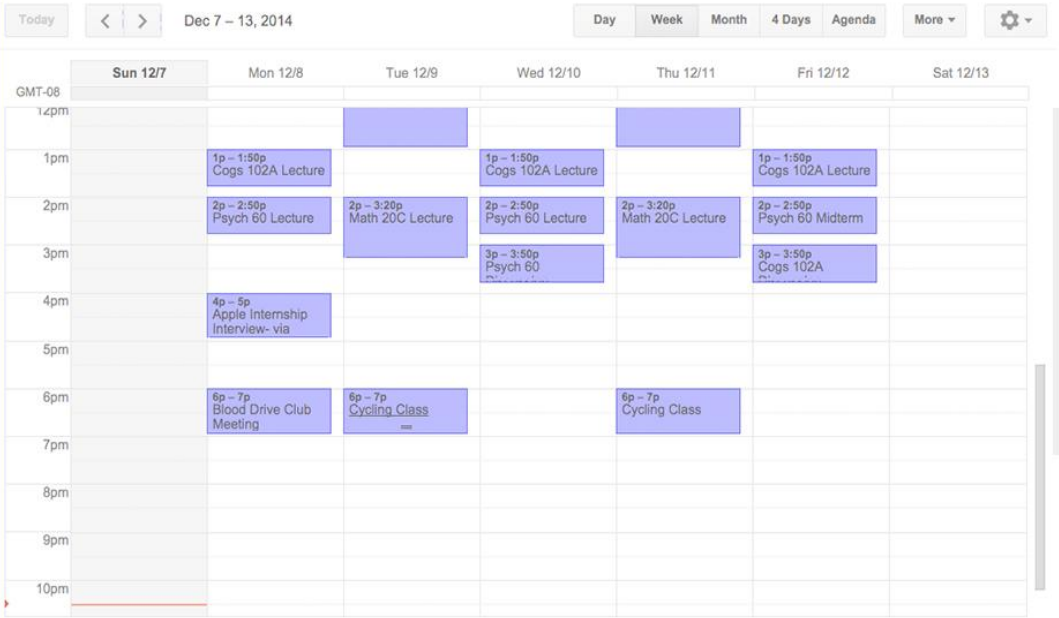
Timeline

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

Making what is important, urgent

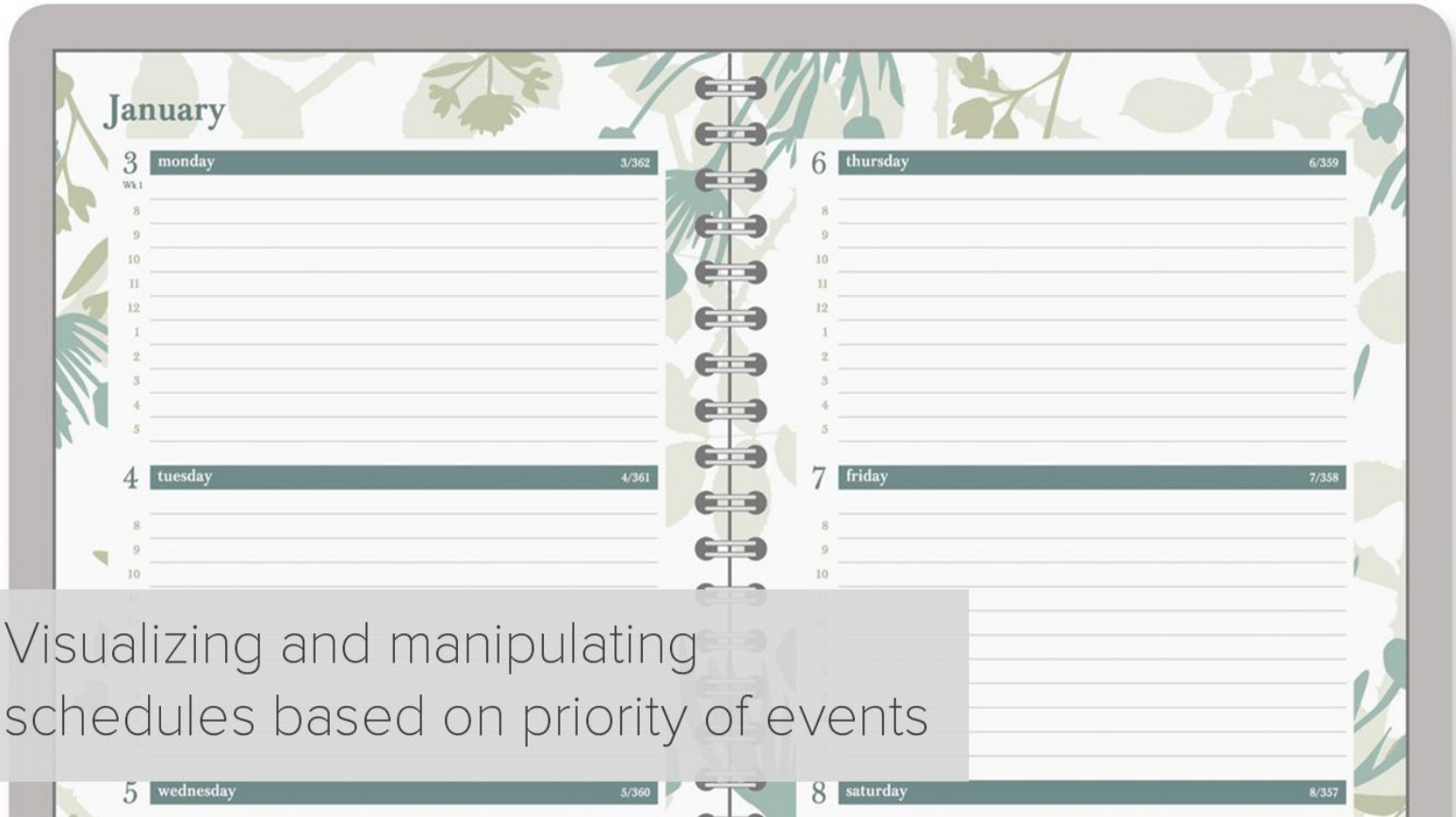


Calendars *don't* reveal the importance of upcoming events

Making what is important, urgent

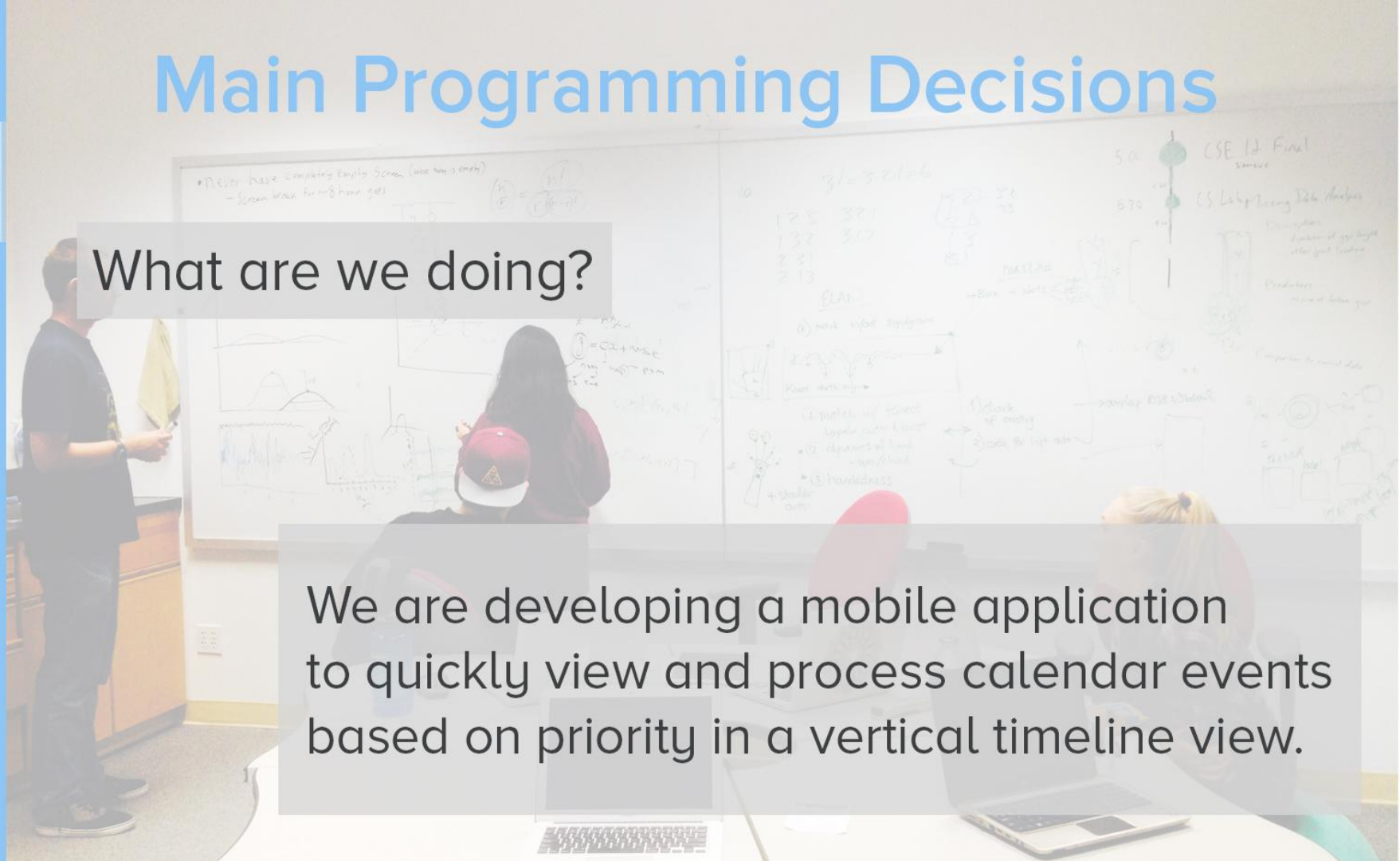
Cognitive effort is not expended equally across events in time

Making what is important, urgent



Visualizing and manipulating
schedules based on priority of events

Main Programming Decisions



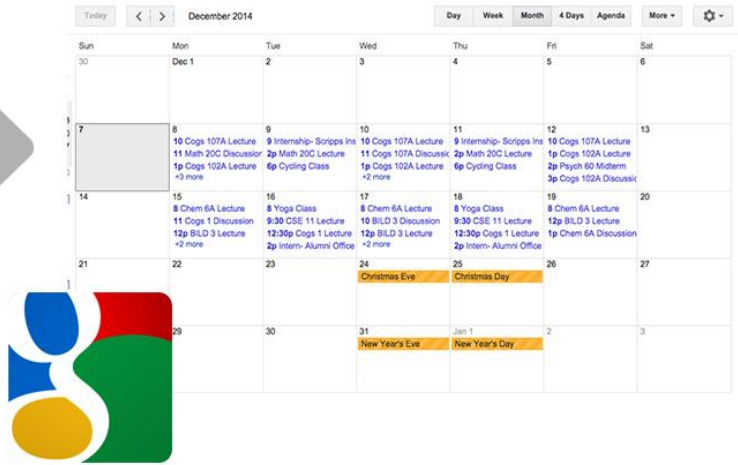
What are we doing?

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

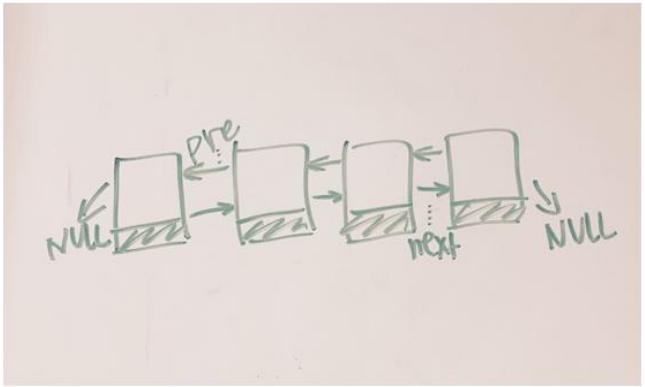
Main Programming Decisions

NEED	DECISION
Which mobile platform to use?	

Main Programming Decisions

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

Main Programming Decisions

NEED	DECISION
Which data structure to use for events?	

linked list

Fixed vs. Relative Time

Fixed Time

Prototype #2

Relative Time

Prototype #4

Design Choices

FIRST PROTOTYPE

SECOND PROTOTYPE

THIRD PROTOTYPE

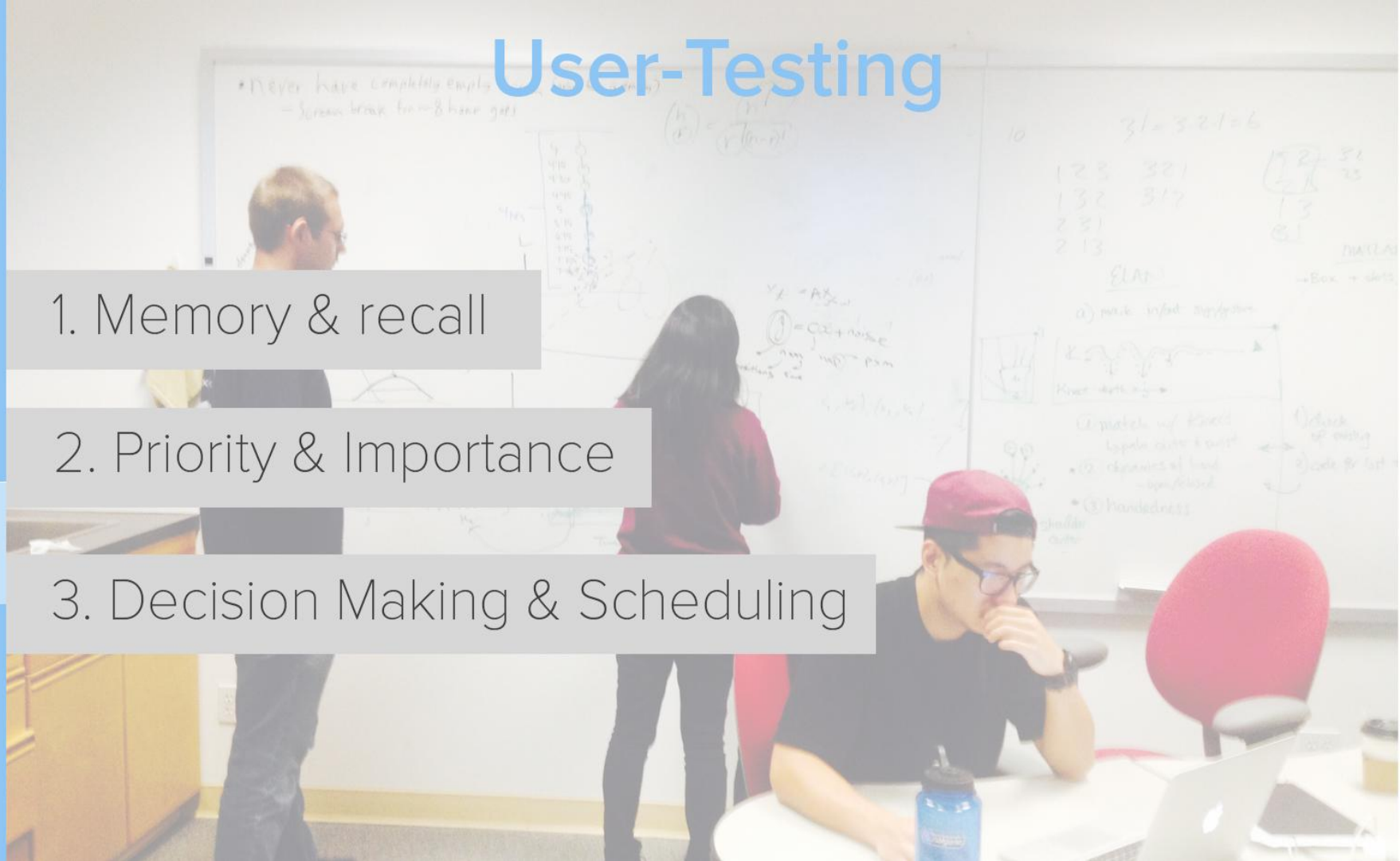
FOURTH PROTOTYPE

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

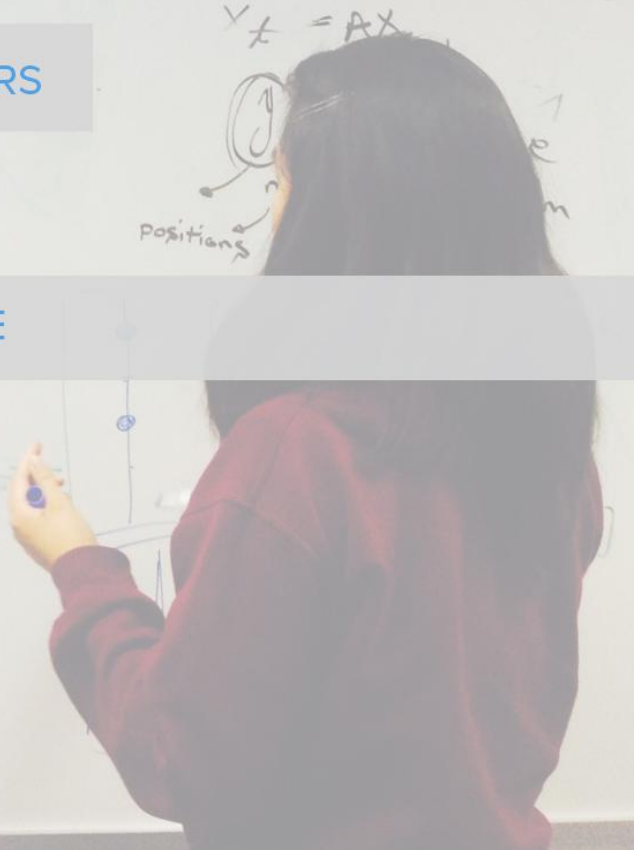
1. Memory & recall: **Timeline**
2. Priority & Importance: **Timeline**
3. Decision Making & Scheduling: **Timeline & Calendar**

Tradeoffs

LACK OF EXPERIENCE WITH VERTICAL TIME METAPHORS

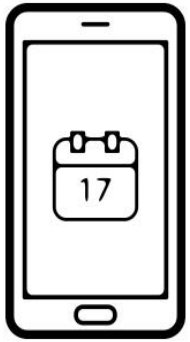
LACK OF END TIME

STATIC BLOCKS ALLOW VISUAL FEEDBACK ABOUT STARTING TIME OF AN EVENT



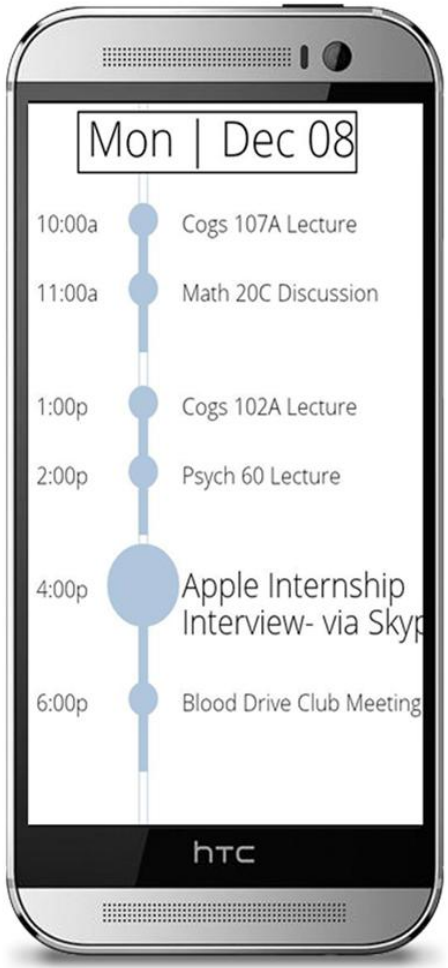
Future of Timeline

More testing



Weekly & monthly view

Thank you for your time



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