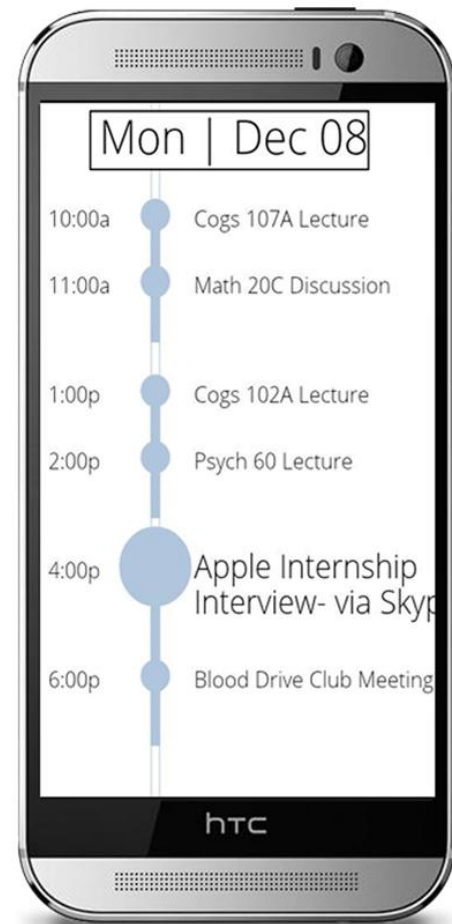


# Timeline

*An Android application that emphasizes events according to its importance and priority.*





# Making what is important, urgent



Today	<	>	Dec 7 – 13, 2014	Day	Week	Month	4 Days	Agenda	More ▾	⚙
GMT-08	Sun 12/7	Mon 12/8	Tue 12/9	Wed 12/10	Thu 12/11	Fri 12/12	Sat 12/13			
12pm										
1pm		1p – 1:50p Cogs 102A Lecture		1p – 1:50p Cogs 102A Lecture		1p – 1:50p Cogs 102A Lecture				
2pm		2p – 2:50p Psych 60 Lecture	2p – 3:20p Math 20C Lecture	2p – 2:50p Psych 60 Lecture	2p – 3:20p Math 20C Lecture	2p – 2:50p Psych 60 Midterm				
3pm				3p – 3:50p Psych 60		3p – 3:50p Cogs 102A				
4pm		4p – 5p Apple Internship Interview- via								
5pm										
6pm		6p – 7p Blood Drive Club Meeting	6p – 7p <u>Cycling Class</u>		6p – 7p Cycling Class					
7pm										
8pm										
9pm										
10pm										

Calendars *don't*  
reveal the importance  
of upcoming events



# Making what is important, urgent



Cognitive effort is not expended equally across events in time





# Making what is important, urgent



Visualizing and manipulating  
schedules based on priority of events

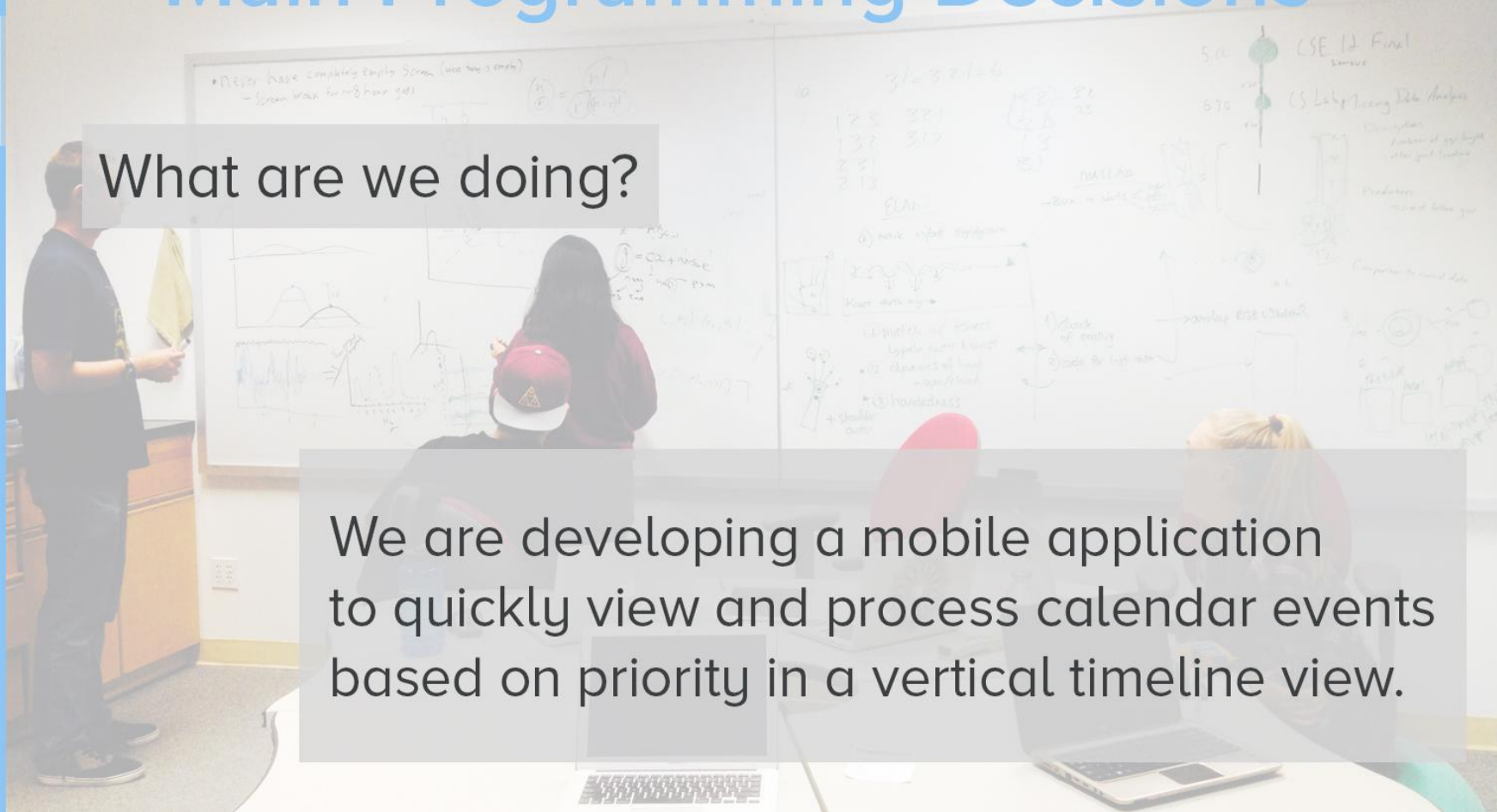


# Main Programming Decisions



What are we doing?

We are developing a mobile application to quickly view and process calendar events based on priority in a vertical timeline view.



# Main Programming Decisions

**NEED**

*Which mobile  
platform to use?*



**DECISION**



**ANDROID**

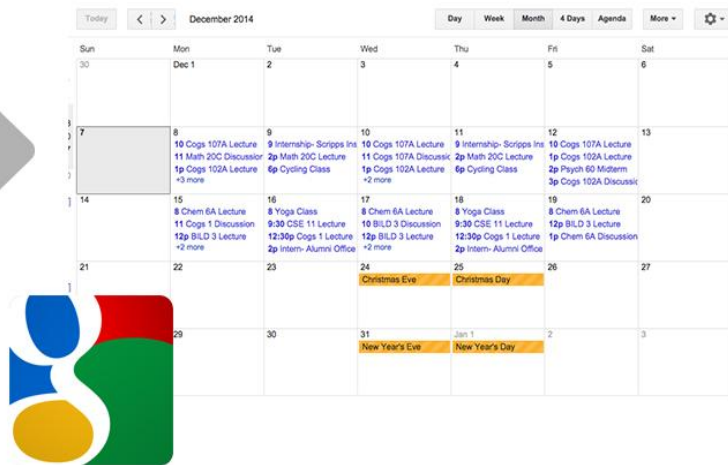


# Main Programming Decisions

NEED

DECISION

*Which calendar API to use  
for importing/exporting  
user's events?*





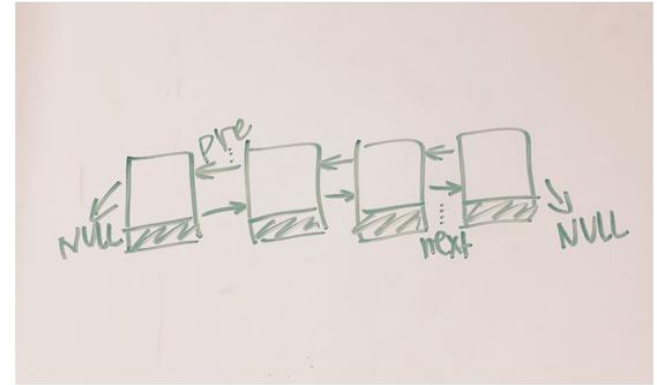
# Main Programming Decisions

**NEED**

*Which data structure  
to use for events?*



**DECISION**



*linked list*



# Fixed vs. Relative Time



*Fixed Time*  
Prototype #2



*Relative Time*  
Prototype #4

# Design Choices



FIRST PROTOTYPE



SECOND PROTOTYPE



THIRD PROTOTYPE



FOURTH PROTOTYPE

# Design Choices



## FINAL PROTOTYPE DESIGN

- Text size = priority
- Clean and simple
- Current time display
- Circle icon and extended tails
- Time breaks

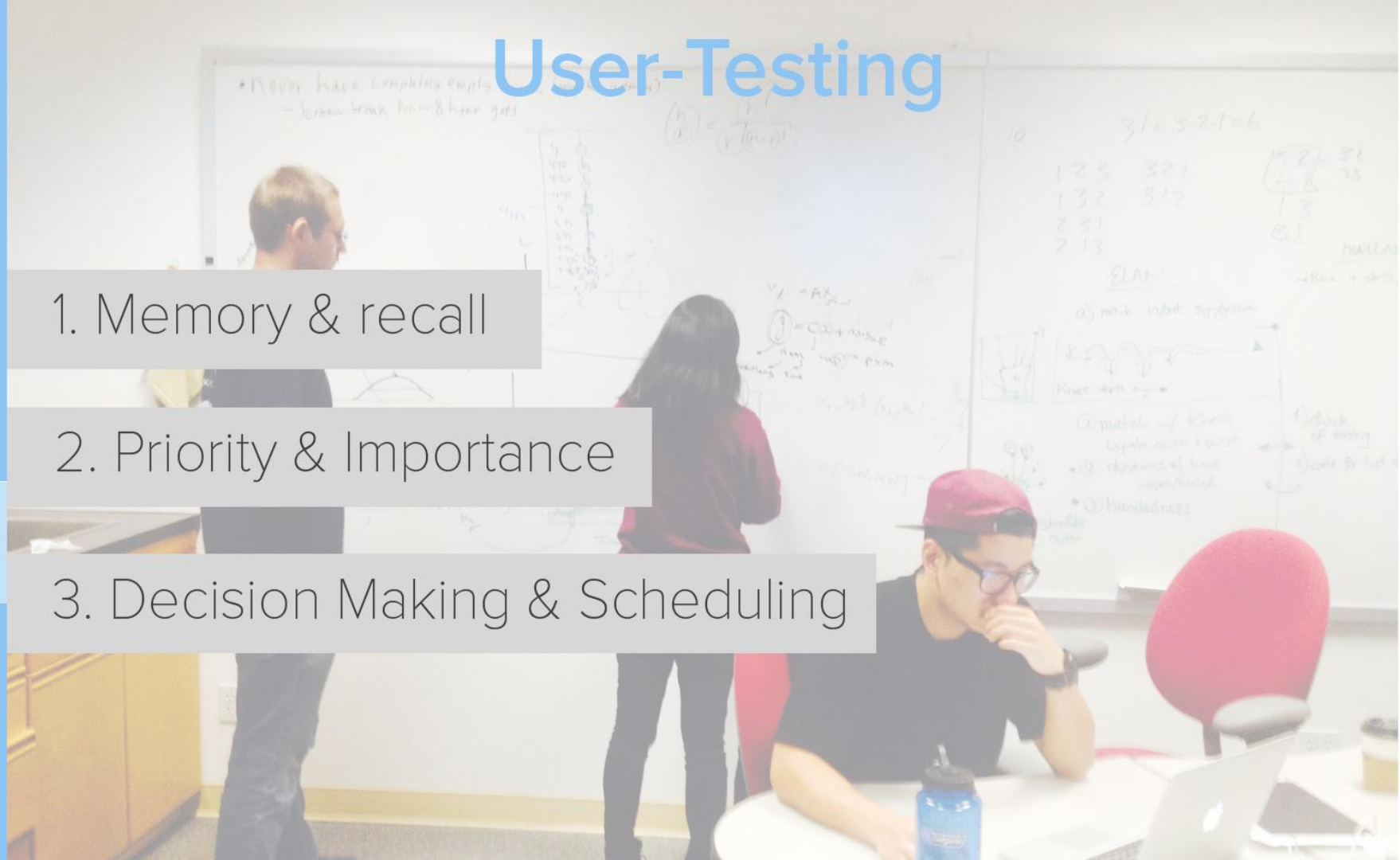


# User-Testing

1. Memory & recall

2. Priority & Importance

3. Decision Making & Scheduling





# User-Testing

1. Memory & recall: **Timeline**

2. Priority & Importance: **Timeline**

3. Decision Making & Scheduling: **Timeline & Calendar**

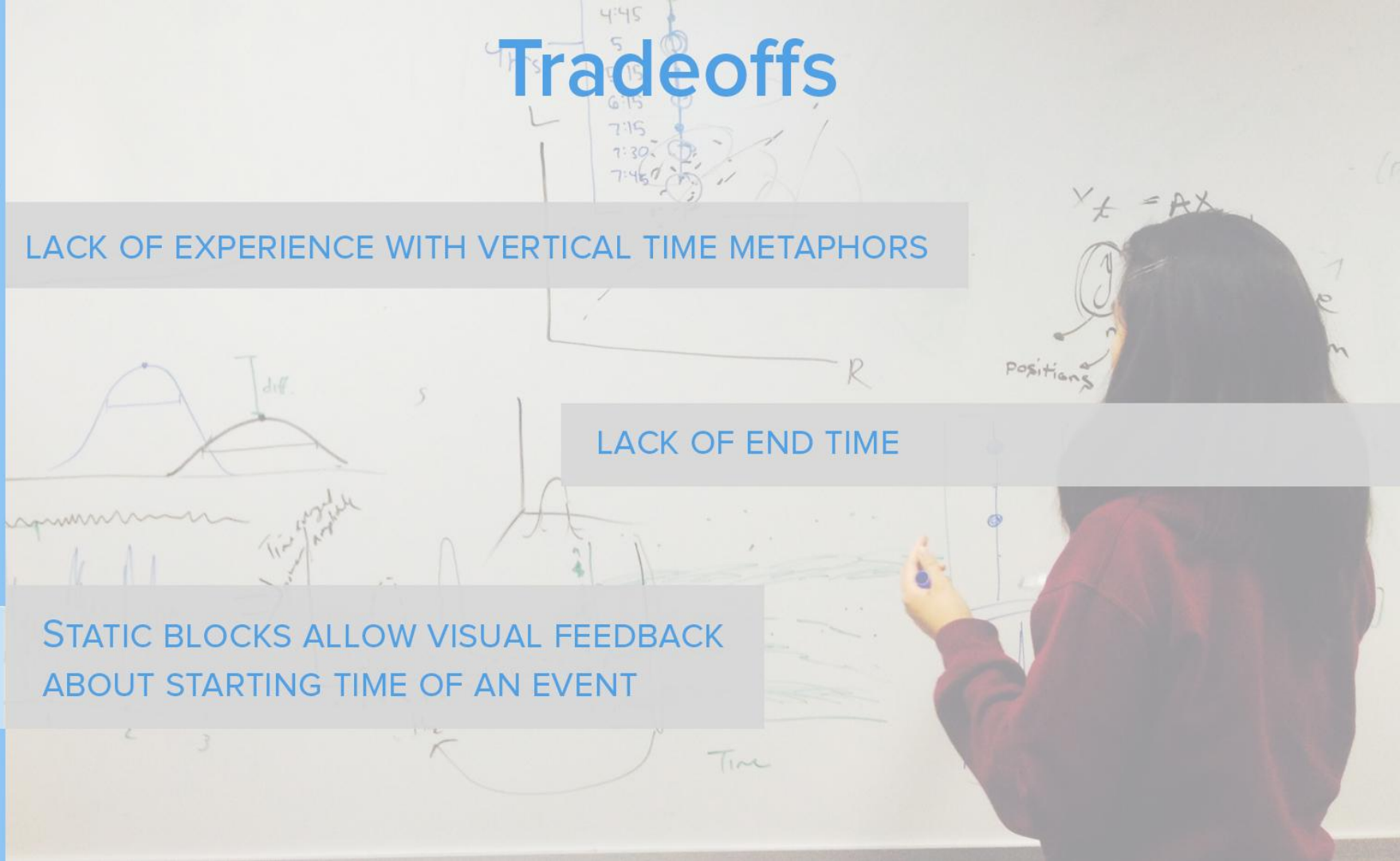


# Tradeoffs

LACK OF EXPERIENCE WITH VERTICAL TIME METAPHORS

LACK OF END TIME

STATIC BLOCKS ALLOW VISUAL FEEDBACK  
ABOUT STARTING TIME OF AN EVENT

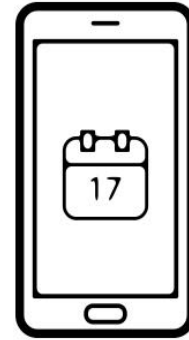




# Future of Timeline



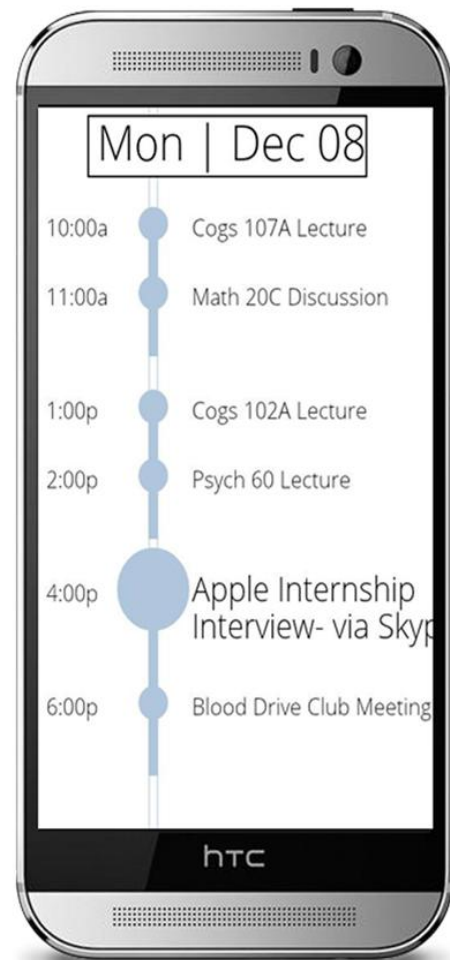
*More testing*



*Weekly & monthly  
view*



# Thank you for your time



*Timeline Team: Melinda Chu, Kaitlin Garriott, Nick Gibson,  
Crystal Kwok, Michael Lee, and Dan Lenzen*