

# User Study Two

Team Blueberry



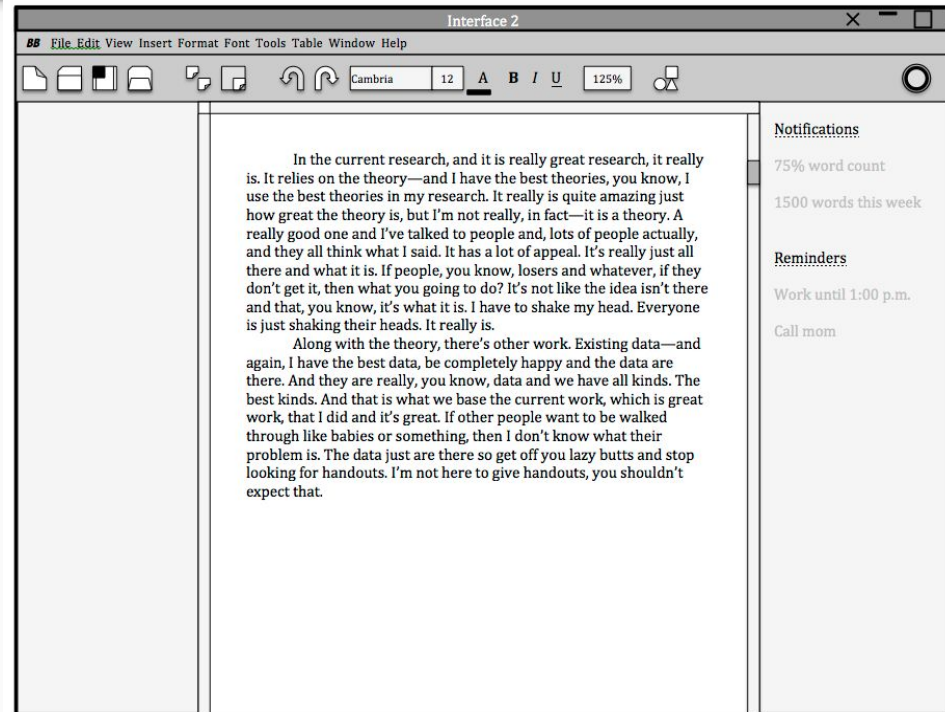
System

# System Description

- Create a system that allowed for increased productivity among users
- Allowed reminders and goals to be set with an unobtrusive notification system
- Present widgets and graphs that illustrated data, such as
  - Daily word count
  - Weekly word count
  - Monthly word count
  - Email
  - Media Feed
  - Calendar

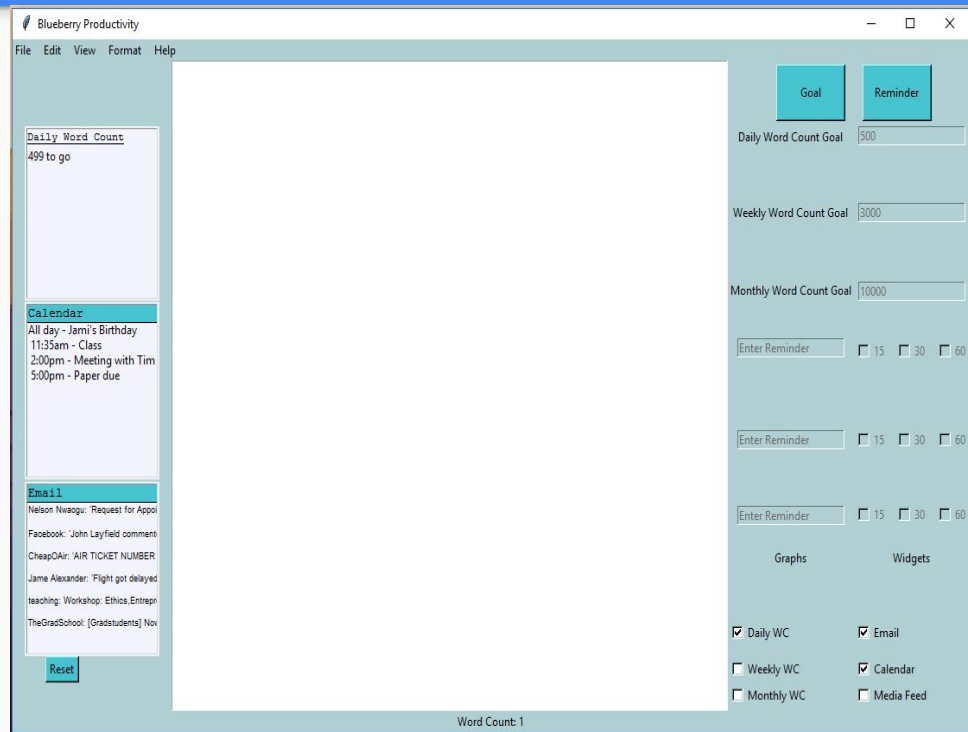
# Envisioned System

- Creation of user specified goals and reminders
- Graphical representation of word count goals and widgets
- Dashboard window containing widgets and graphs
- Attention grabbing yet not distracting notification system



# Final Prototype Functionality

- Creation of reminders and word count goals
- Graphical representation of word count goals and widgets
- Attention grabbing yet not distracting notification system



# Milestones

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- Determined the potential for a productivity system to be used in an academic setting
- Determined what features weren't currently available in pre-existing systems
- Determined what potential end users already do to help increase their productivity
- Determined through user study one what kind of functionality is needed and which graphical assets are favored
- Determined through user study two the final functionality of system and notification system

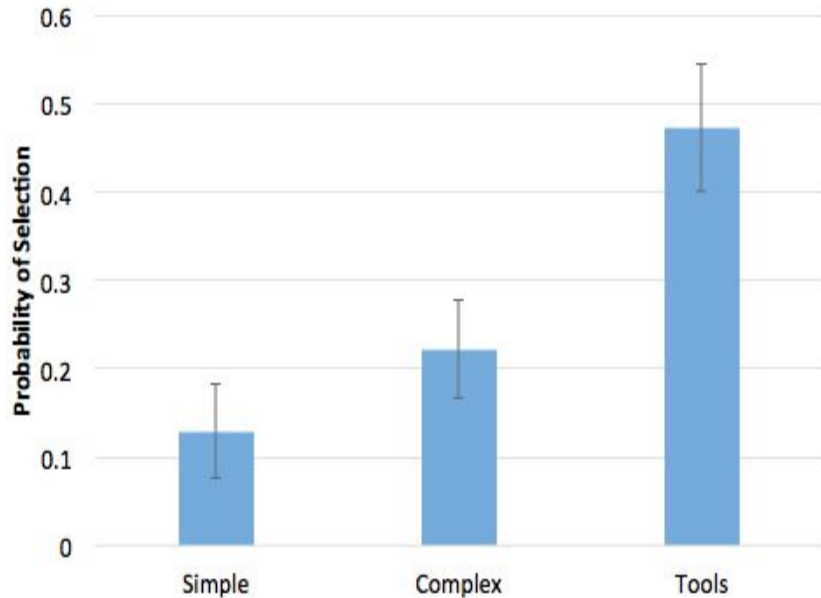
# Influences

- Background research helped us determine the current state of productivity applications and what features these systems have
- Initial interviews helped us see what users currently do to increase their productivity what features they would like added to their preferred word processor
- Conducting user study one allowed us to compare two different types of interfaces
  - Allowed us to compare graphs and widgets preferences
  - Allowed us to have a better understanding of overall functionality

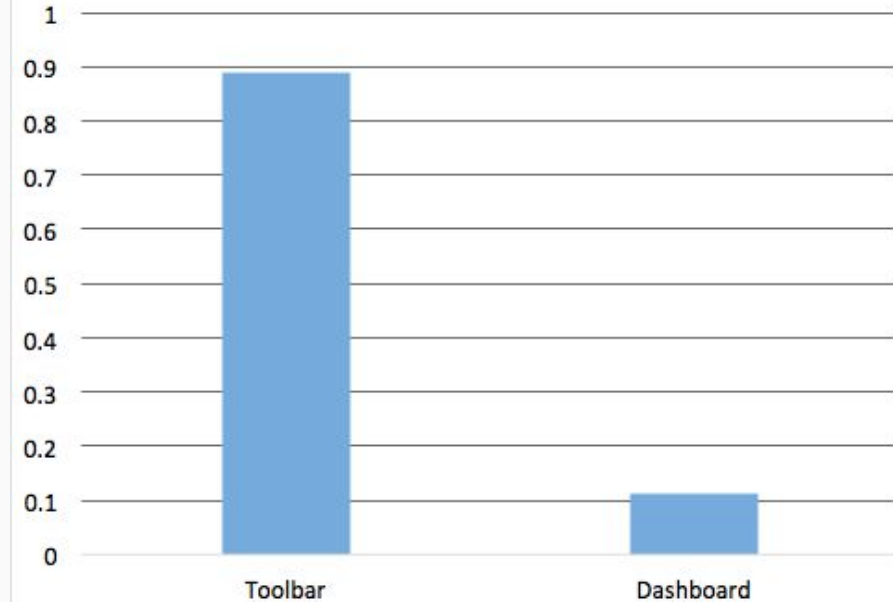


# User Study One Results Recap

**Preferred Widget Type**



**Goal Creation**



# User Study Two

## Procedure/Results

# Questionnaire/Interview

Participant # \_\_\_\_\_ Age: \_\_\_\_\_ Gender: \_\_\_\_\_ Major: \_\_\_\_\_

**Questionnaire:**

**Fade-in/Fade-out Notification (15 min):**

How effective do you think this notification would be at capturing your attention.

Not effective 1---2---3---4---5---6---7---8---9---10 Very effective

**Flashing Notification (30 min):**

How effective do you think this notification would be at capturing your attention.

Not effective 1---2---3---4---5---6---7---8---9---10 Very effective

**Pop-up Notification (60 min):**

How effective do you think this notification would be at capturing your attention.

Not effective 1---2---3---4---5---6---7---8---9---10 Very effective

Which of the three notifications did you prefer overall?

Fade-in/Fade-out      Flashing      Pop-up

Why did you prefer your selection to the above question?

Name one feature you liked about this application.

Out of the current feature set, which one has room for improvement.

Name one thing that you think is missing from this application that you think would be beneficial.

Would it have been beneficial to have data hidden after selection or keep it persistent?

Do you have any other comments about this application?

# Tasks

- Word Count Goal Creation : Daily, weekly and monthly
- Reminder Creation: Creation of user specified reminders in different time intervals for different reminder types
- Dashboard Organization: Which three widgets are the most important and pertinent

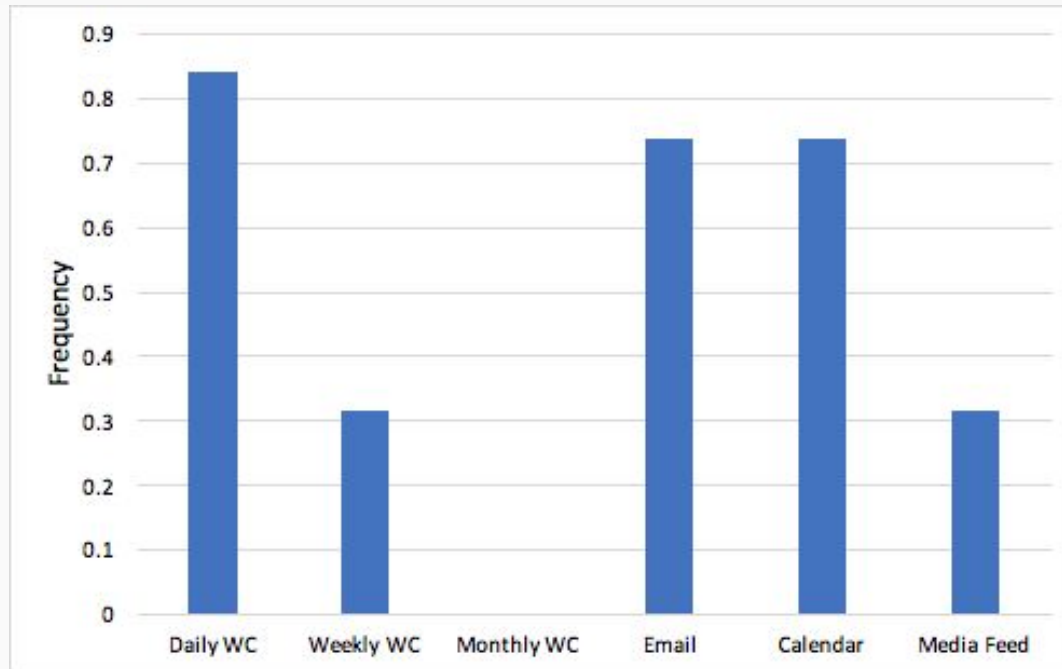
# Methods

- First instruction: Create a word count goals
- Second instruction: Select three widgets to display in left margin
  - Record widgets selected
- Third instruction: Create reminders for each time interval
- Fourth instruction: Discuss each type of notification based on their attributes

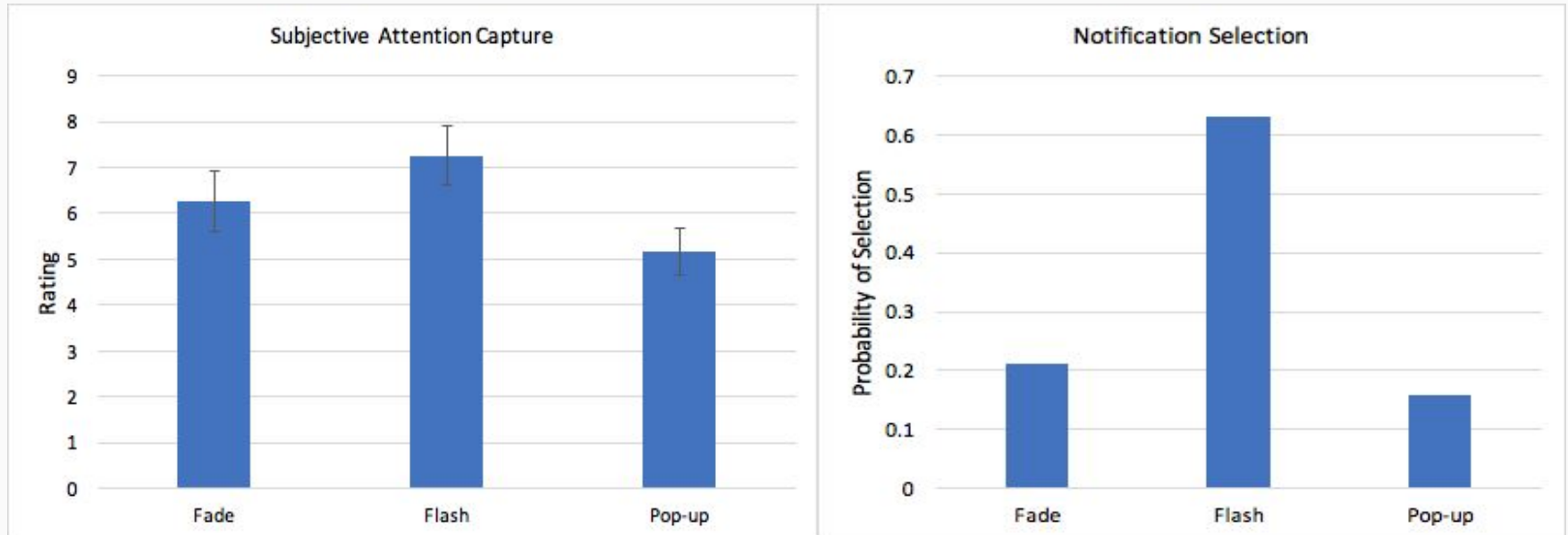
# Results: Participants

- 19 students ( $M_{age} = 26.8, SD = 7.93$ )

# Results: Widget Selection



# Results: Notifications





# Results: Open-Ended Responses

- Things that were well received
  - Dynamic widgets
  - The ability to make and track goals in multiple scopes
- Things to improve
  - Changing the widget selection process (Unchecking instead of resetting)
  - More detail in the graphs
  - More freedom on reminder time selection
  - Bring time-based goals and data back in
  - Add other high-end features (Word prediction, typo-checking, auto-correct, etc.)

# Discussion

- People liked the use of widgets
- People preferred widgets that would be frequently used and provide the most information in a short work session
  - Daily word count, email and calendar
- The flashing notification was preferred, overall despite it being the most intrusive, attentionally
- Many of the future improvements involve easier customization of goals, reminders and widgets, along with contemporary word processor tools (spell check, autocorrect, clock, etc.)

# Questions/Comments

