spark

Streamlining Student Growth Tracking For Teachers

Team

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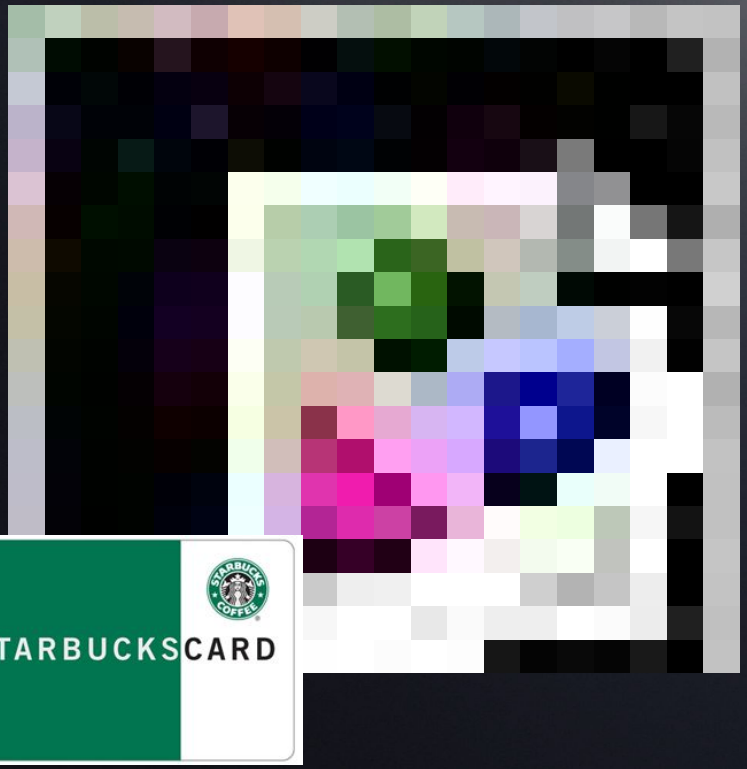
Talk Outline

1. Field Study Methods
    a. Participants
    b. Tasks
    c. Procedure
2. Test Results
3. Take-Aways
4. Future Plans

Method

Participants



-- Target Demographic --

Peckie (late 50’s)

Cisco (late 30’s)

Ash (mid 30’s)

Sharon (early 50’s)

Berna (late 50’s)

-- Non-Demographic Testers --

Katie (Sophomore)

David (Freshman)

Apparatus

Testing using an iPhone 6 Plus running our native application.

Using quicktime we screen captured each user test. We were able to capture gestures using Apple's accessibility feature.

Studies were held at Bing Nursery, Tressider, and Participants' Residences.

Procedure

1. Introduce Spark and Consent Form.
2. Describe each task and ask for completion.
3. Take notes on their mistakes.
4. Ask participant for general thoughts.

Tasks

Task 1:

Capture and Store a Moment

Looking For:

Clean and smooth transitions through capture task flow.

Speed.

Task 2:

View and Sort Moments in a Child's Developmental History

Looking For:

Clean transition from capture screen to archive.

Clarity regarding the sorting feature of Spark.

Task 3:

Share a Moment with a Child’s Parents

Looking For:

How the user navigates deeper into the Archive.

Whether the user understands the sharing mechanism.

Test Measures

Self-reported confusion.

Number of observed mistakes in task completion.

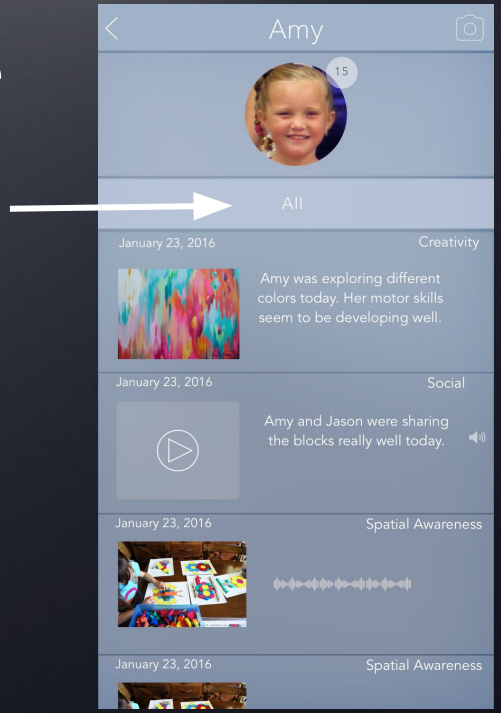
Time of task completion.

Severity of errors (minor, medium, major)

Results

Filter Moments Confusion

Was not clear that filter button was a clickable button.



<u>Mistakes</u>

Minor: 0

Medium: 1

Major: 0

Add Students Error

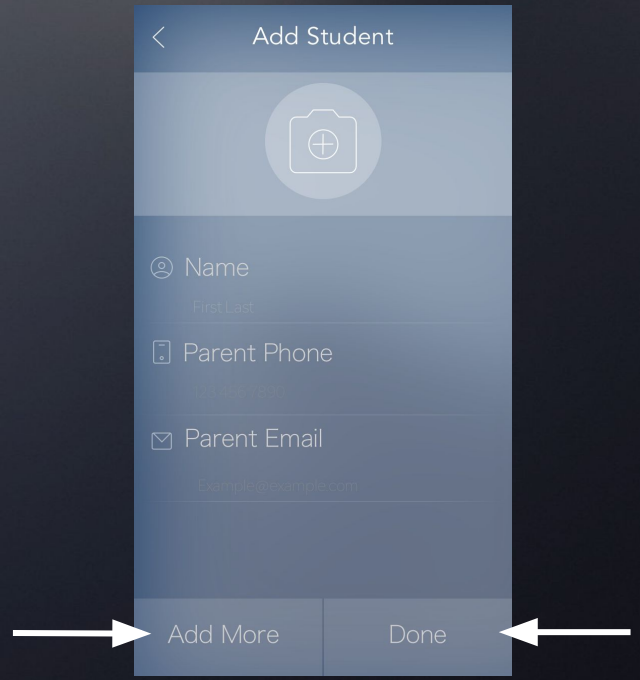
"Add More" and "Done" should only appear when sufficient information has been entered.

<u>Mistakes</u>

Minor: 0

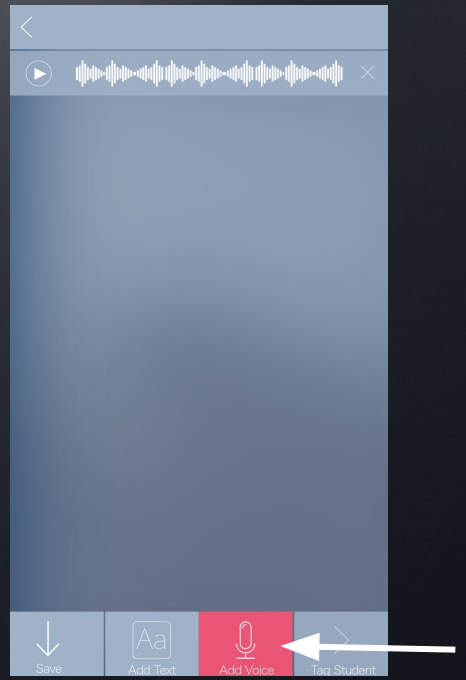
Medium: 1

Major: 0



Voice Recording Confusion

It was unclear that voice recording began once “Add Voice” was clicked. Furthermore, participants struggled with how to end a voice recording.



<u>Mistakes</u>

Minor: 1

Medium: 1

Major: 1

Deleting Moment in Middle of Capture

There is no way to delete a moment from the tagging screens.

<u>Mistakes</u>

Minor: 0

Medium: 1

Major: 0

Trying to Tag Students Before Capturing Moment

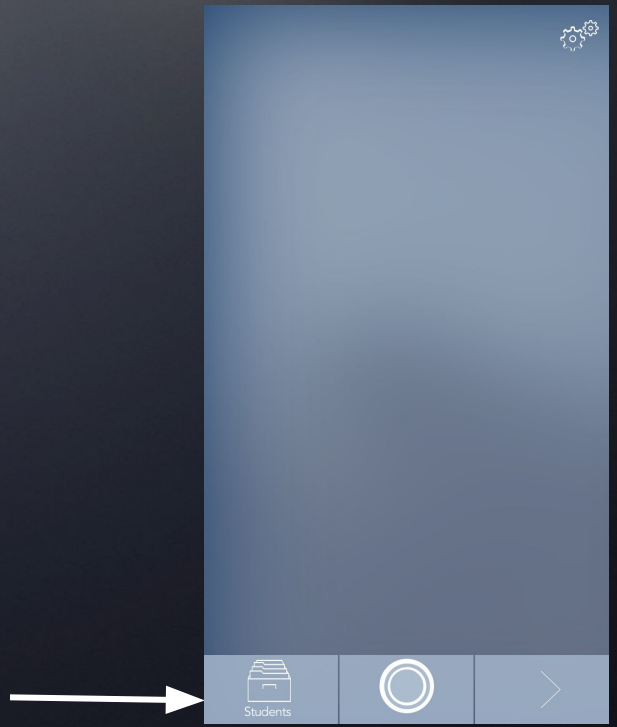
When asked to capture a moment, two participants went to the archive first to tag the student before capturing the moment associated to the student.

<u>Mistakes</u>

Minor: 0

Medium: 1

Major: 1



Keyboard Done Button

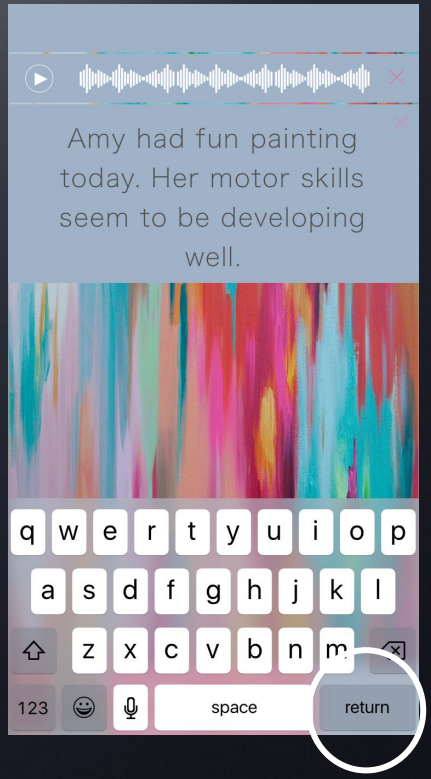
Done button on Keyboard does not work.

<u>Mistakes</u>

Minor: 2

Medium: 1

Major: 0



Discussion

Major Takeaways

Greater focus on clarity with regards to the functionality of certain buttons.

Address Capture Flow Confusion (Interesting)

Uncovered some minor bugs.

Difficulties

Trouble finding teachers to test on (got lucky).

Issues testing in actual classroom environment.

Wi-Fi Issues at Bing.

Unavailability of testers over the weekend.

Future Work

Install app on teachers' devices for future use.

Fix speed of app by implementing caching.

Finish adding remaining functionality.

Look & Feel - Polishing icons, color scheme, button sizes, etc...

Thank You!