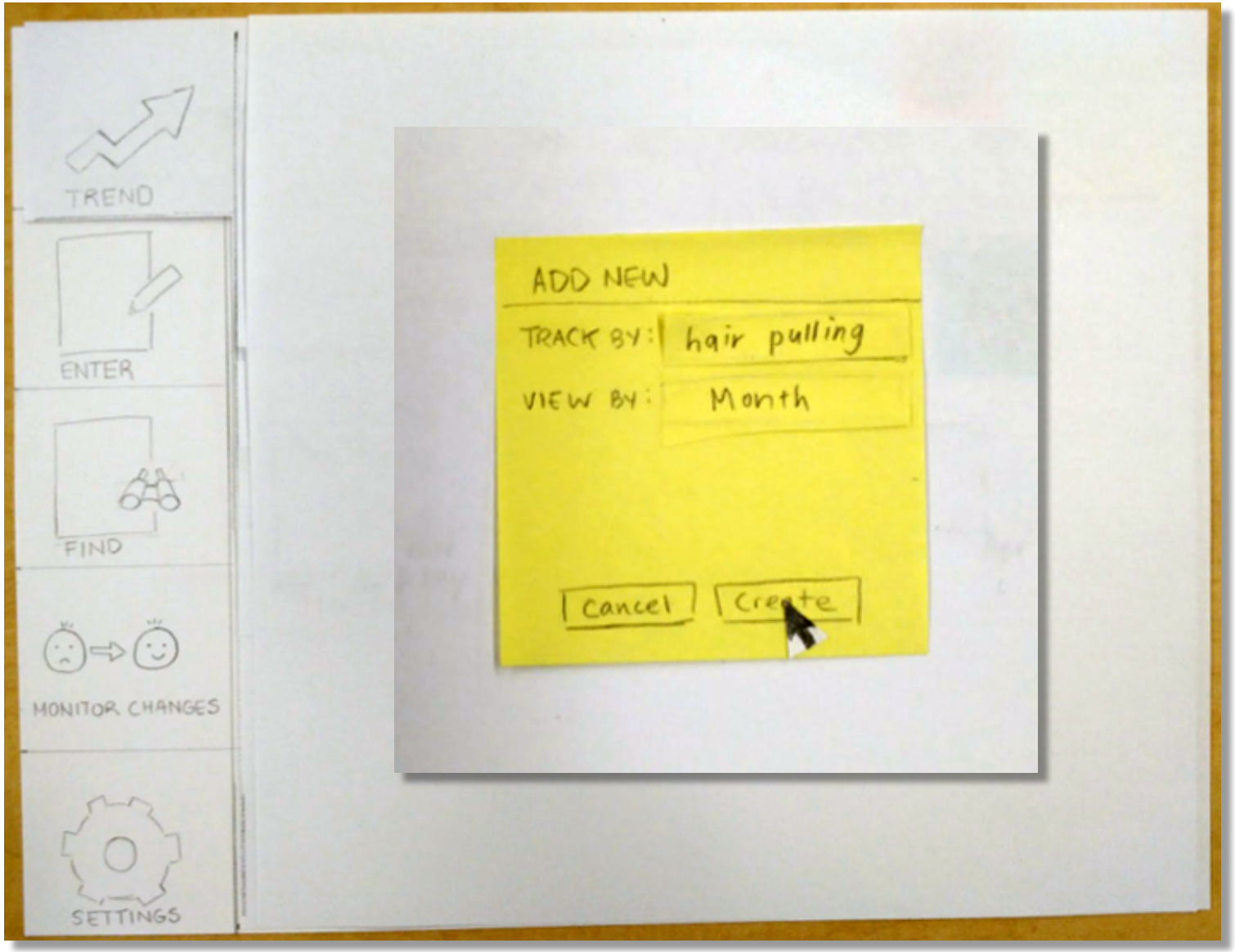
Initial Paper Prototype: Task 1



Initial Paper Prototype: Task 1



Initial Paper Prototype: Task 1



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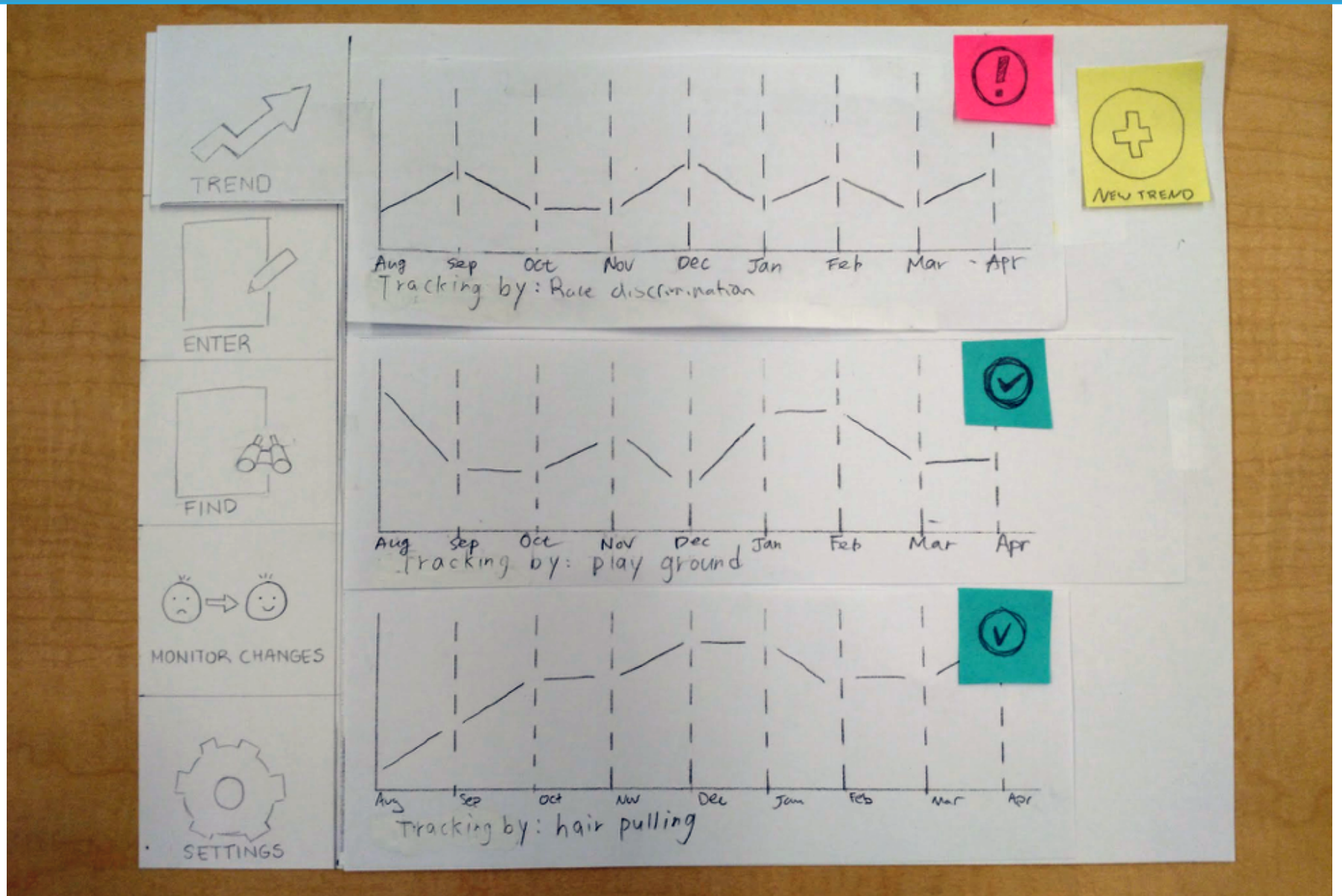

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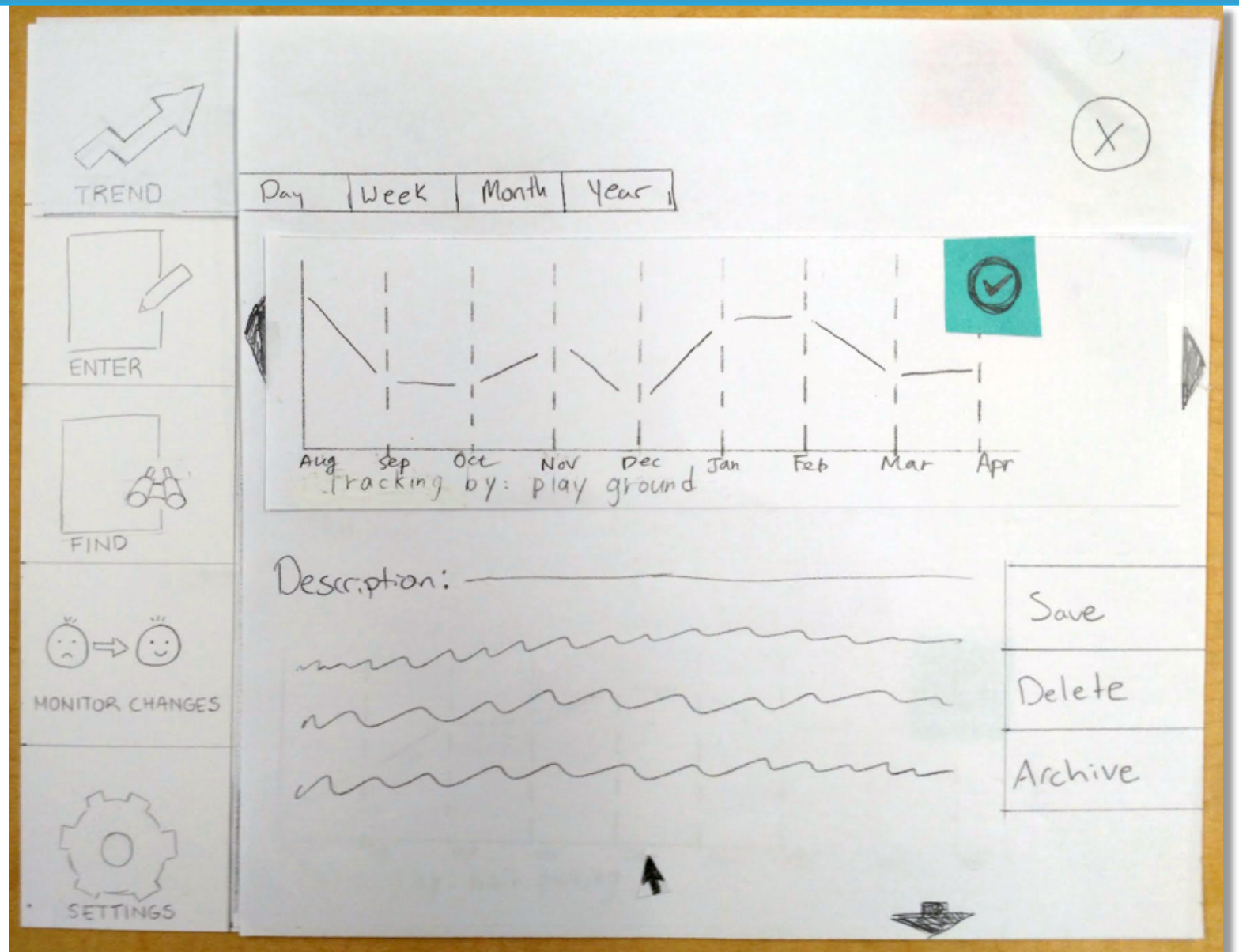

Task 2

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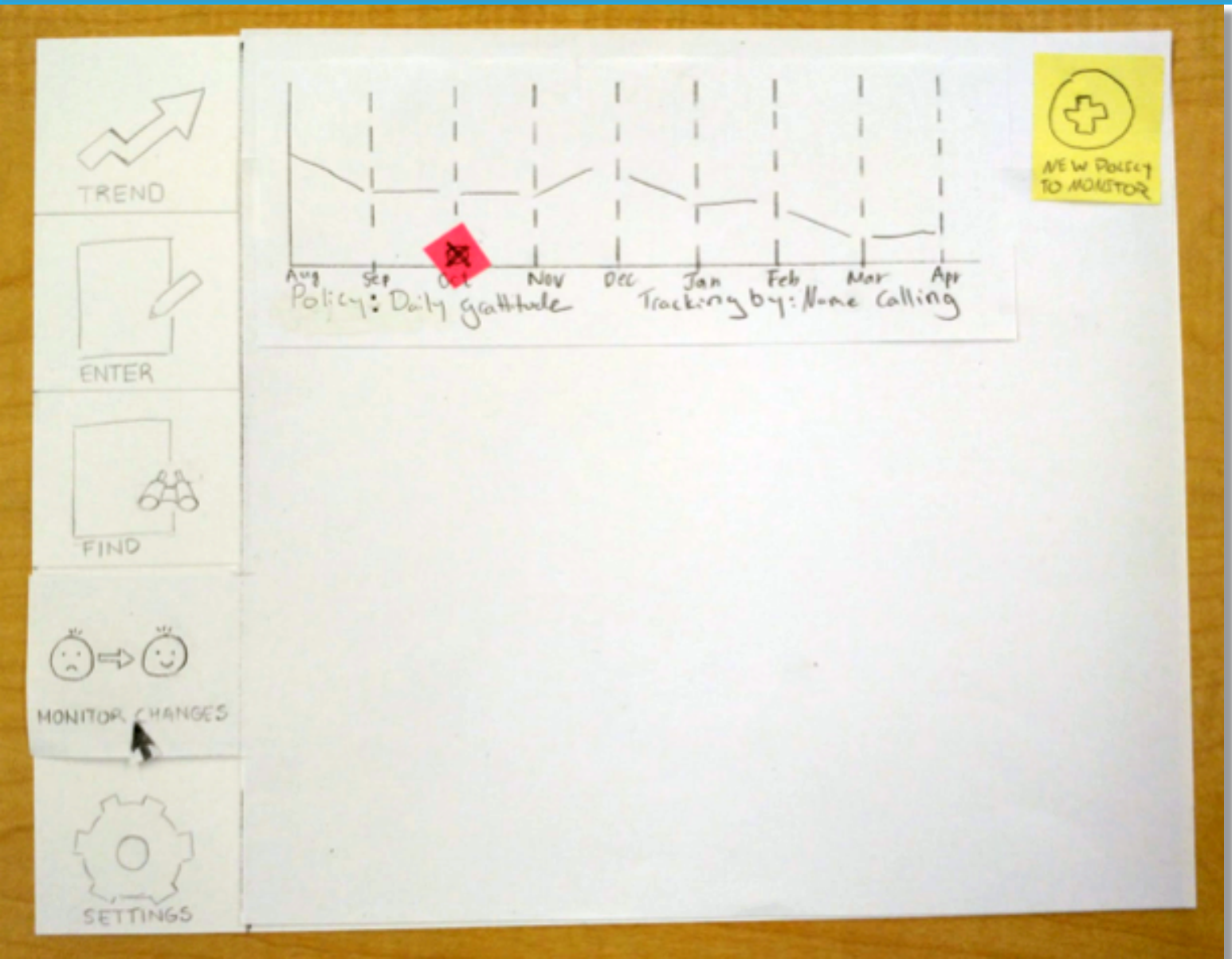
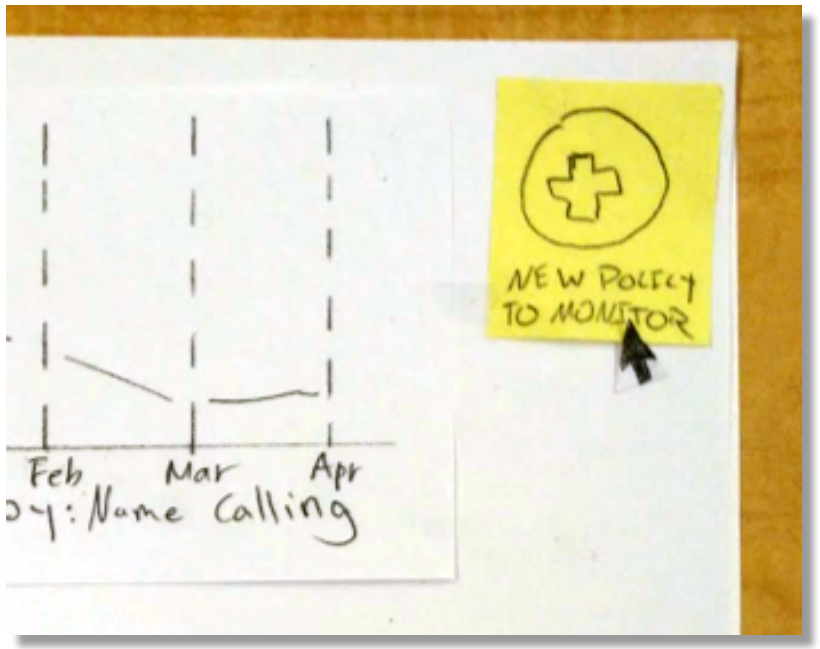
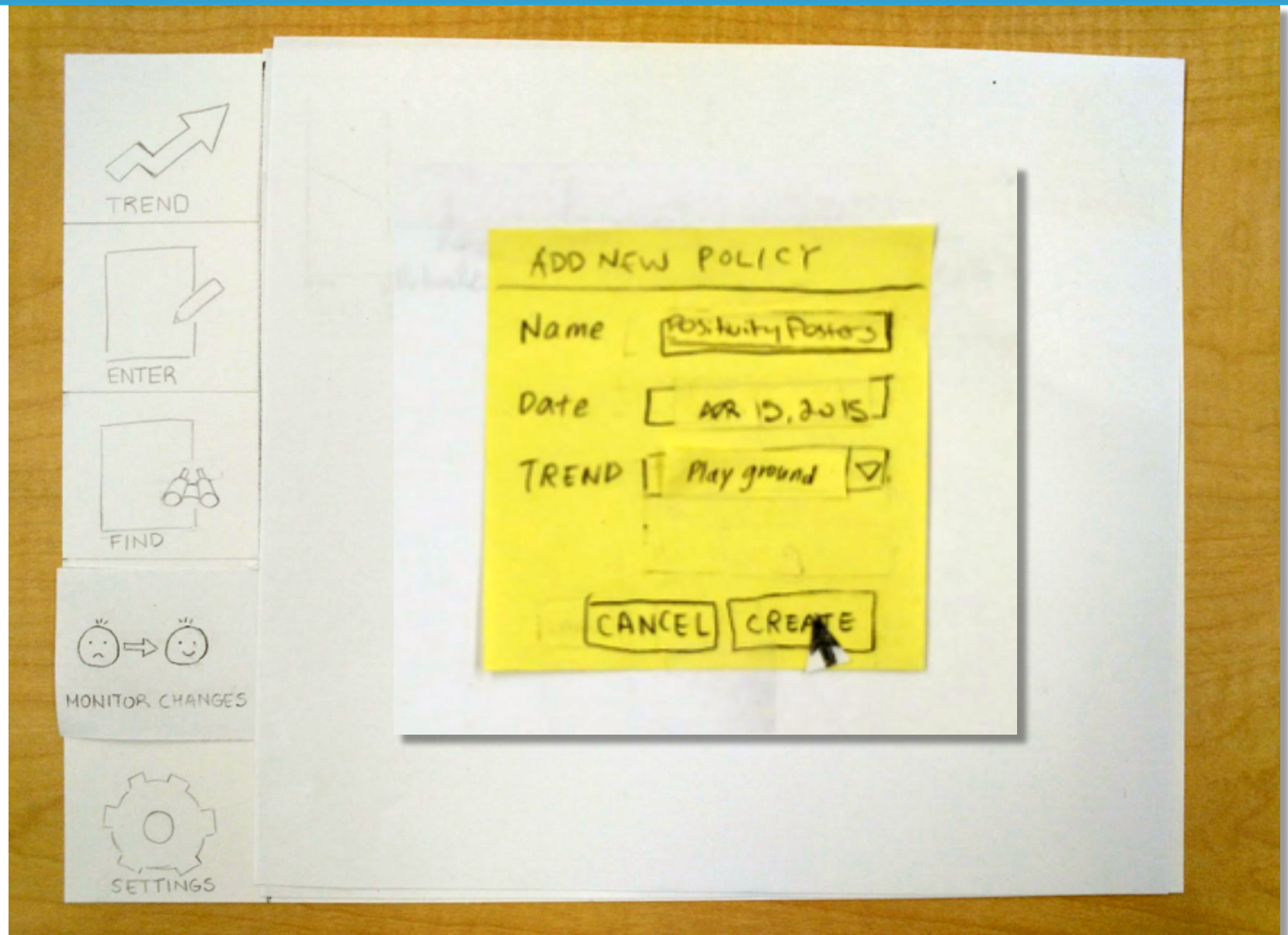




Initial Paper Prototype: Task 2



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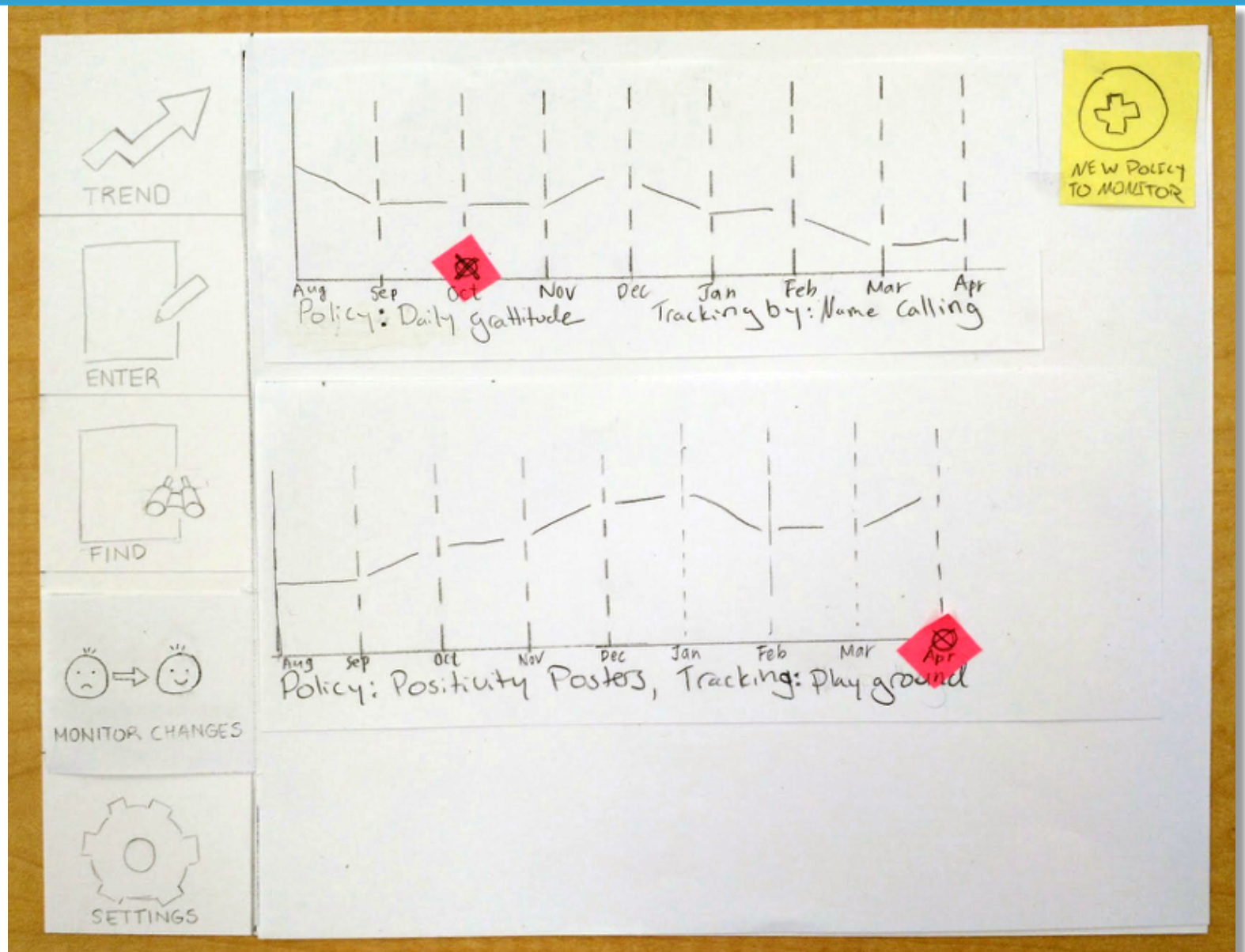
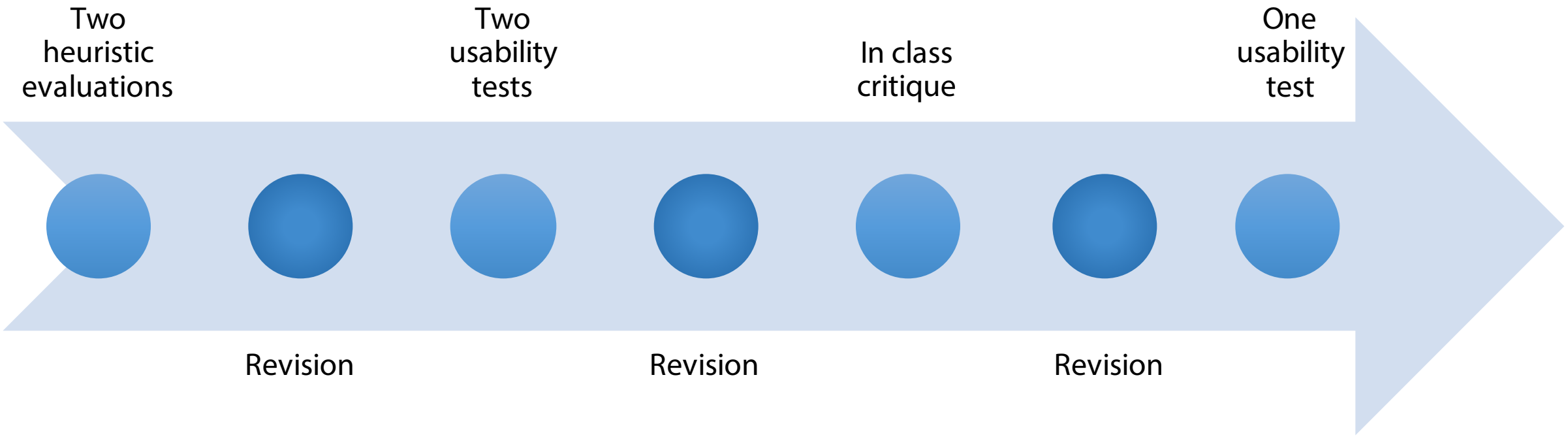


Testing

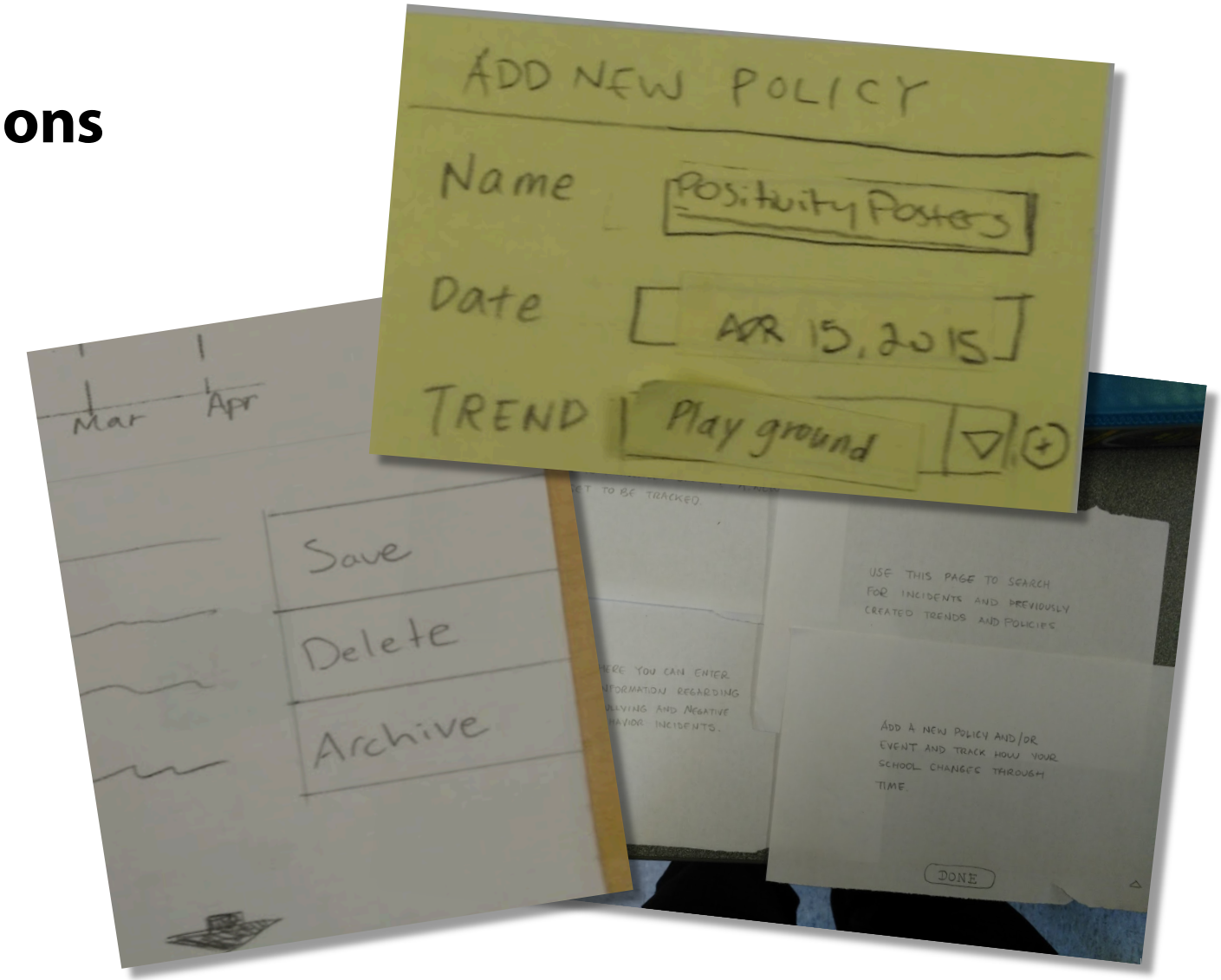
Testing: Process



Testing: Process

Heuristic Evaluation: Violations

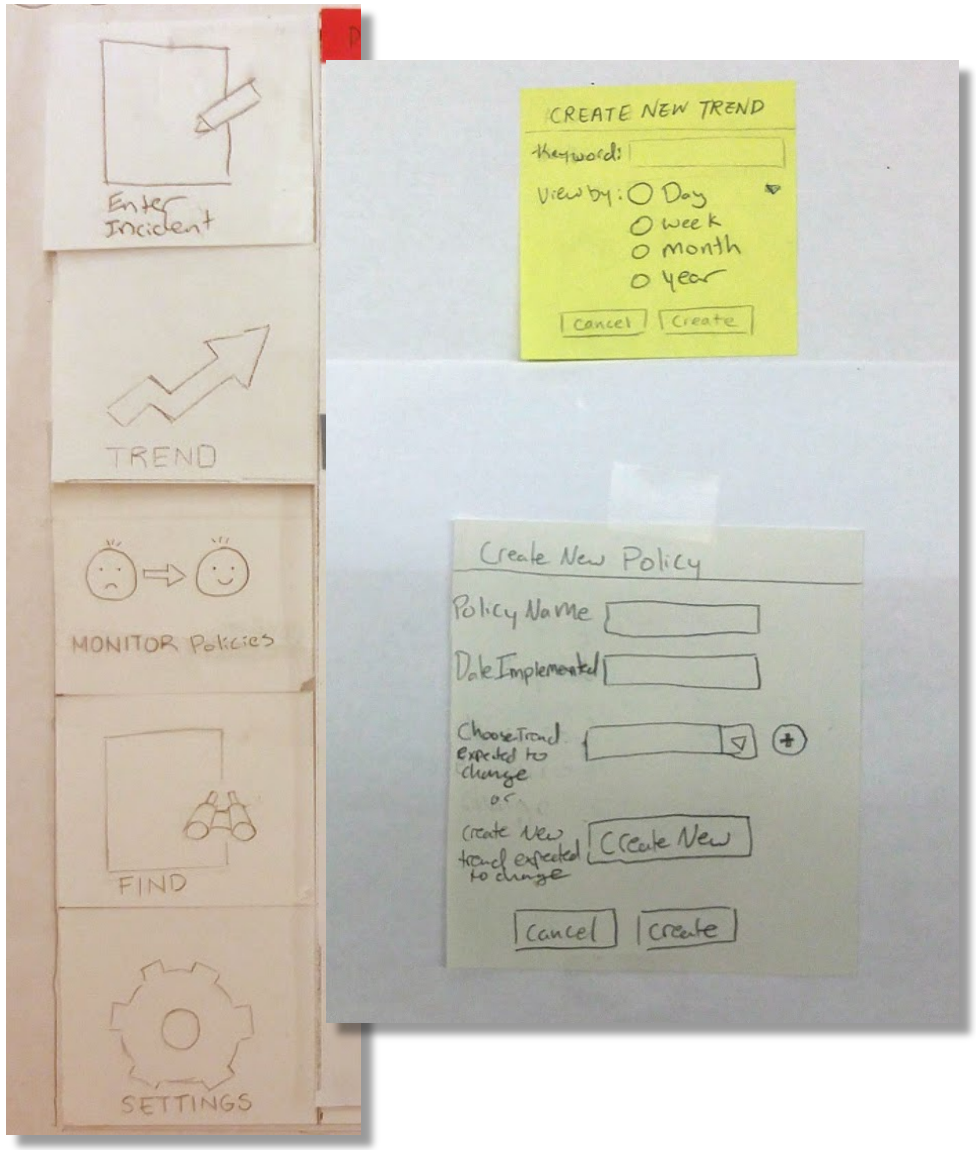
- Consistency and standards
- Help and documentation
- User control and freedom



Testing: Process

Usability Testing:
Participants and Process

- UW students
- Protocol refined over time
- Biggest problems: creation screens, navigation, tutorial comprehension

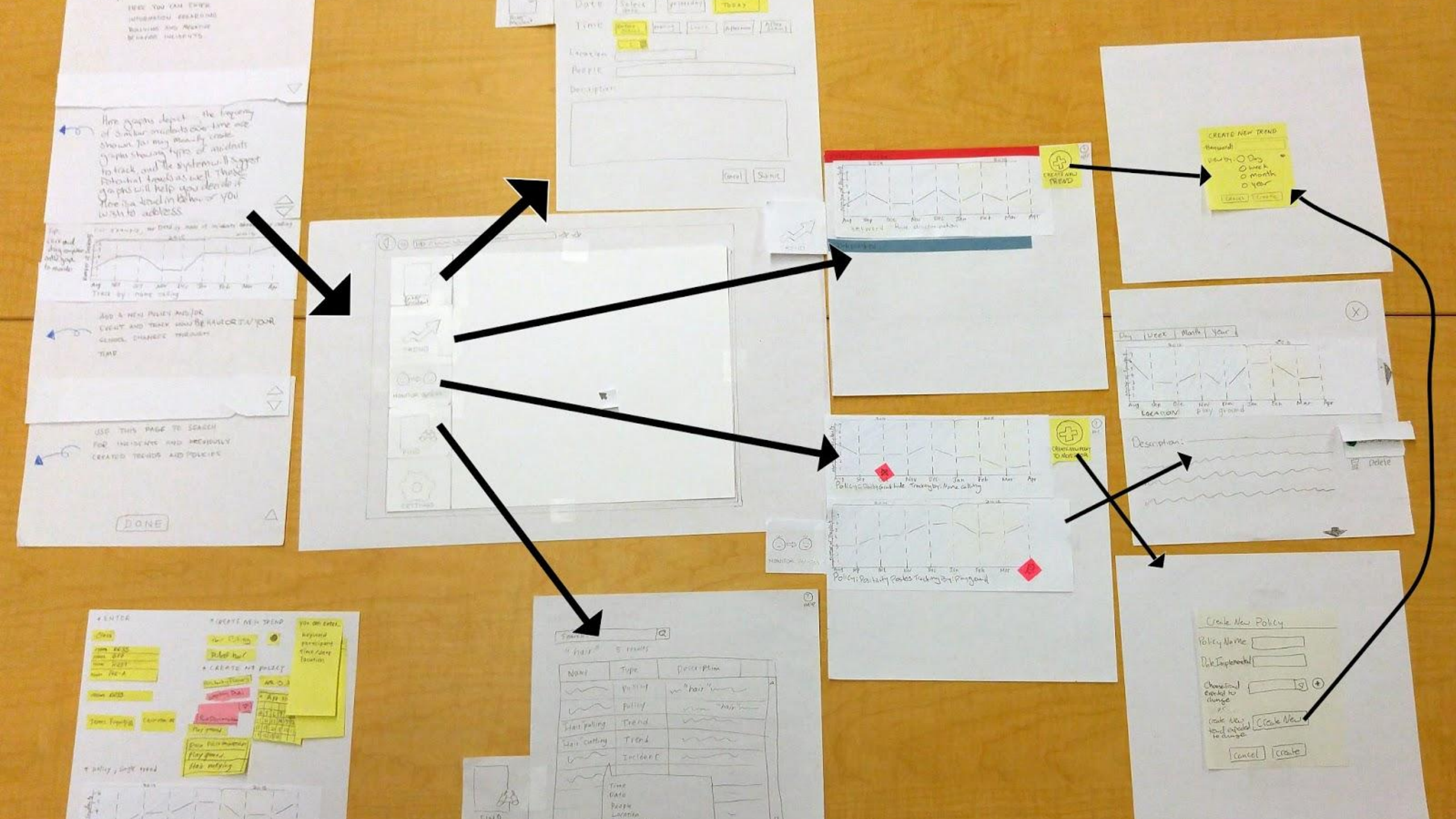


Testing: Results

Most significant changes

- Addition and refinement of tutorial
- Finalizing cohesion and vocabulary
  - Action buttons
  - Creation screens
  - Improving workflow
- Final usability test was very smooth

Final Paper Prototype



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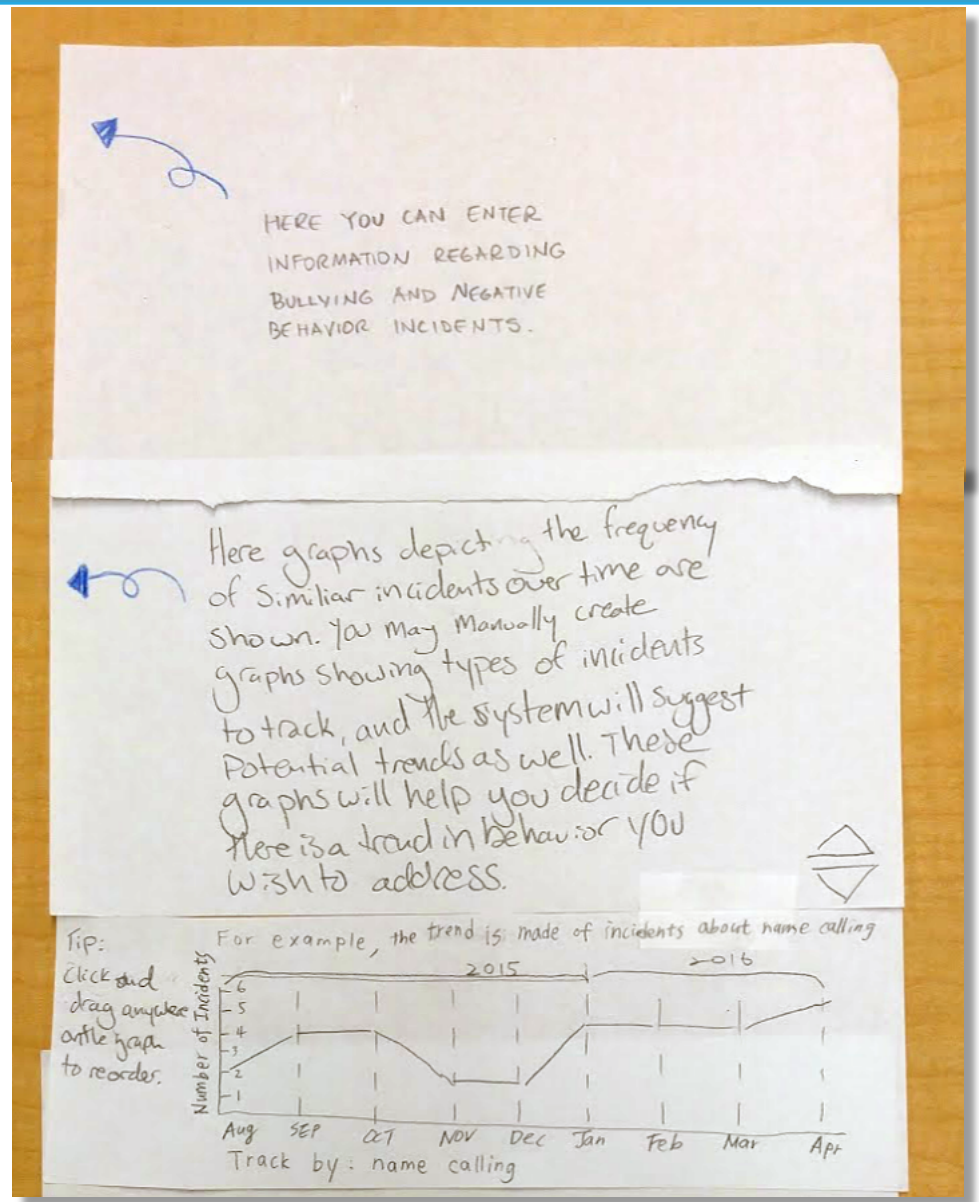
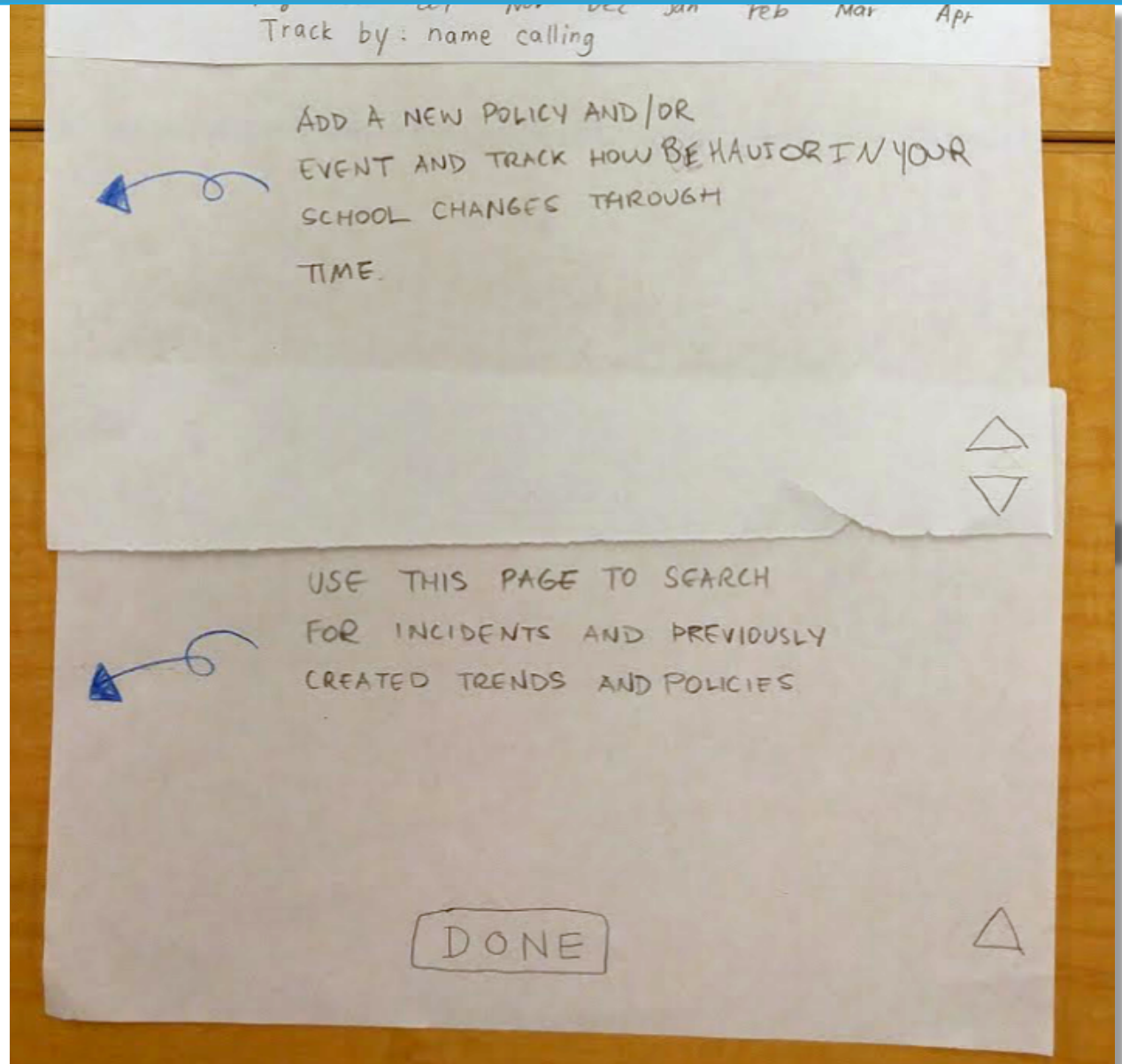
Create New Policy
Policy Name
Date Implemented
Create New
Cancel
Create
DONE

Final Paper Prototype





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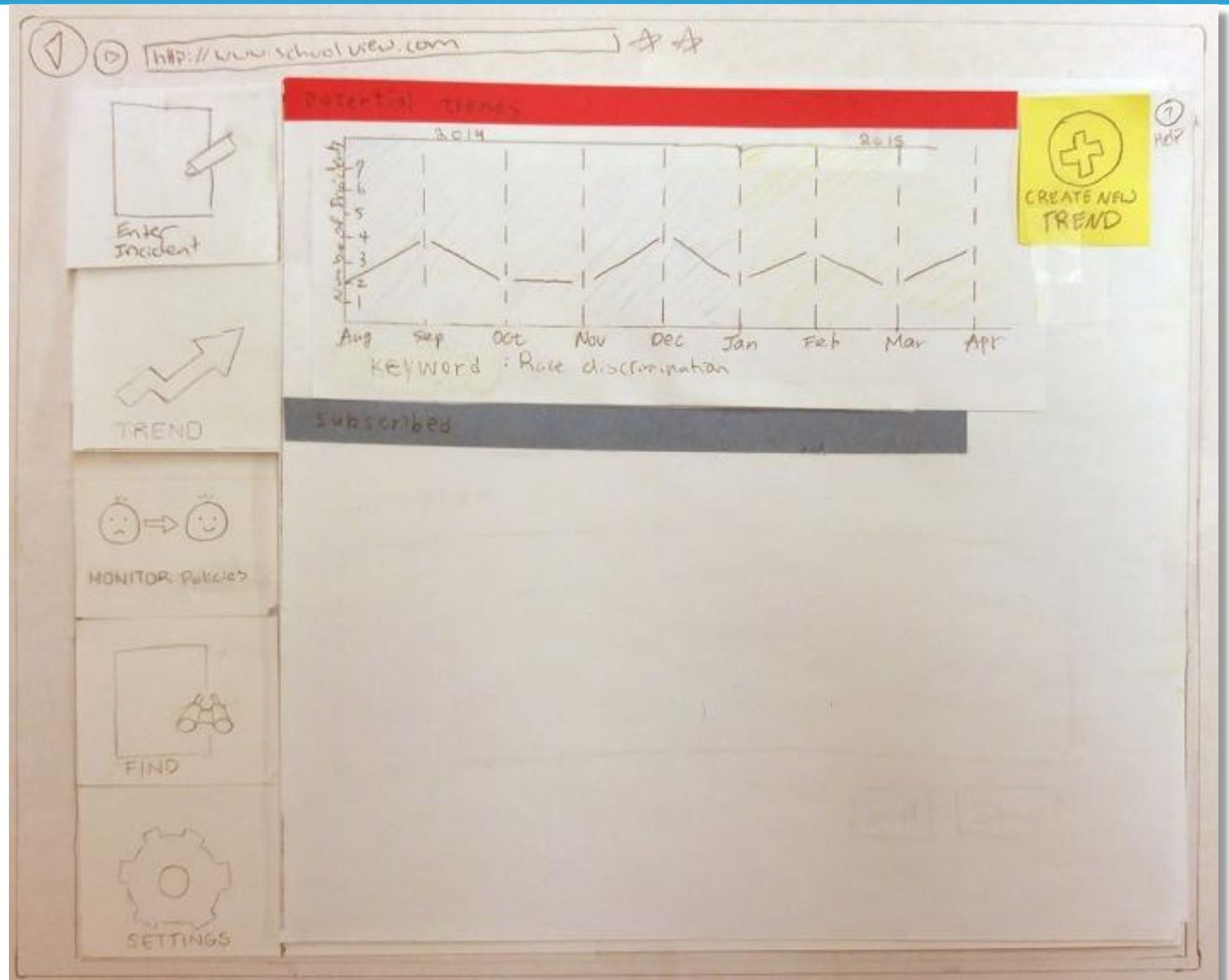

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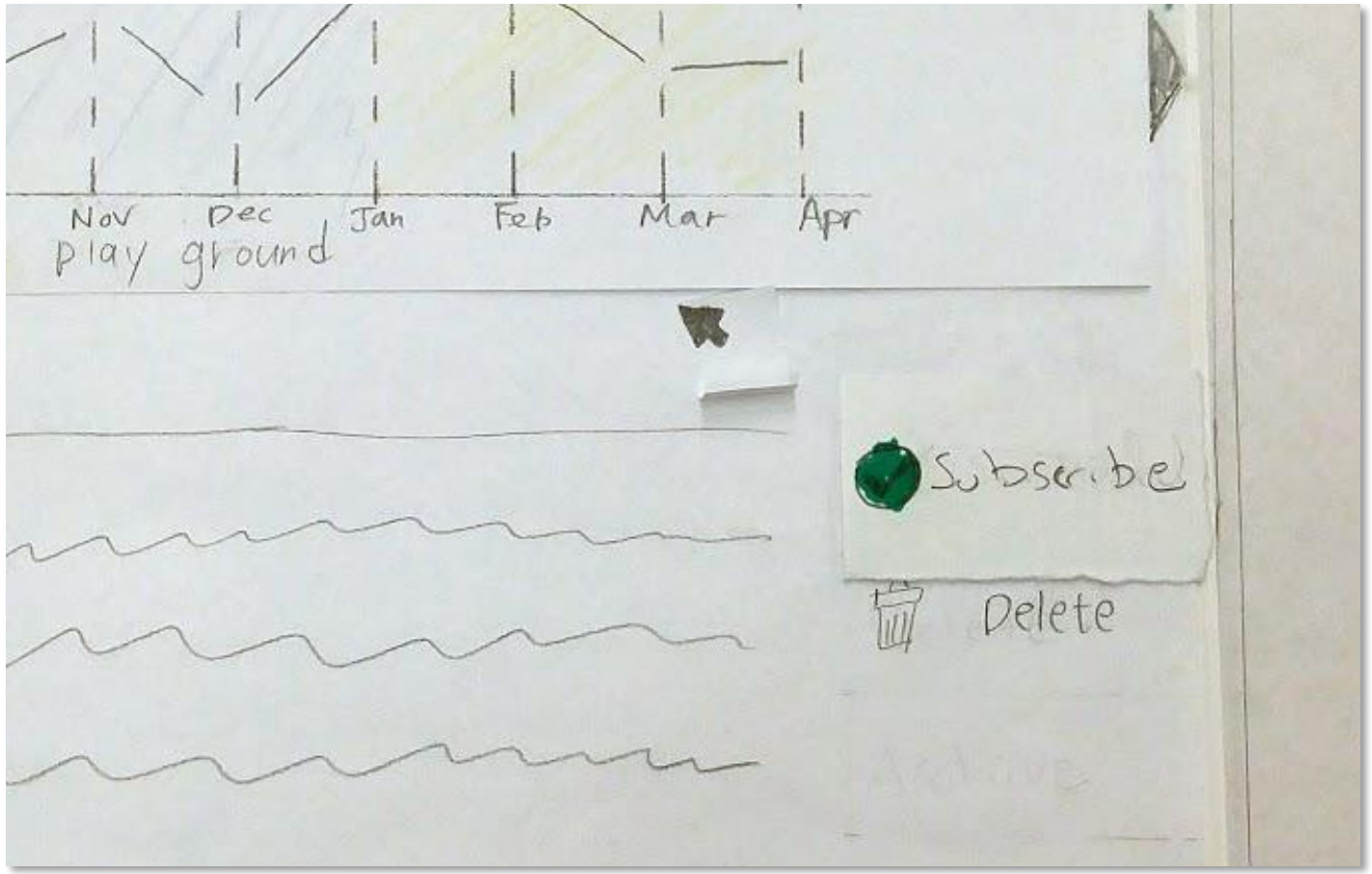
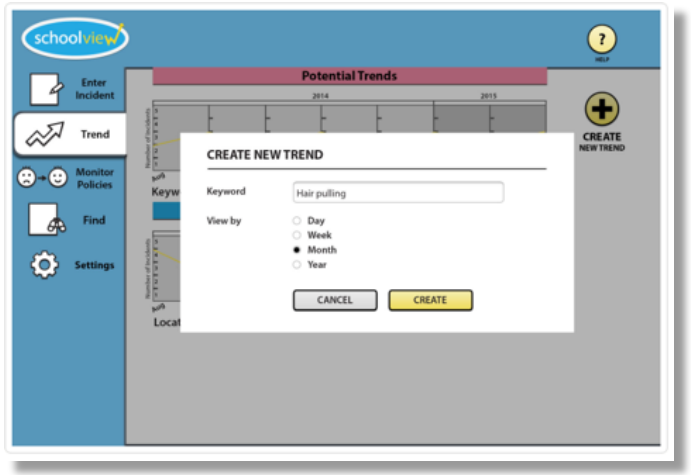


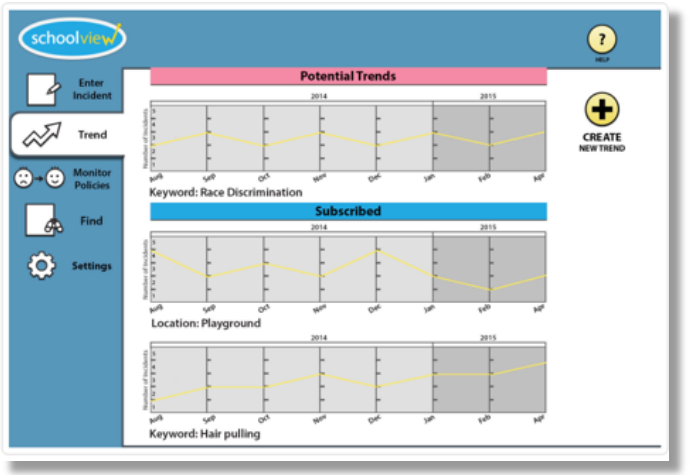
Digital Mockup

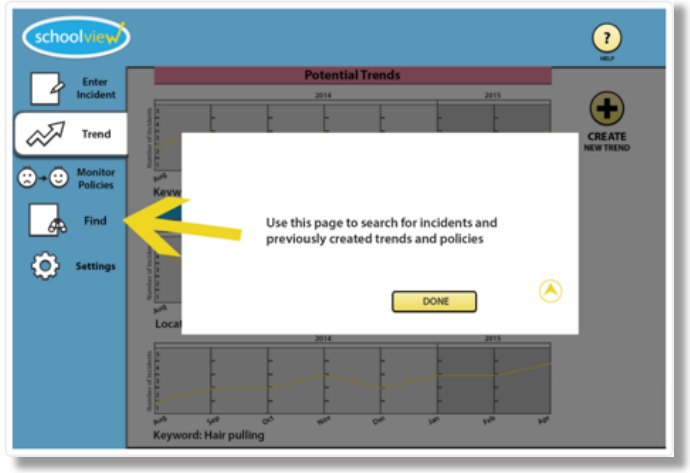
Digital Mockup

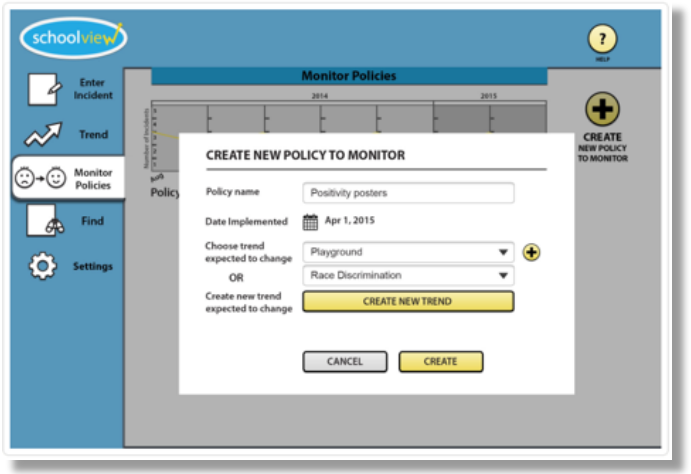
Overview

- Tool: Photoshop
- Challenges:
  - Styling
  - Color choice









Task 1

schoolview

HELP

Enter Incident

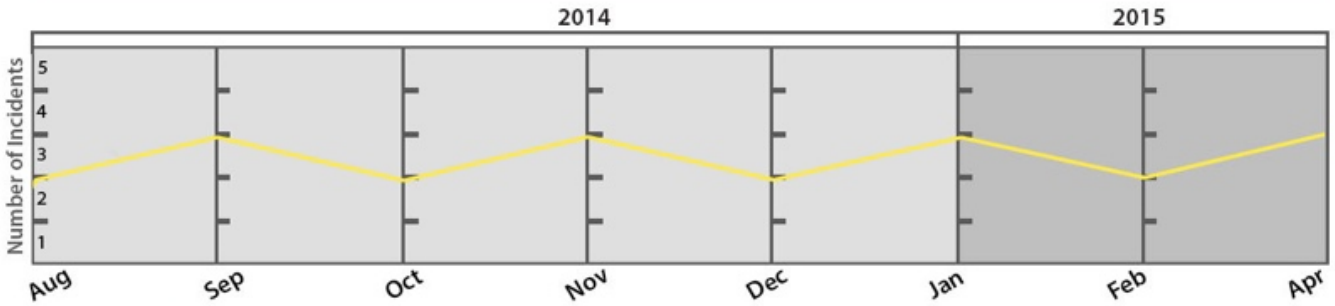
Trend

Monitor Policies

Find

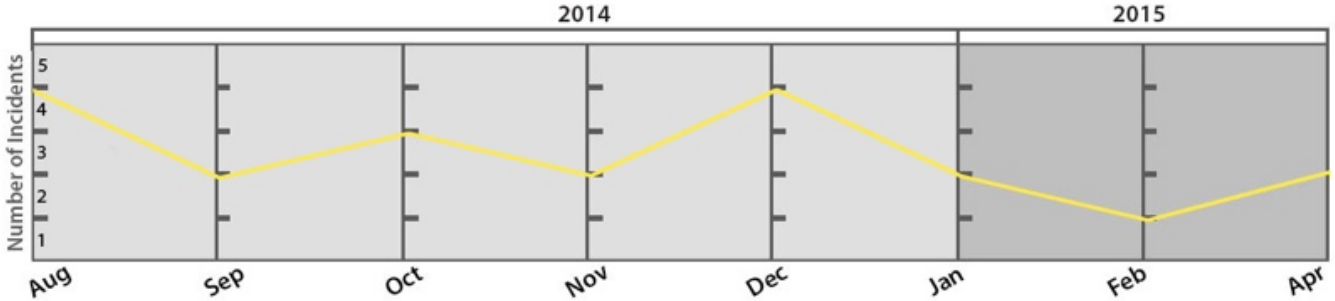
Settings

Potential Trends



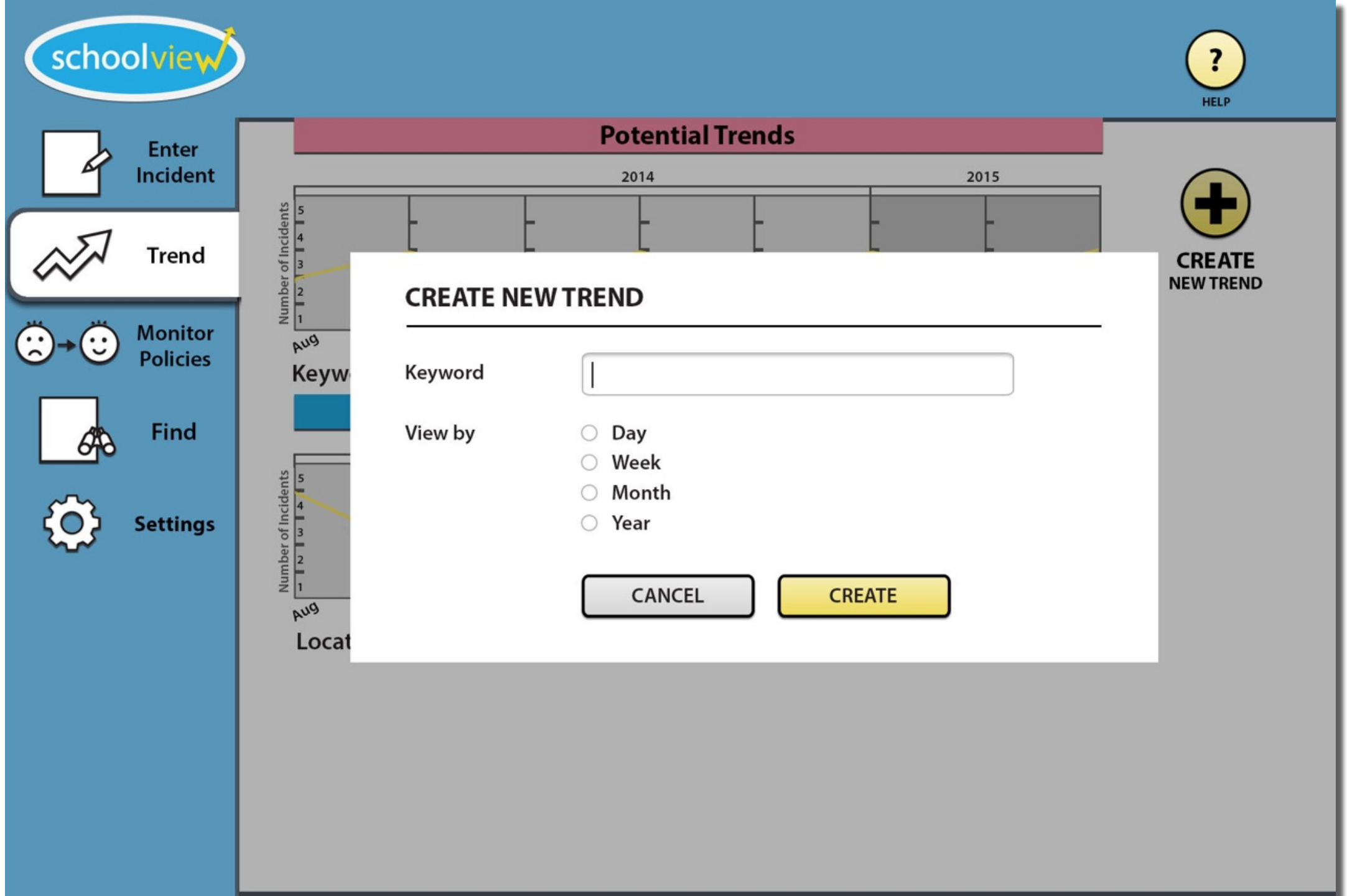
Keyword: Race Discrimination

Subscribed



Location: Playground

CREATE NEW TREND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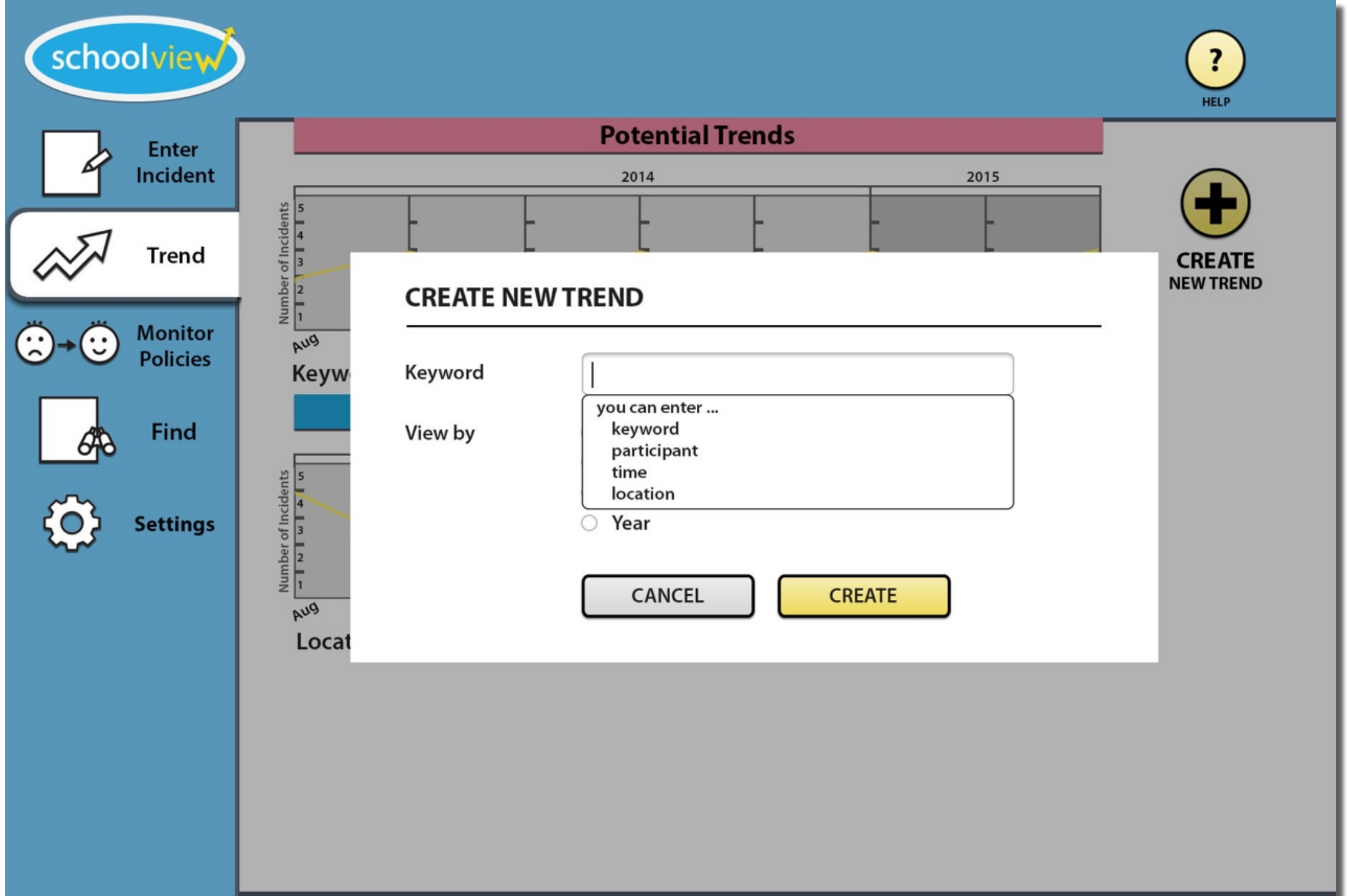
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participant
time
location
Year
CANCEL
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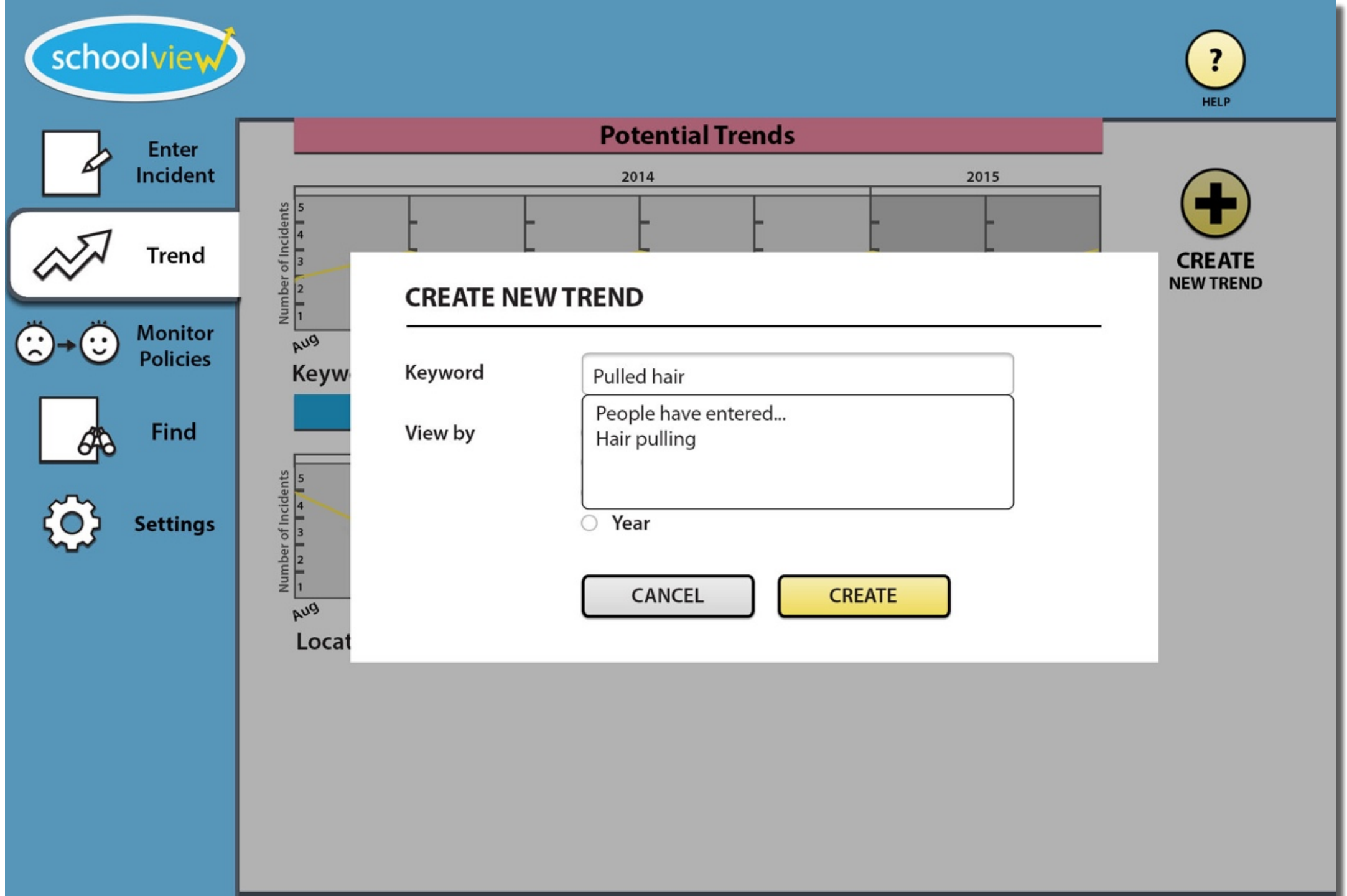
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People have entered...
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CANCEL
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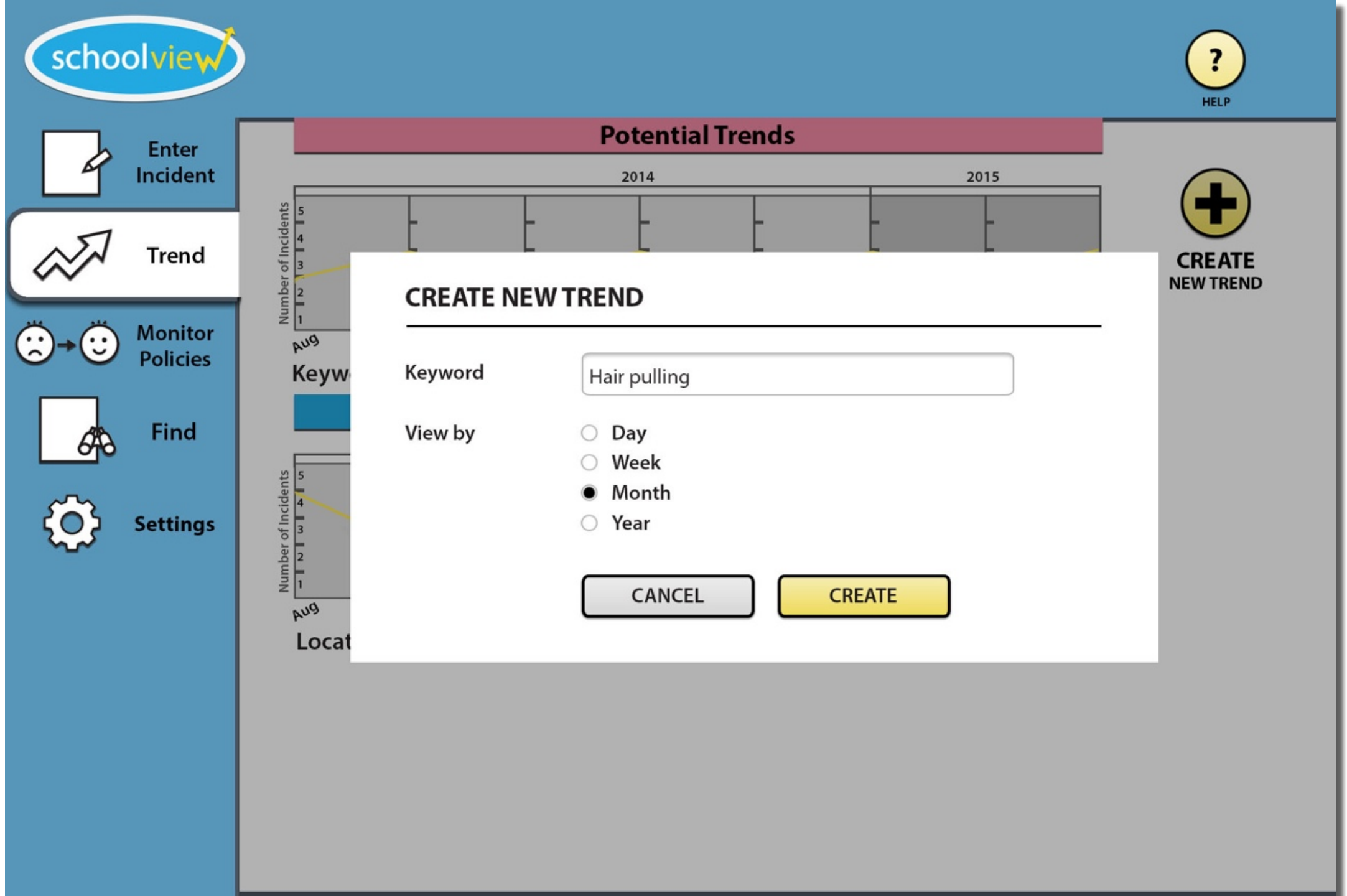
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CREATE NEW TREND
Keyword
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View by
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schoolview

HELP

Enter Incident

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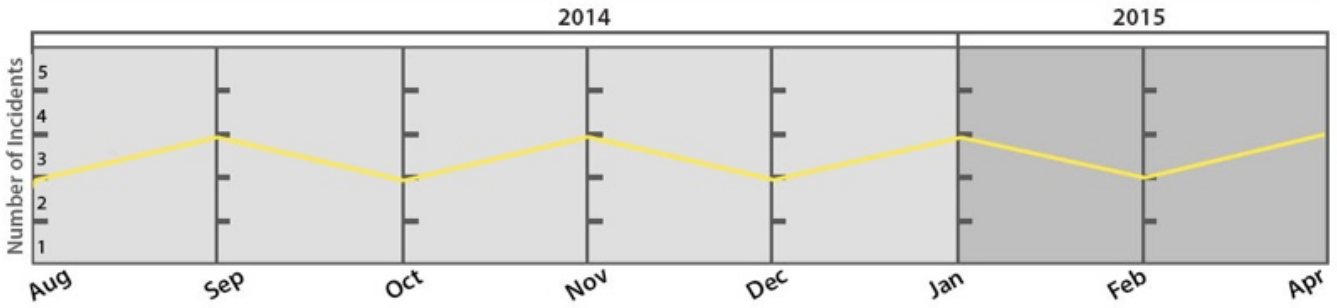
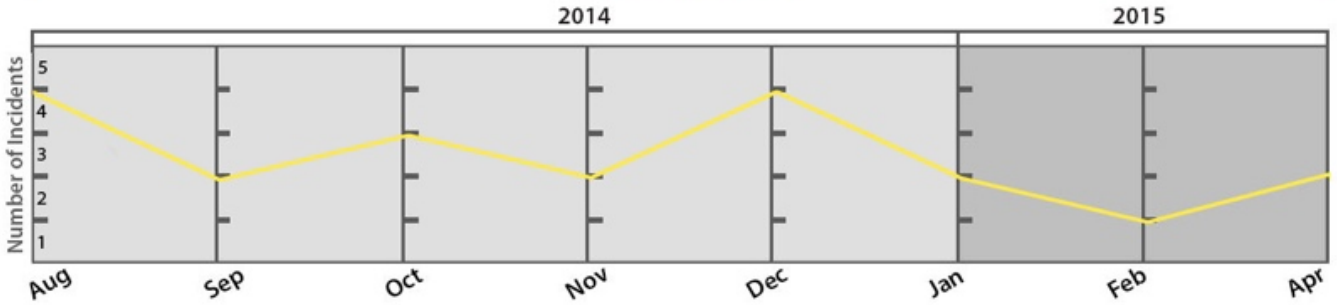


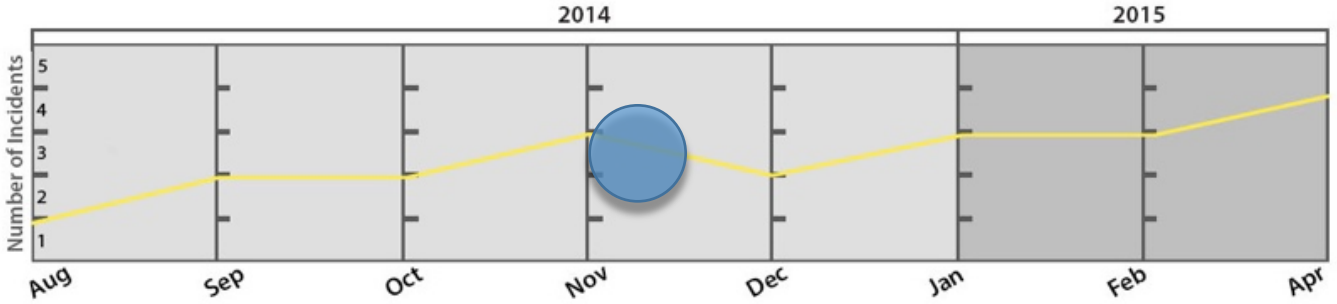
Keyword: Race Discrimination

CREATE NEW TREND

Subscribed



Location: Playground



Keyword: Hair pulling

schoolview

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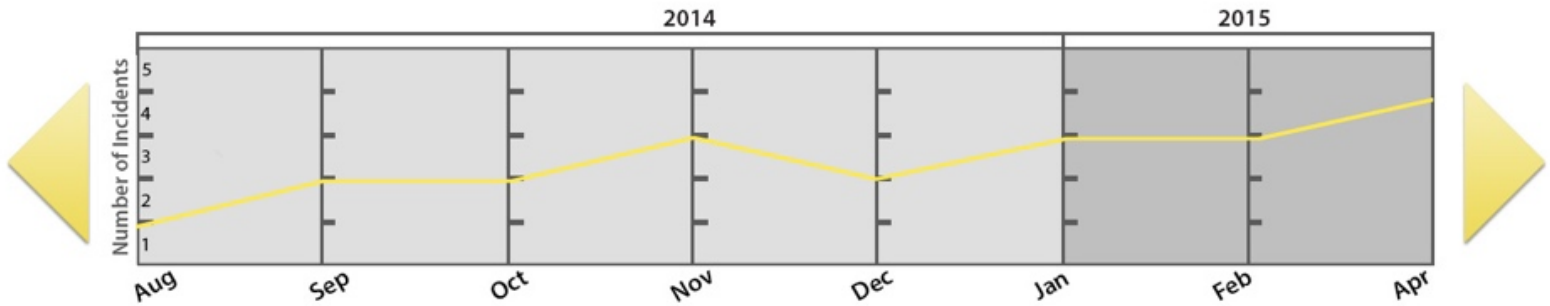
Settings

Potential Trends

DAY | WEEK | MONTH | YEAR



Keyword: Hair pulling

Description:

Click edit description and add details

Subscribed

Delete

Number of Incidents

Number of Incidents

Number of Incidents

Keyword: Hair pulling

Task 2

schoolview

HELP

Enter Incident

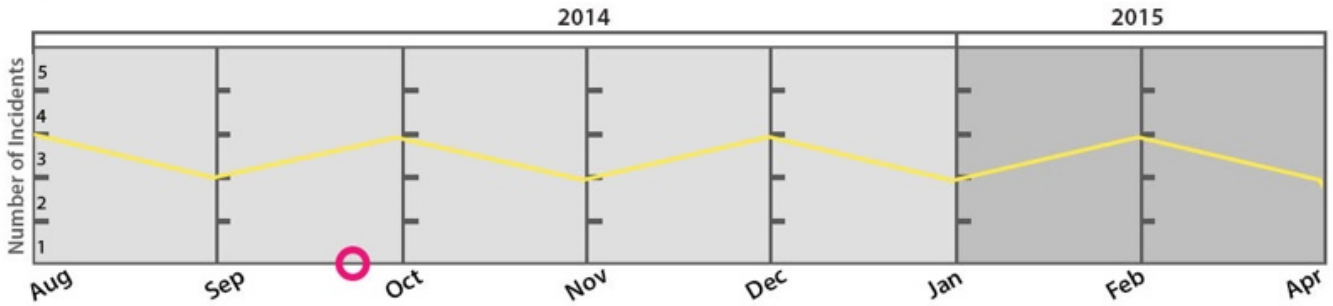
Trend

Monitor Policies

Find

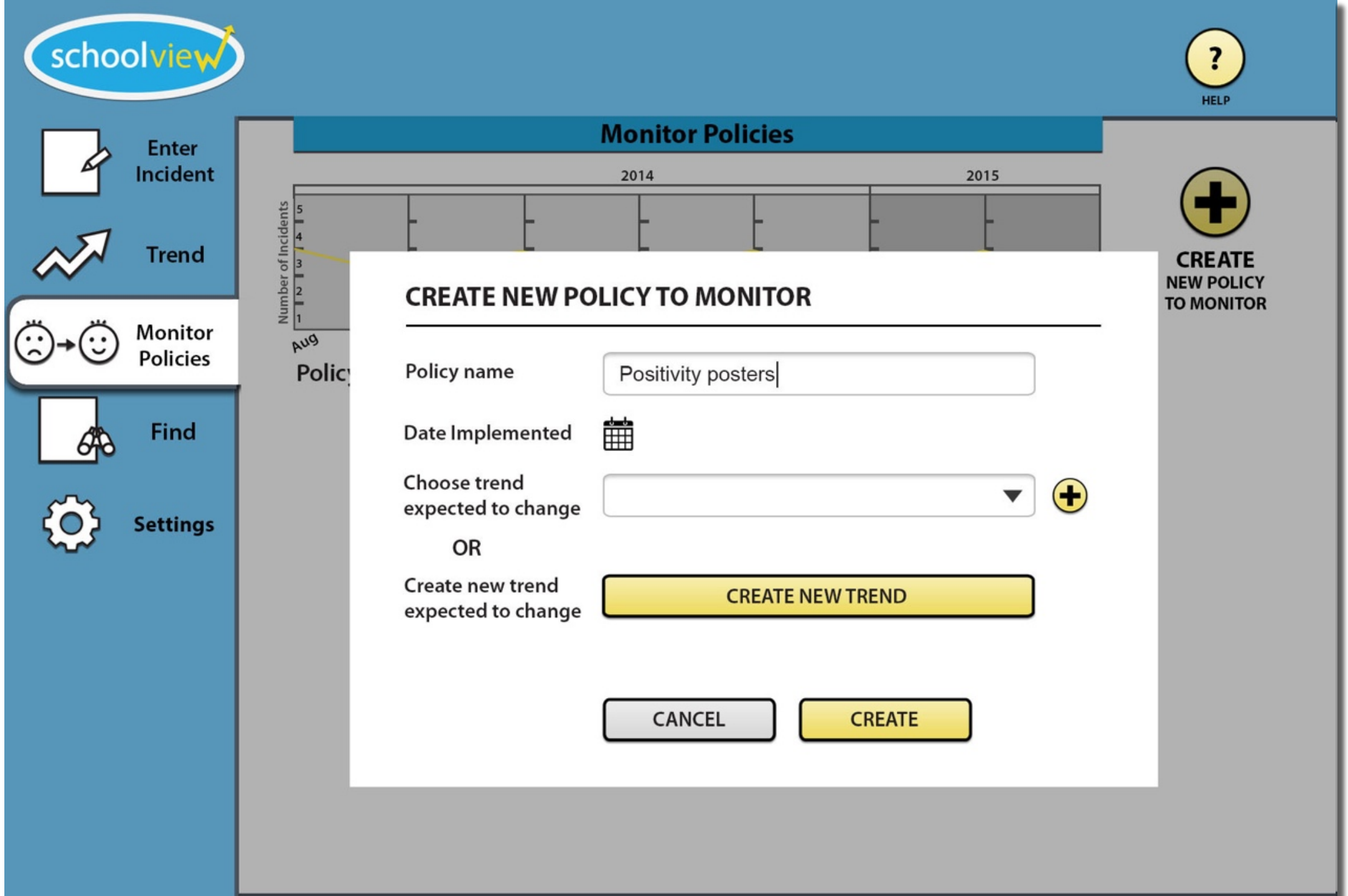
Settings

Monitor Policies



Policy: Daily gratitude, Tracking by: Name calling

CREATE
NEW POLICY
TO MONITOR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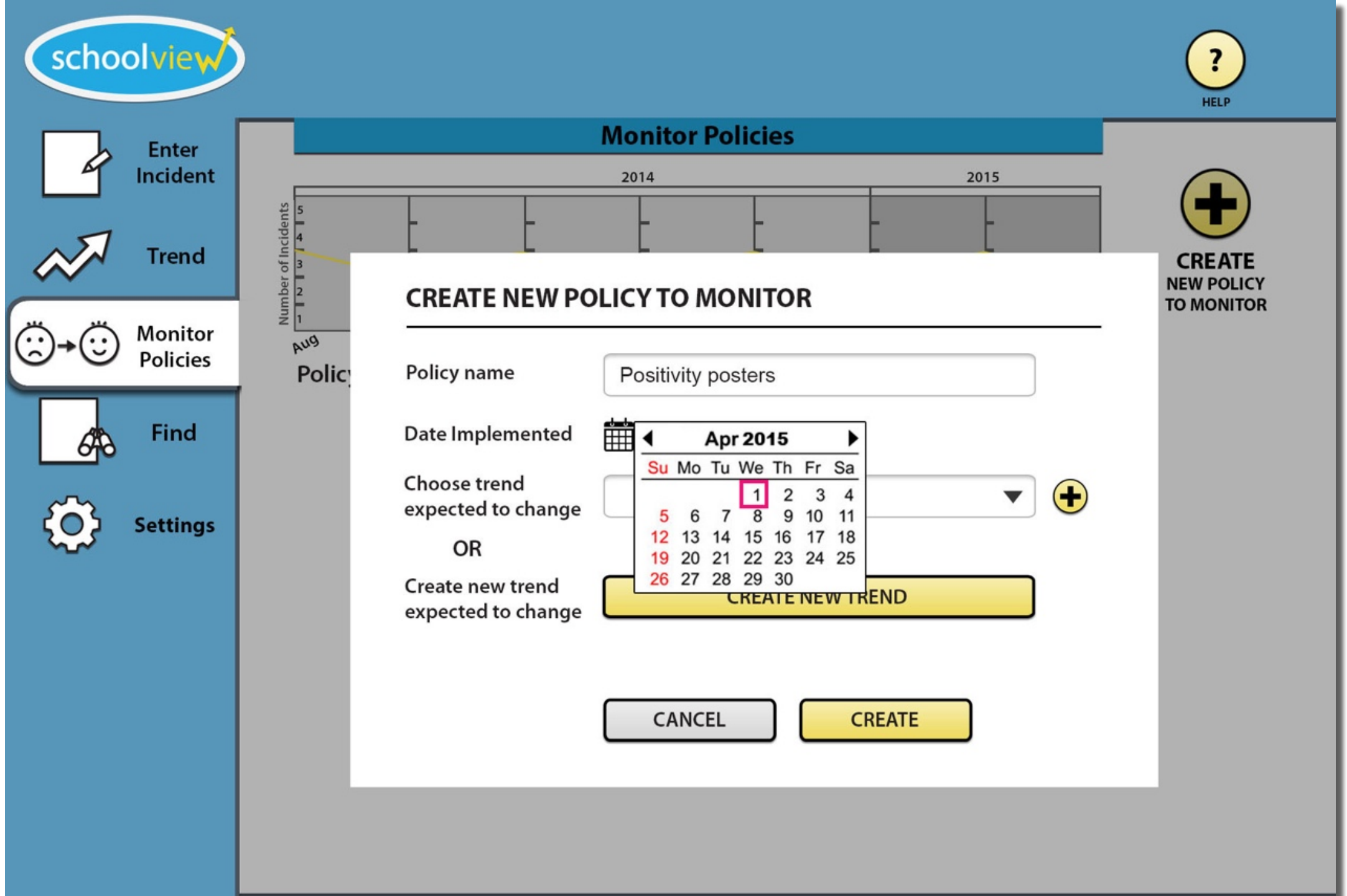
OR
Create new trend expected to change
CREATE NEW TREND
CANCEL
CREATE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CREATE NEW TREND
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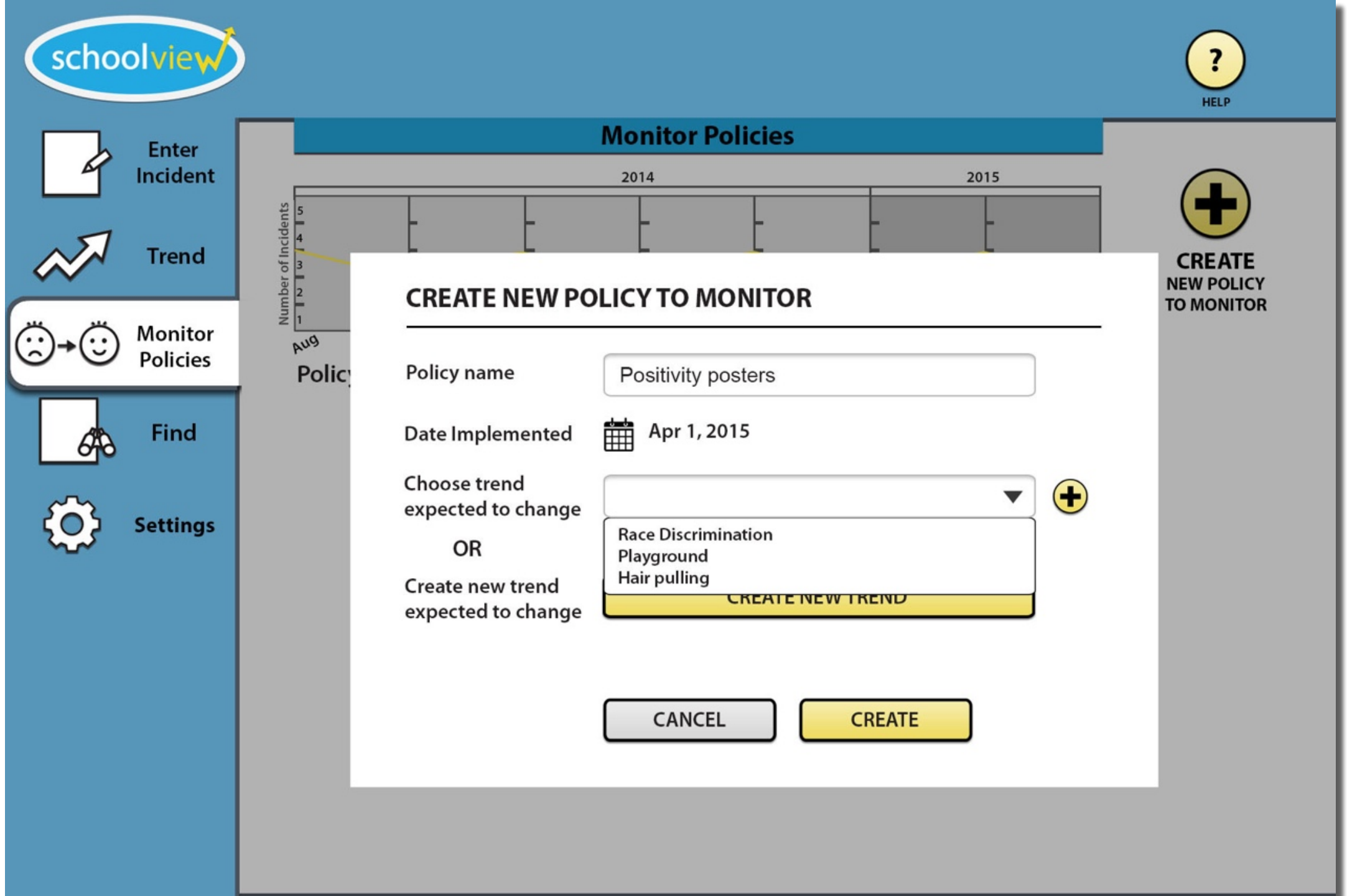
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Policy name
Positivity posters
Date Implemented
Apr 1, 2015
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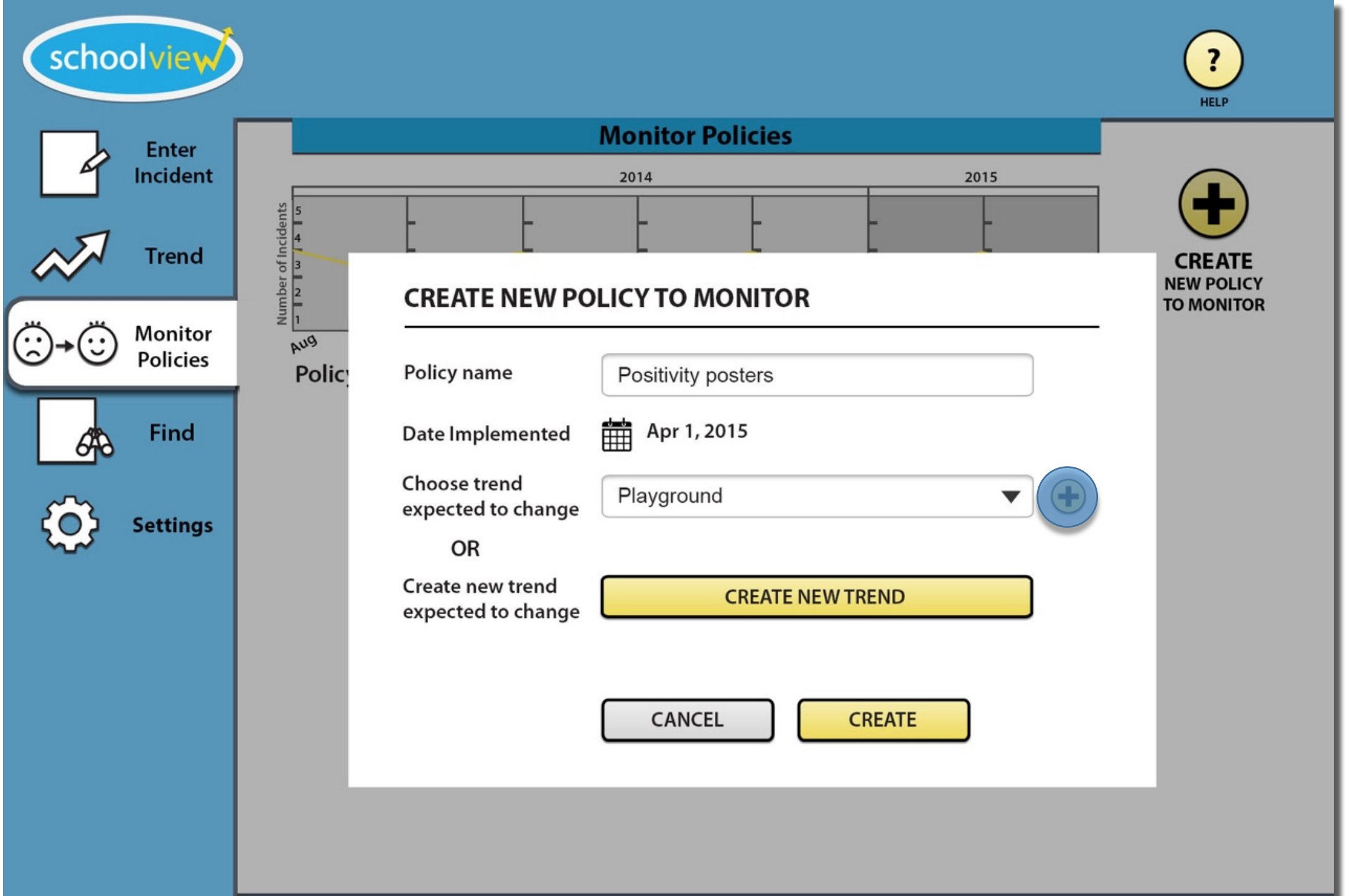
Race Discrimination
Playground
Hair pulling
OR
Create new trend expected to change
CREATE NEW TREND
CANCEL
CREATE
CREATE NEW POLICY TO MONITOR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CREATE NEW POLICY TO MONITOR
Policy name
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Date Implemented
Apr 1, 2015
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Playground
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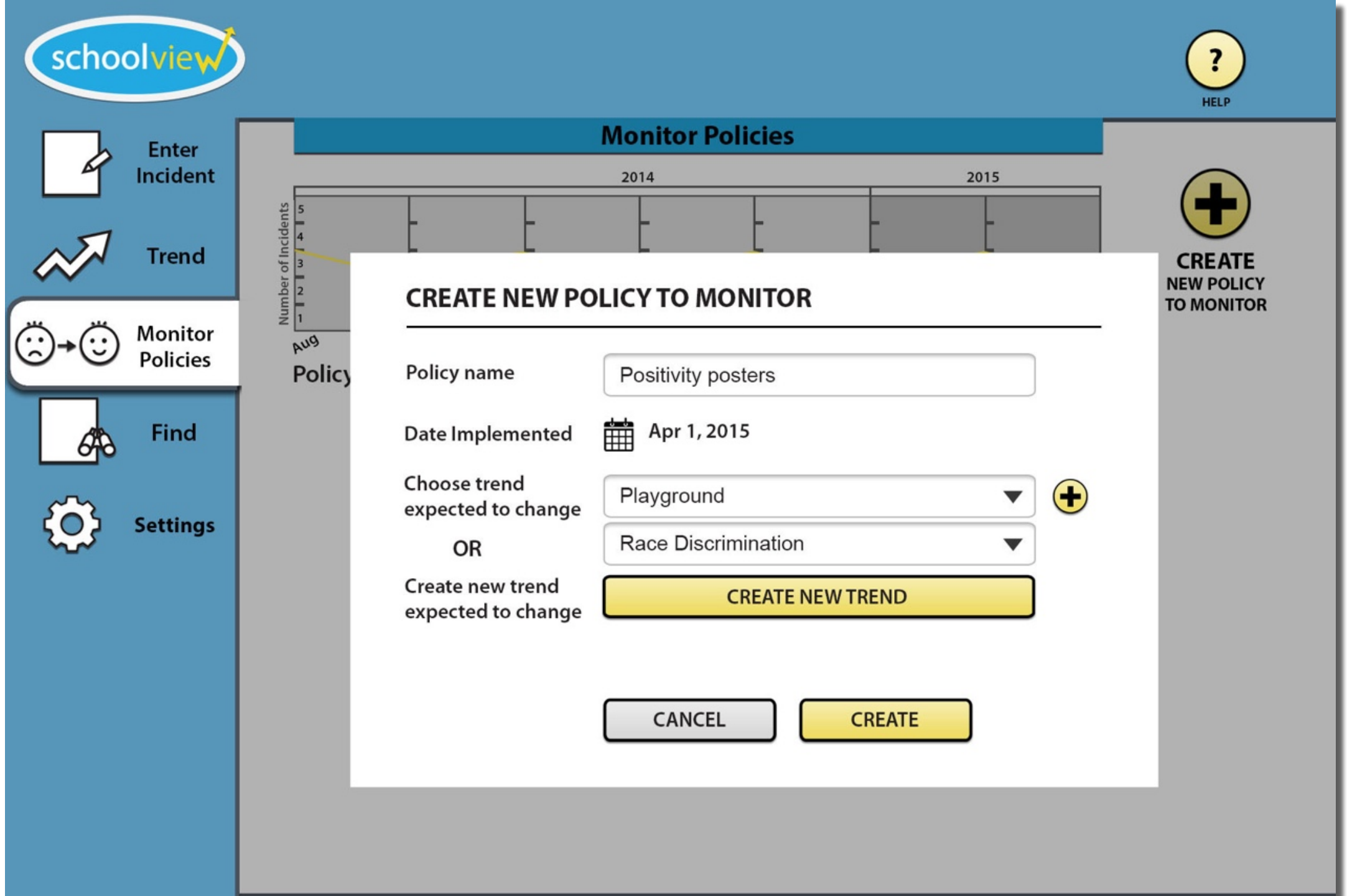
CREATE NEW TREND
CANCEL
CREATE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Policy
CREATE NEW POLICY TO MONITOR
CREATE NEW POLICY TO MONITOR
Policy name
Positivity posters
Date Implemented
Apr 1, 2015
Choose trend expected to change
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OR
Race Discrimination
Create new trend expected to change
CREATE NEW TREND
CANCEL
CREATE

schoolview

HELP

Enter Incident

Trend

Monitor Policies

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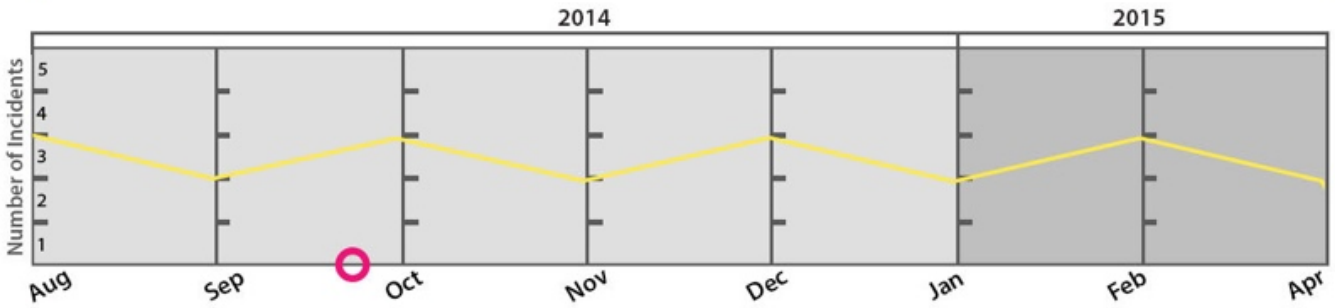
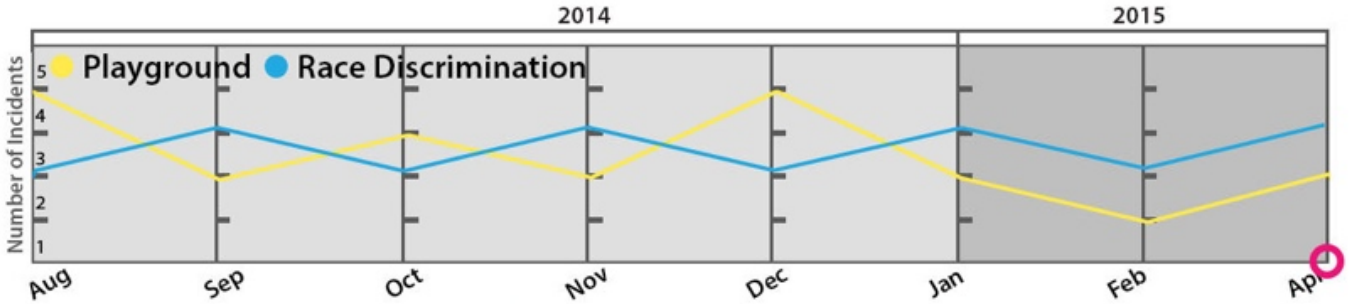
Settings

Monitor Policies



Policy: Daily grattitude, Tracking by: Name calling



Policy: Positivity posters, Tracking by: Playground, Race Discrimination

CREATE
NEW POLICY
TO MONITOR

Reflections

Reflections

Lessons Learned

1. Design process: rewarding but challenging

2. Usability is related to, but is not aesthetics

Thank You

Sources for images: http://wp.production.patheos.com/blogs/lovejoyfeminism/files/2014/07/stopbullying-1.jpg
http://yellowpencil.com/assets/blog/banners/user-testing.png