

Medium-Fi Prototype

...

clicked

Gordon D. Michael K. Jake M. Krister J.

Mission Statement:

Mission Statement:

“Never Leave Class Confused.”

Problem/Solution Overview:

Problem:

Solution:

Problem/Solution Overview:

Problem:

Public Embarrassment

Solution:

Problem/Solution Overview:

Problem:

Public Embarrassment

(Admitting that you don't understand in front of others)

Solution:

Problem/Solution Overview:

Problem:

Public Embarrassment

(Admitting that you don't understand in front of others)

Solution:

Temporary Anonymity

Problem/Solution Overview:

Problem:

Public Embarrassment

(Admitting that you don't understand in front of others)

Solution:

Temporary Anonymity

(Teacher can know who you are after class)

Task Overview:

Simple:

Moderate:

Complex:

Task Overview:

Simple: Students need to alert their teacher when they are confused in class.

Moderate:

Complex:

Task Overview:

Simple: Students need to alert their teacher when they are confused in class.

Moderate: Teachers need to effectively read the classroom to determine student understanding during a lecture.

Complex:

Task Overview:

Simple: Students need to alert their teacher when they are confused in class.

Moderate: Teachers need to effectively read the classroom to determine student understanding during a lecture.

Complex: Teachers need to update their next lesson after class based on what happened during class that day.

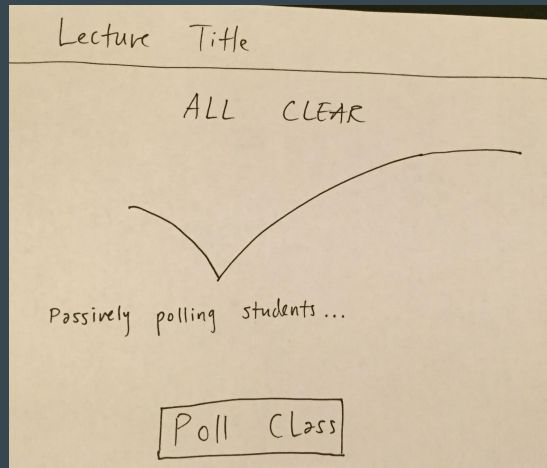
Low-fi Prototype Edit #1

More intuitive “All Clear” screen, prompting teacher to begin teaching.



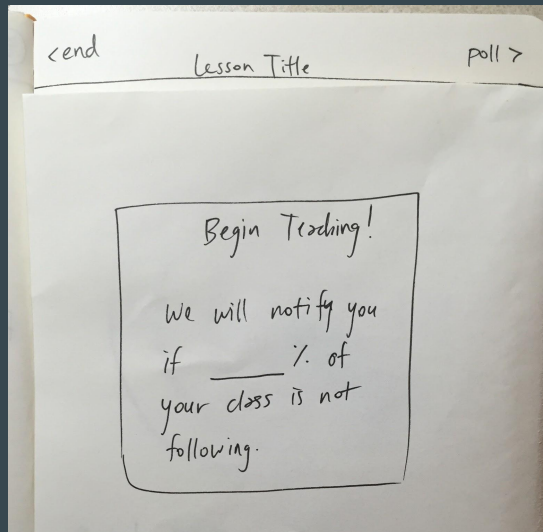
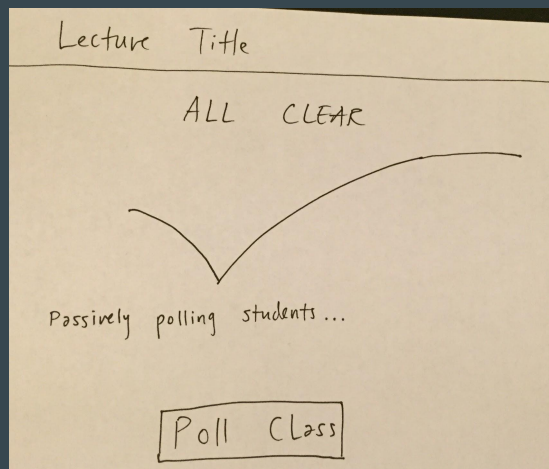
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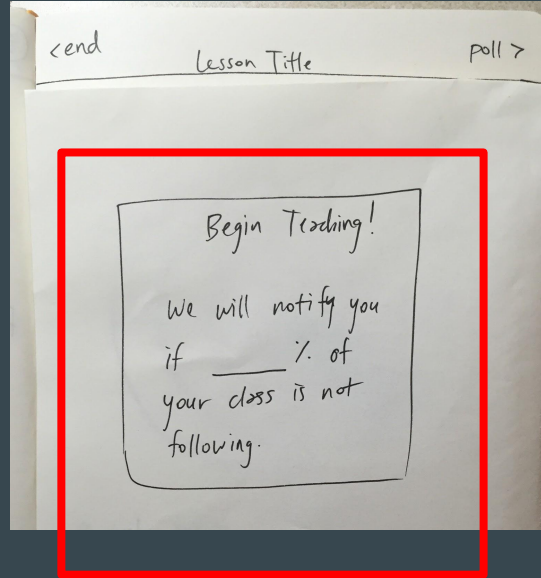
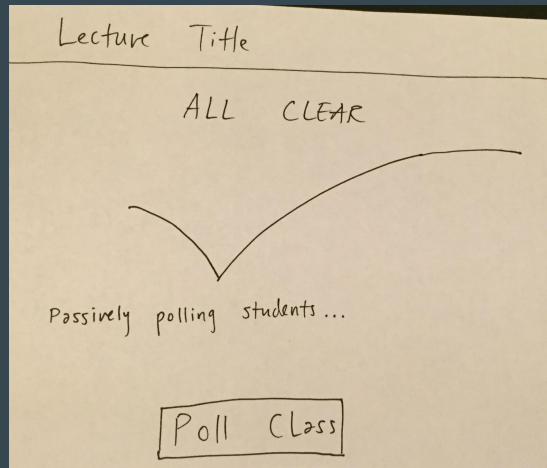
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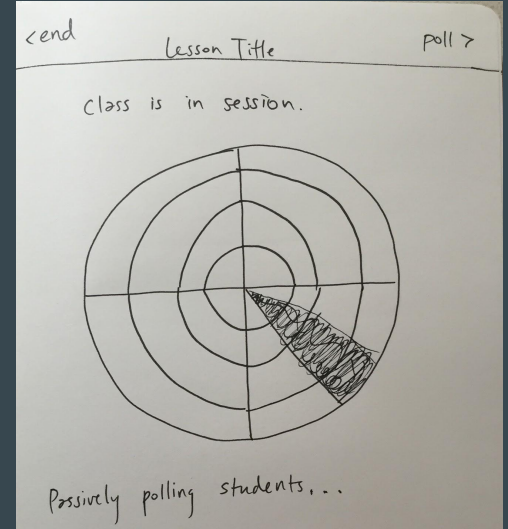
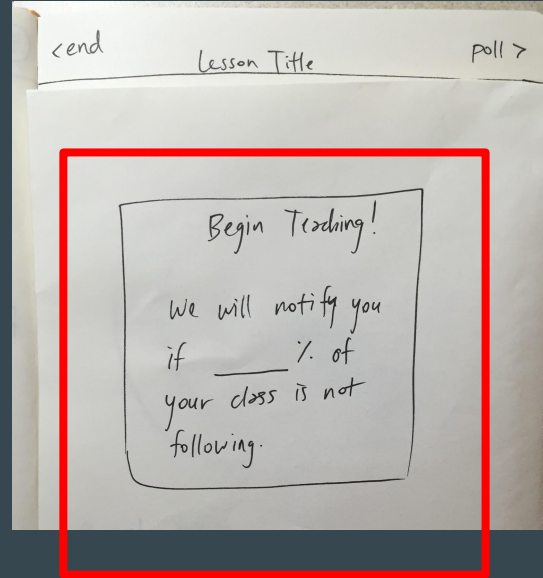
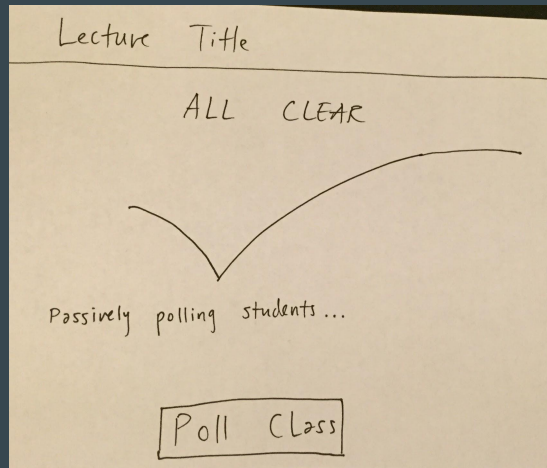
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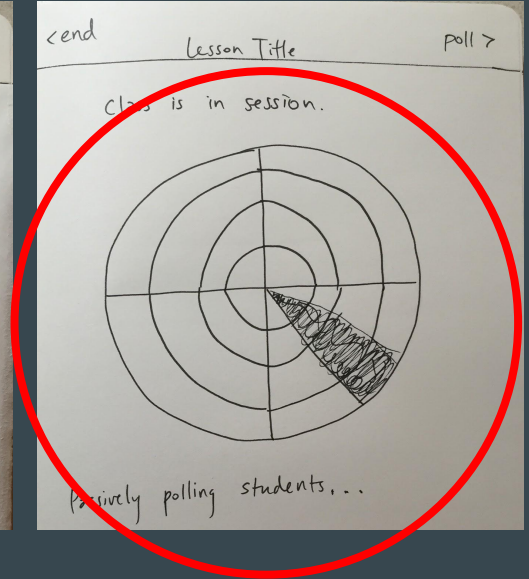
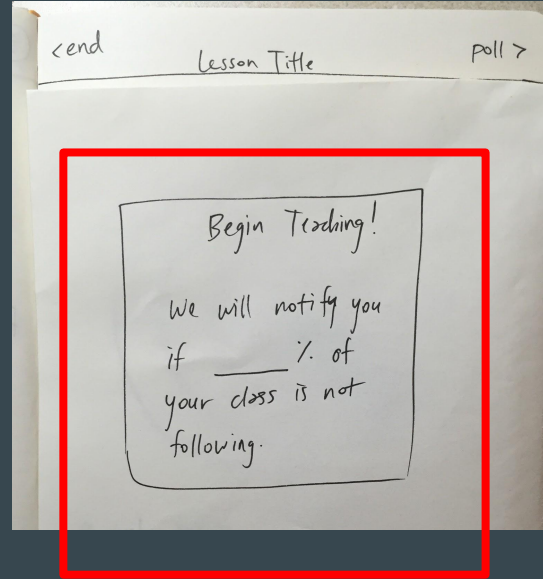
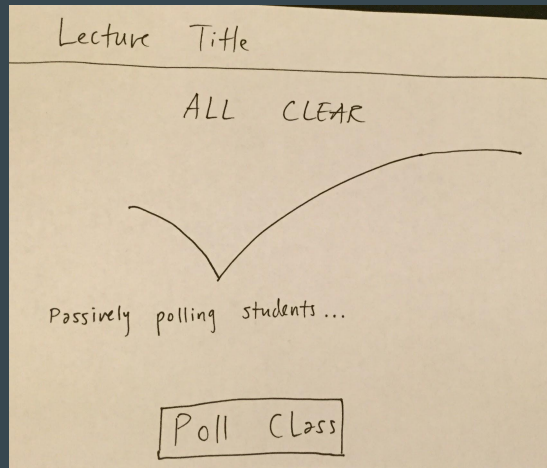
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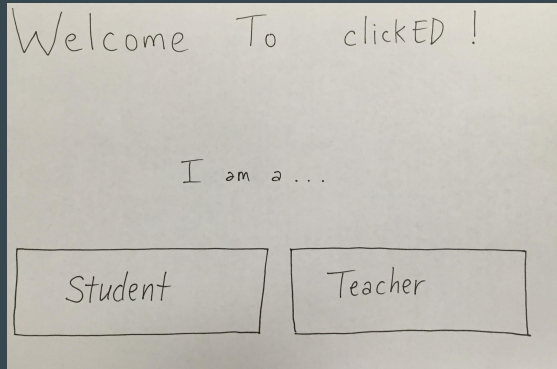
Low-fi Prototype Edit #2

Login Screen so as to identify students in teacher's after-class summary.



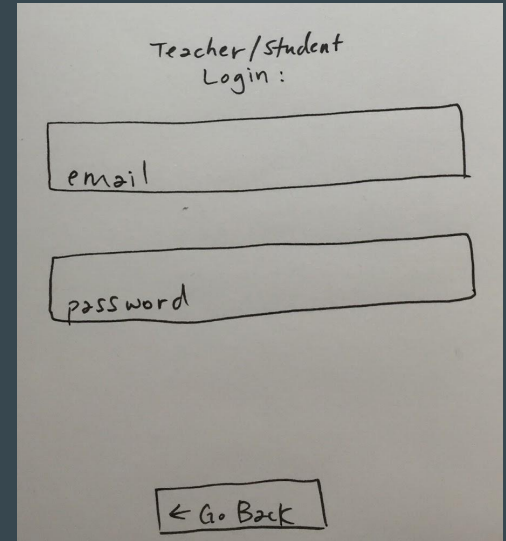
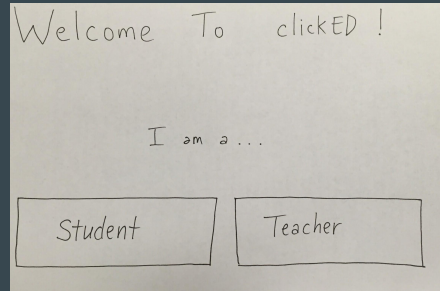
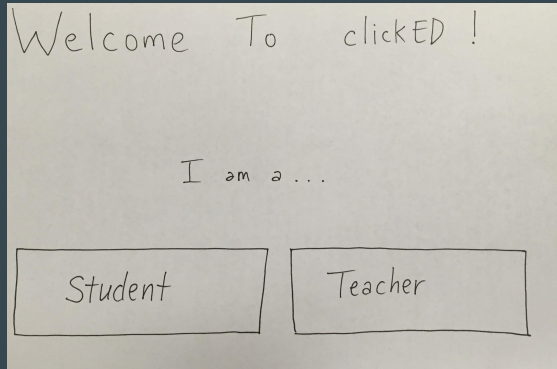
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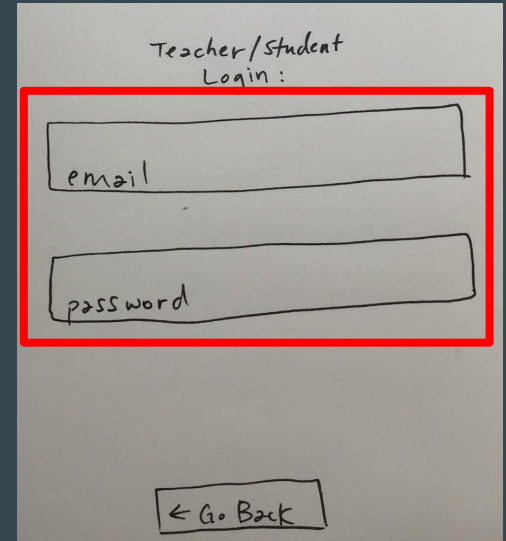
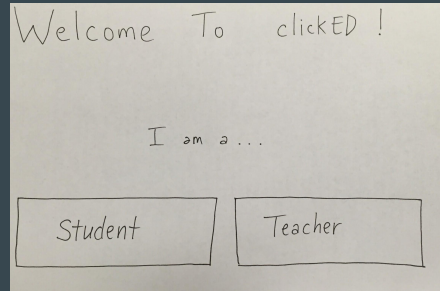
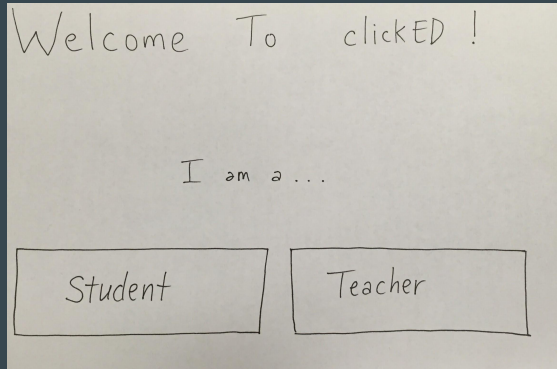
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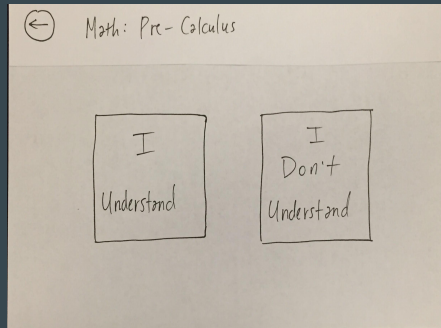
Low-fi Prototype Edit #3

More specific feedback than just “I don’t understand.”



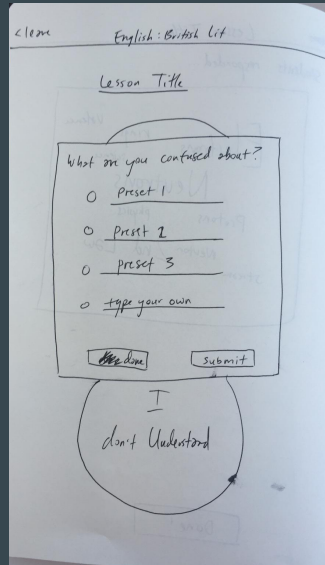
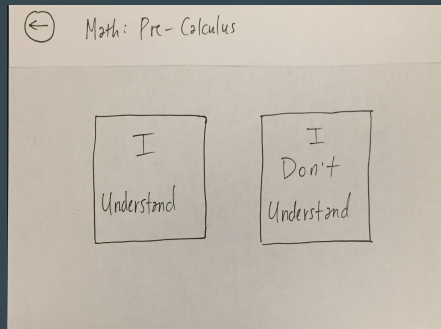
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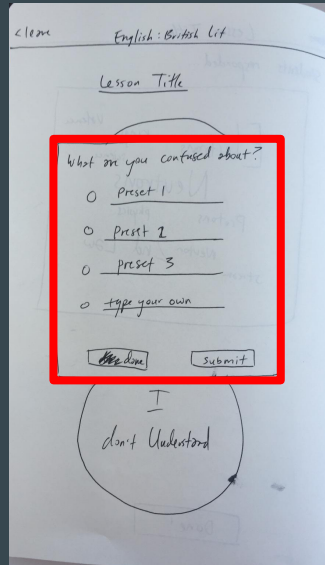
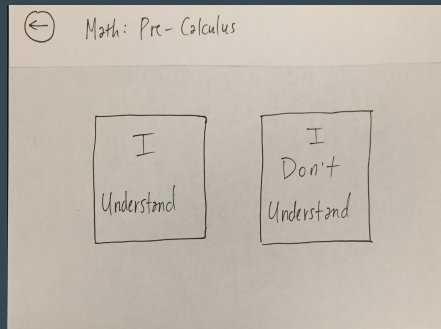
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What are you confused about?

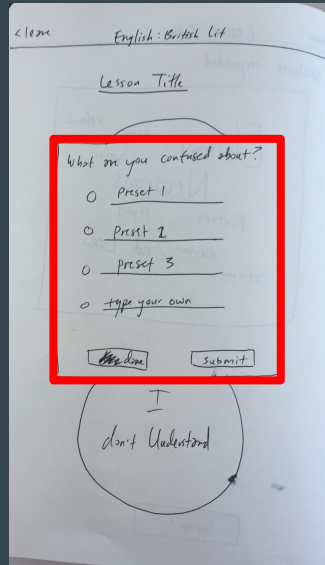
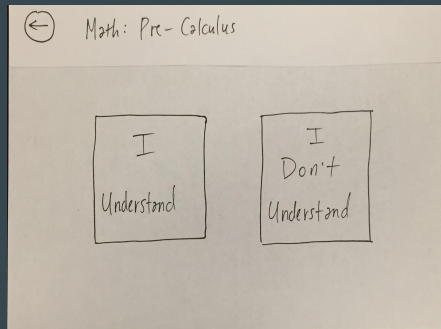
- ☐ Preset 1
- ☐ Preset 2
- ☐ preset 3
- ☐ type your own

~~done~~ done

Submit

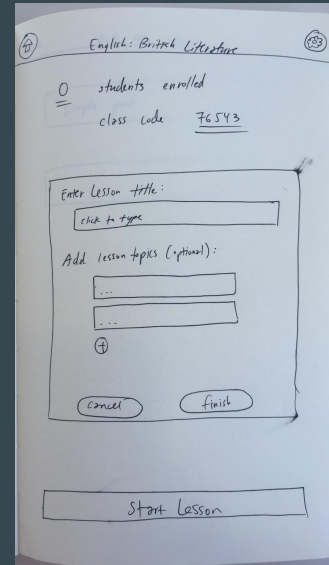
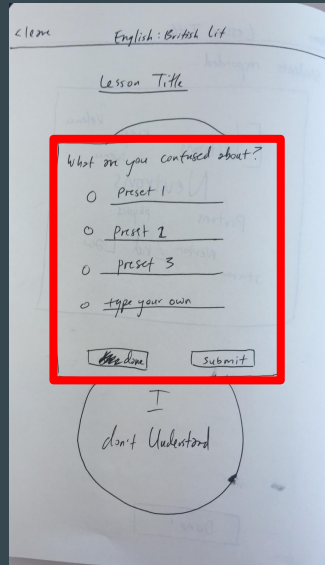
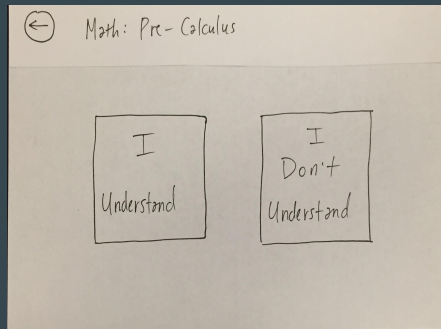
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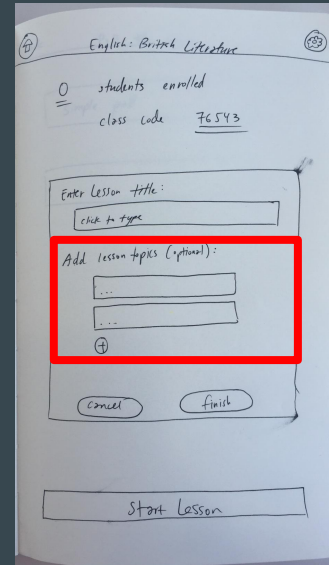
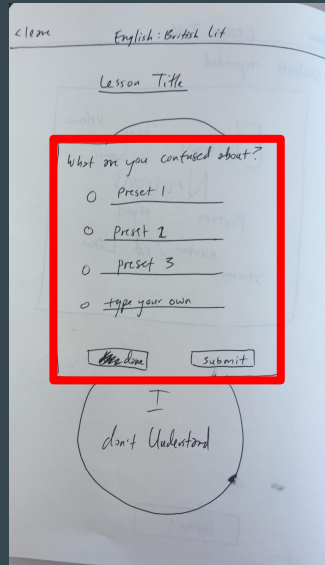
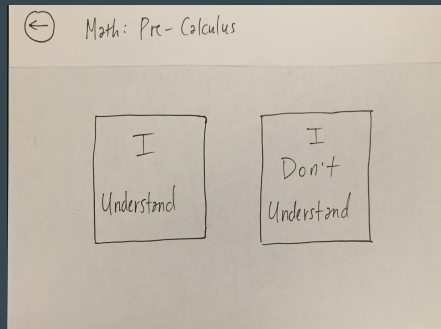
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Enter Lesson title:

click to type

Add lesson topics (optional):

...

...

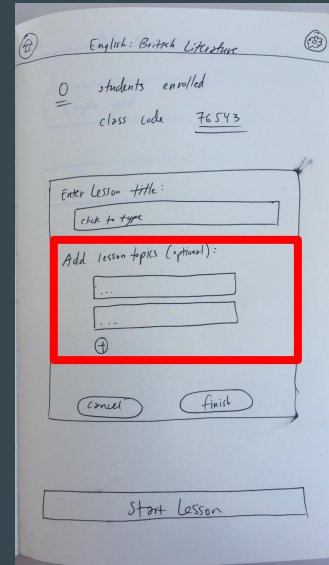
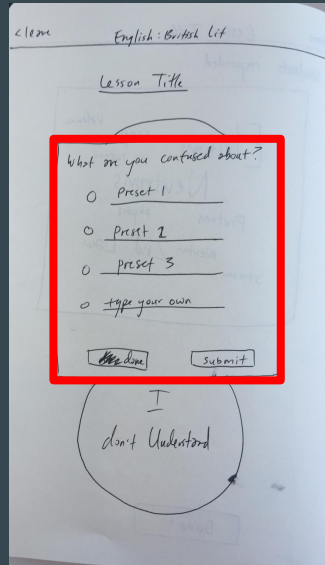
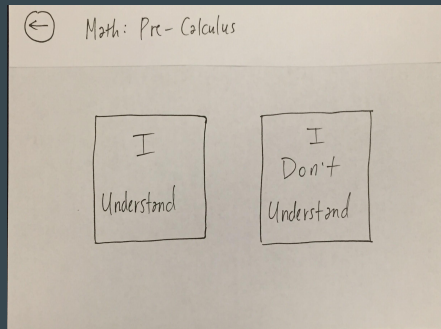


cancel

finish

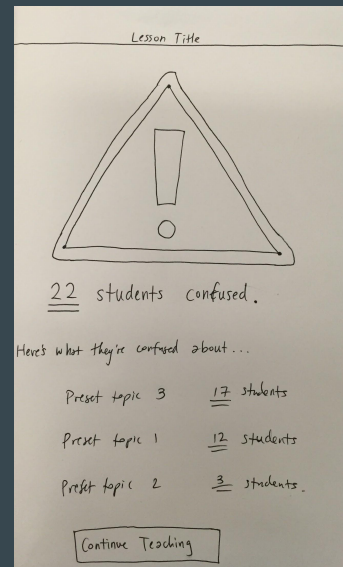
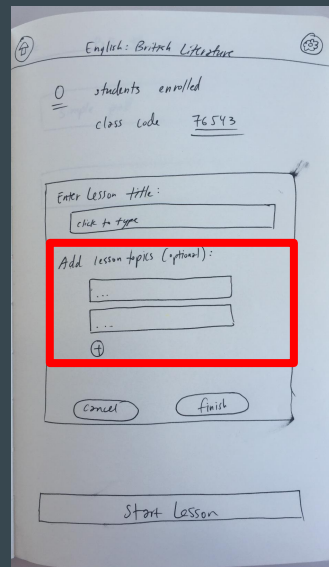
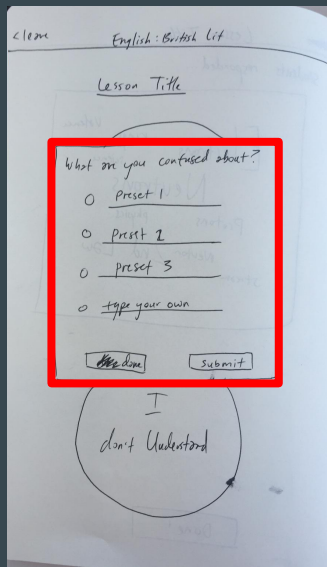
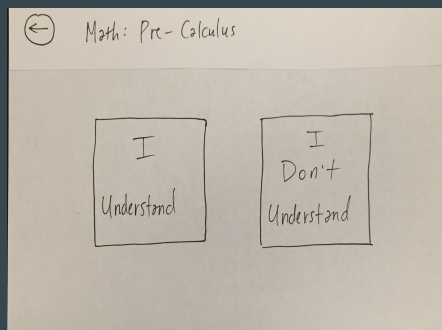
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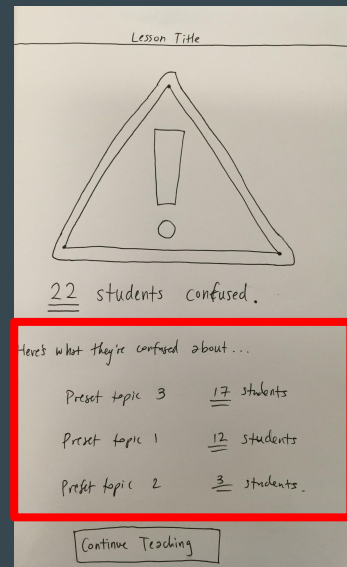
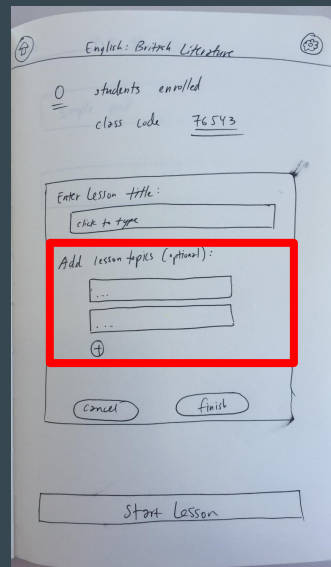
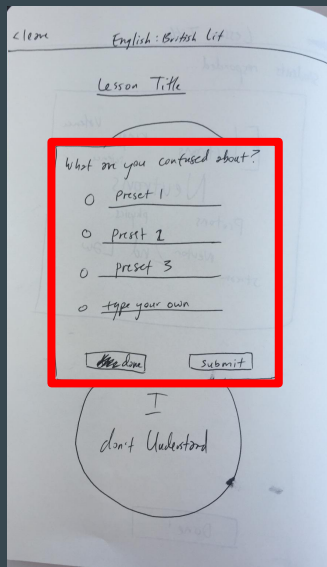
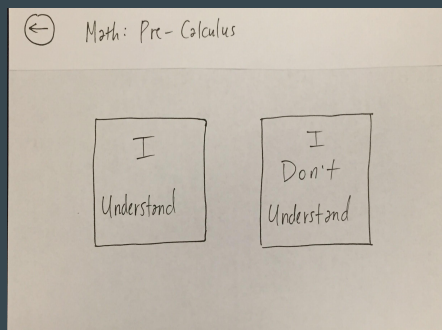
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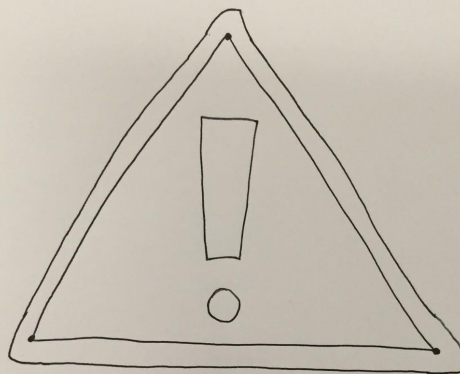
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22 students confused.

Here's what they're confused about...

Preset topic 3 17 students

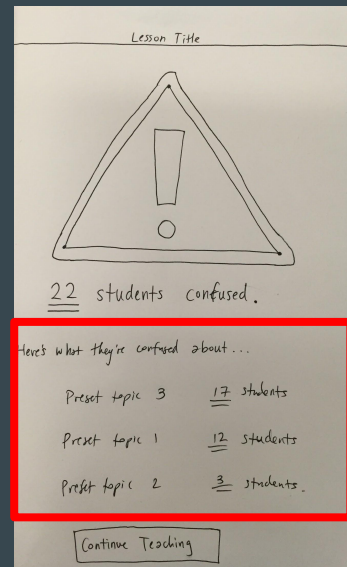
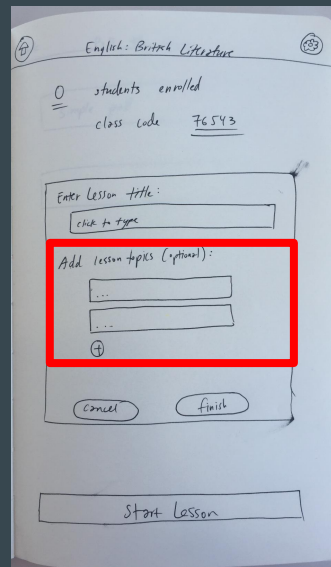
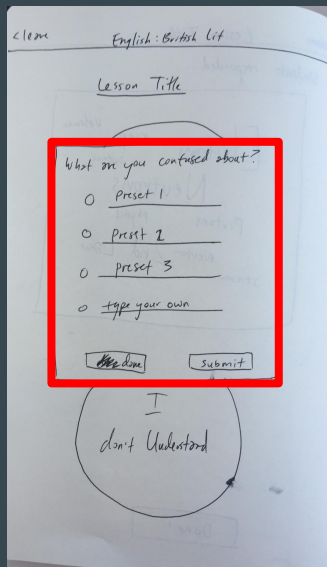
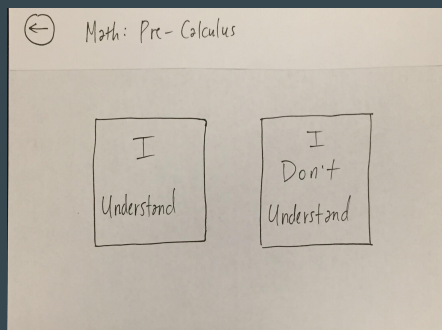
Preset topic 1 12 students

Preset topic 2 3 students.

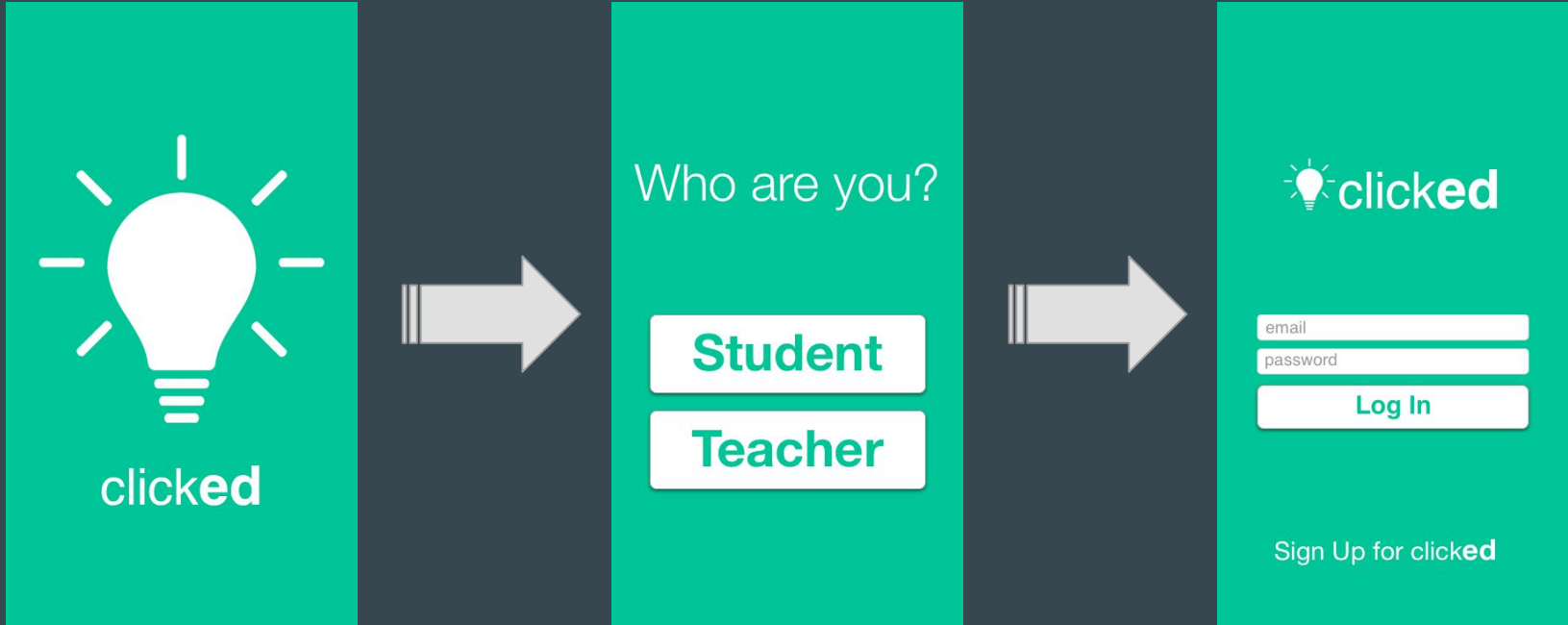
Continue Teaching

Low-fi Prototype Edit #3

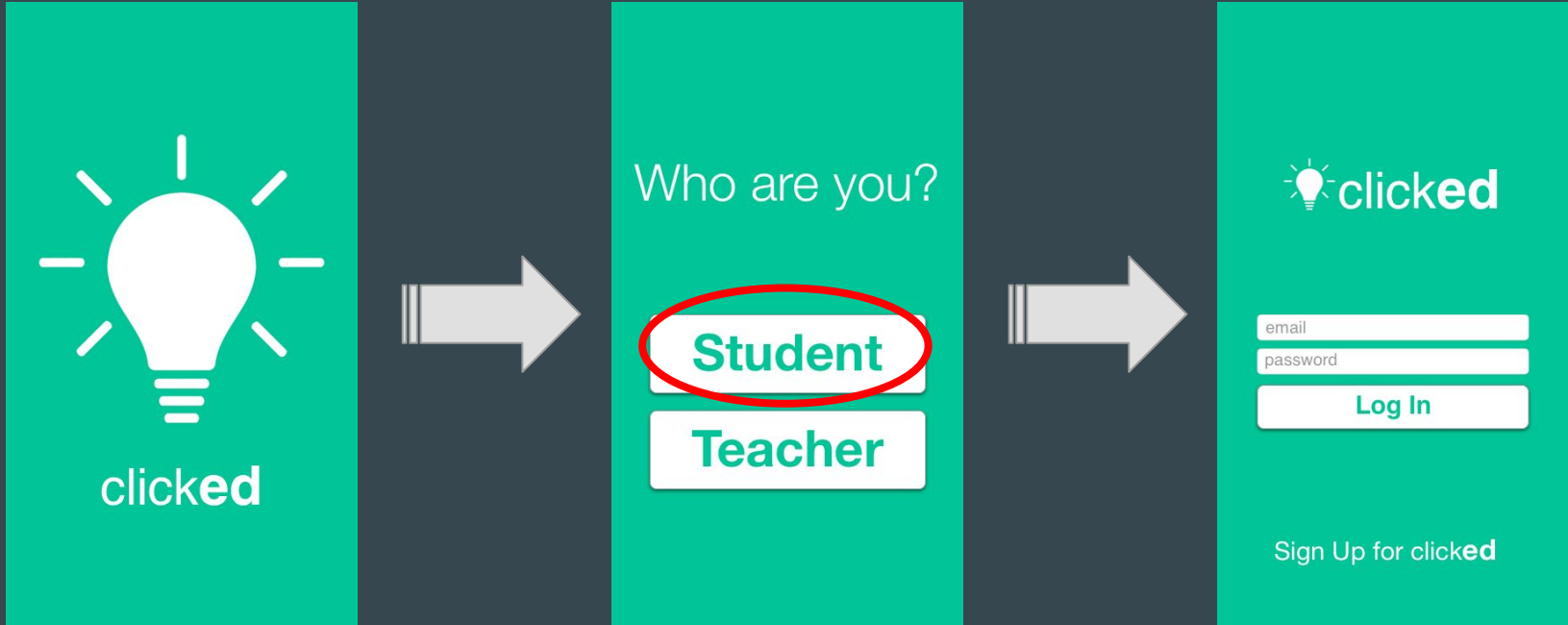
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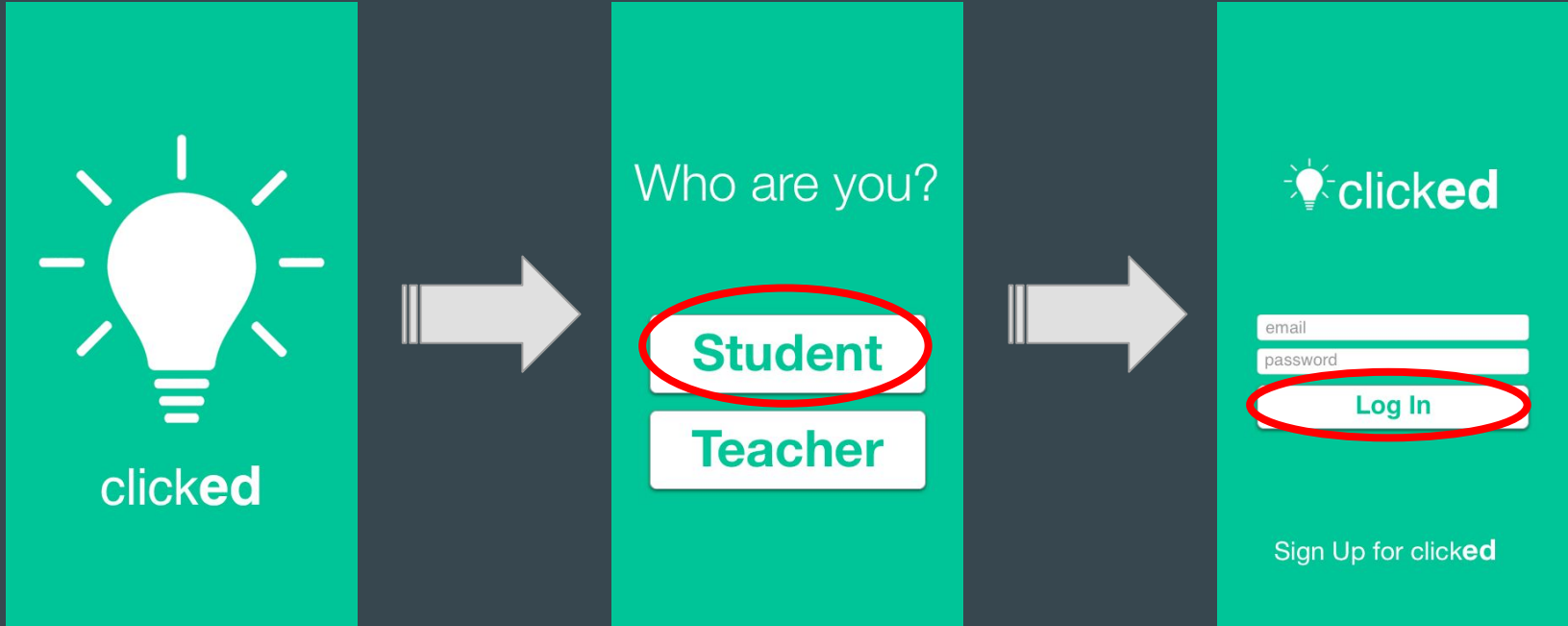
Task 1 Storyboard



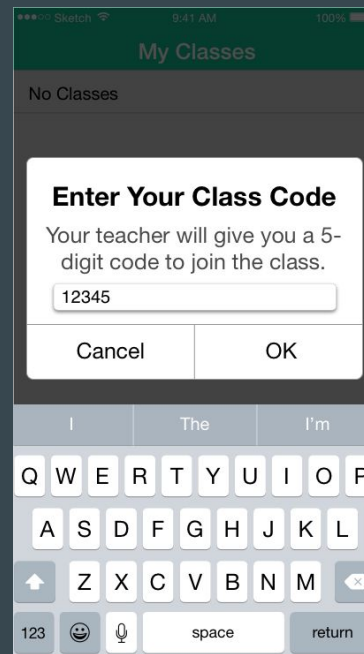
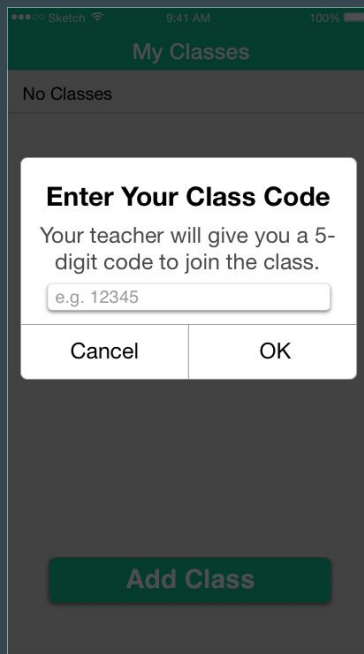
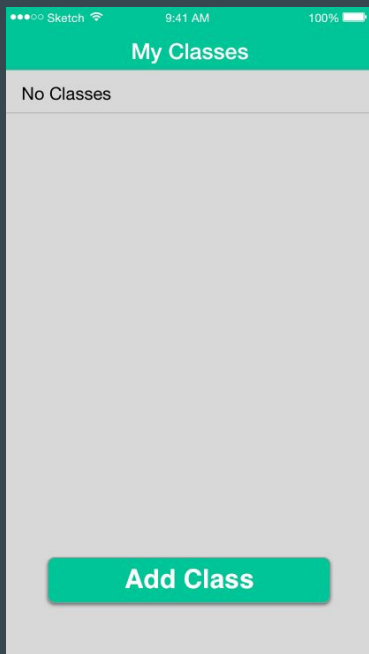
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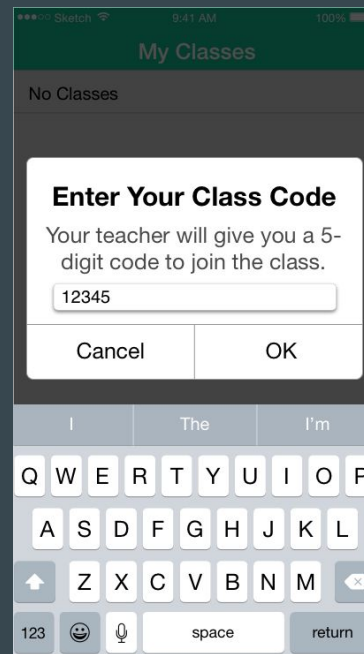
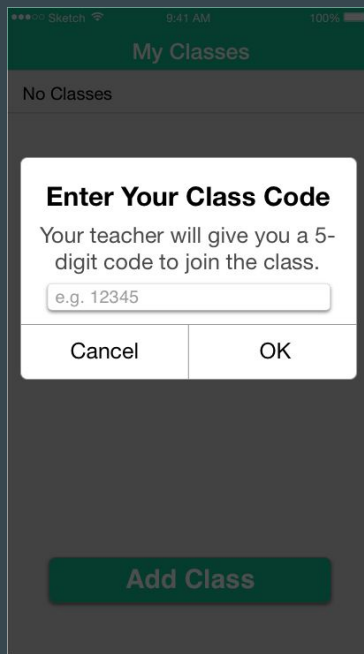
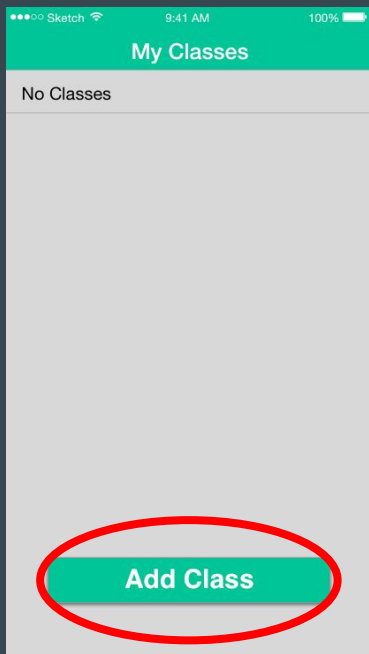
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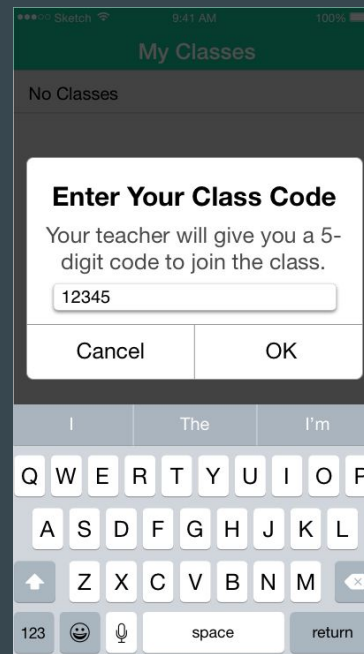
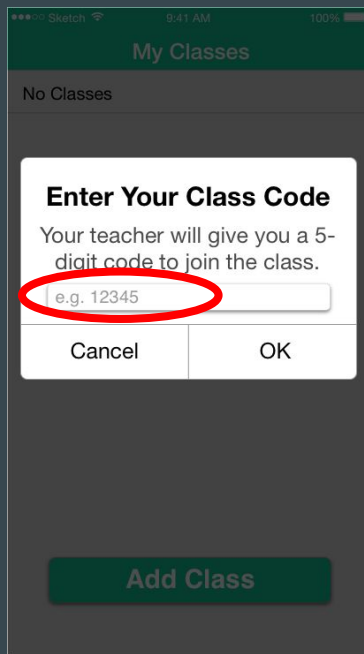
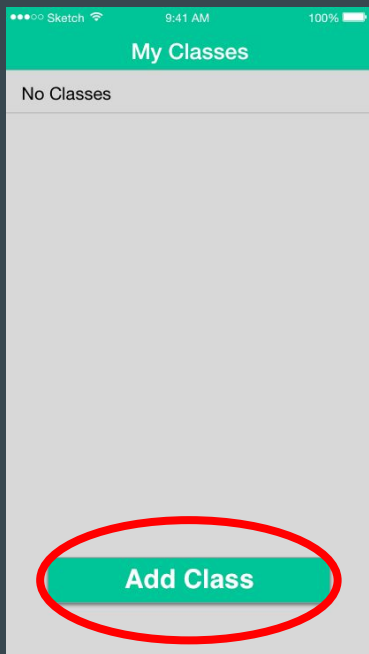
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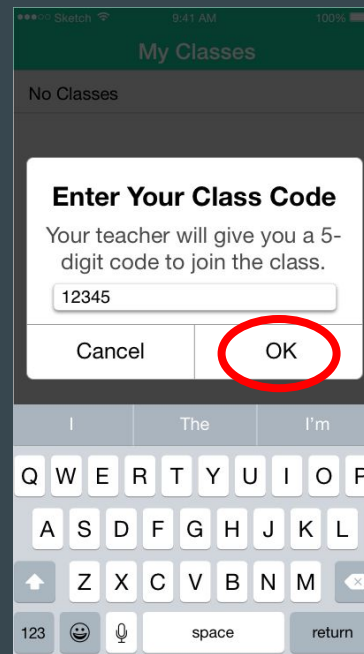
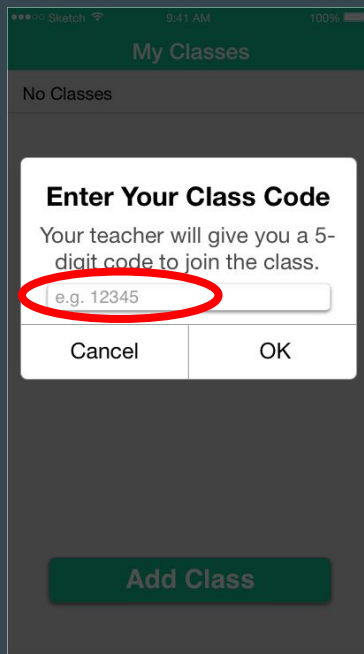
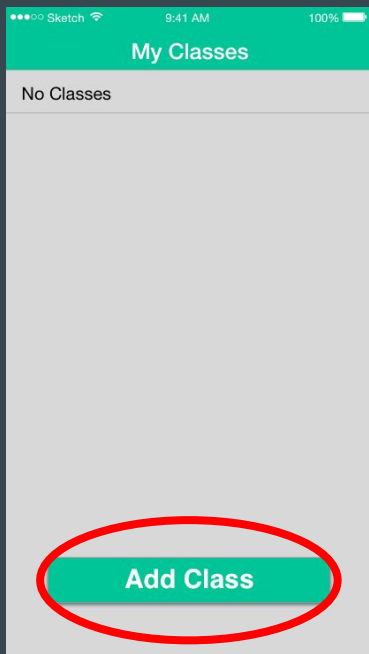
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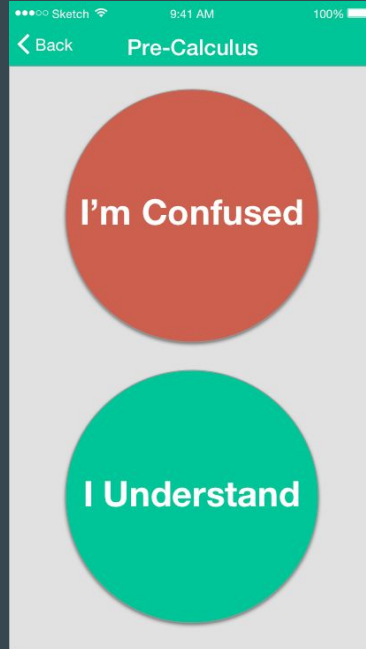
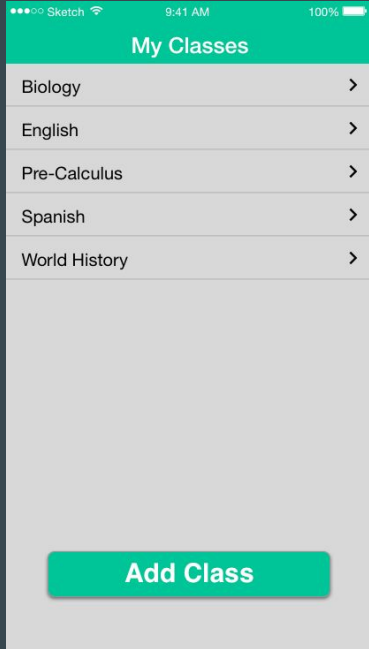
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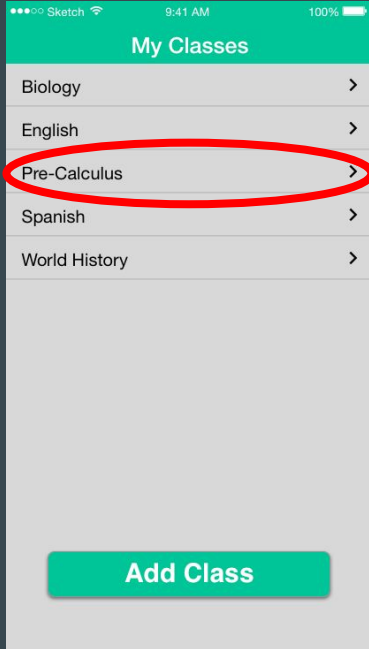
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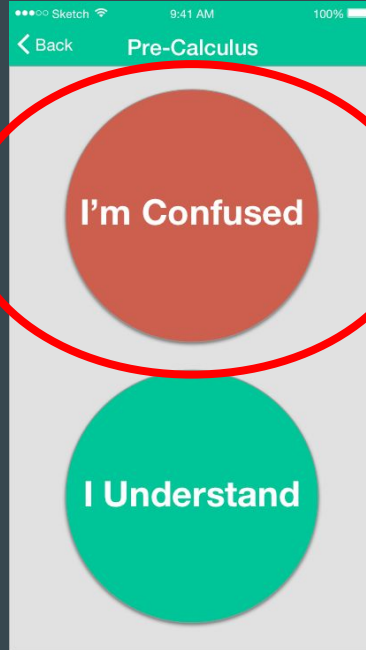
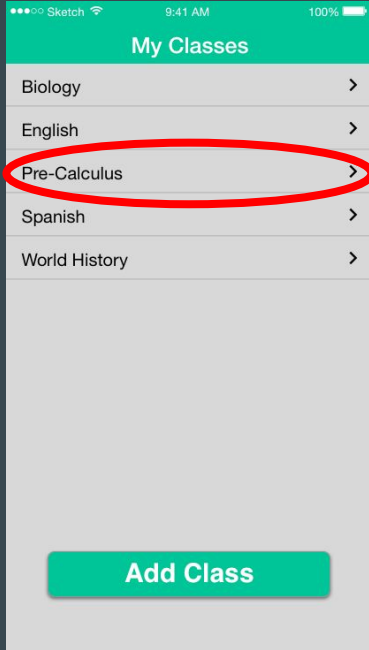
Task 1 Storyboard



Task 1 Storyboard



Task 1 Storyboard



Task 1 Storyboard

What are you confused about?

Fractions
Variables
Equations
Proofs

Ask a Question

e.g. What is a theorem?

Submit



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Proofs ✓

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What was the value of x?

I The I'm

Q W E R T Y U I O P

A S D F G H J K L

↑ Z X C V B N M ↵

123 😊 🗣 space return

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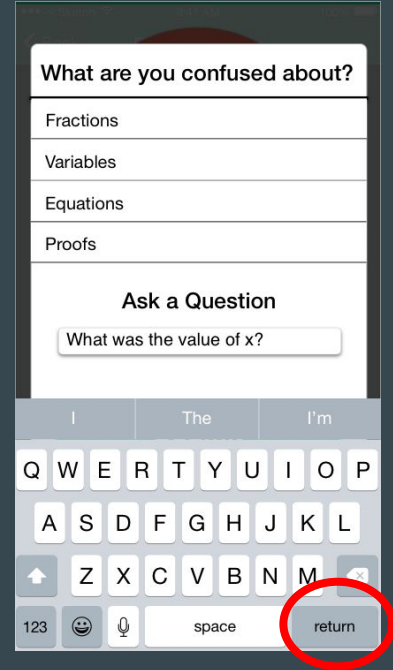
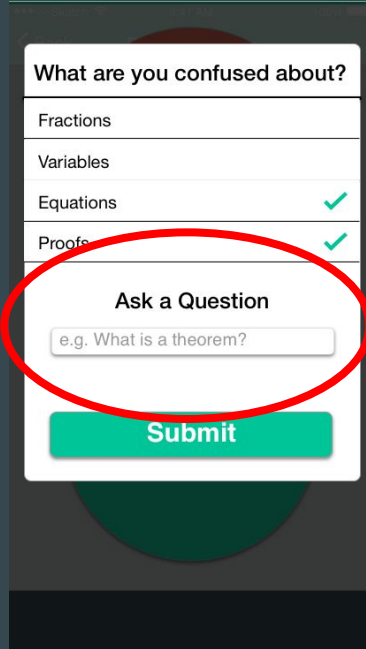
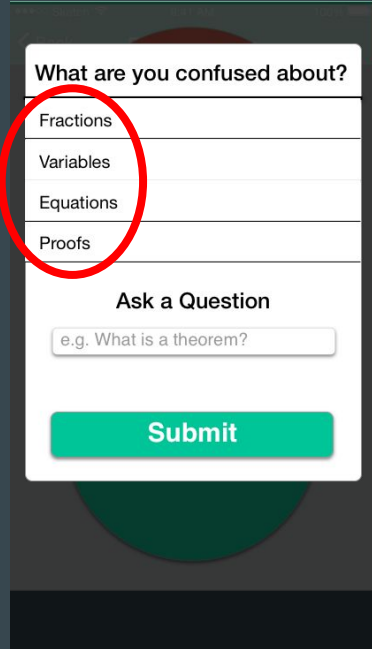
Q W E R T Y U I O P

A S D F G H J K L

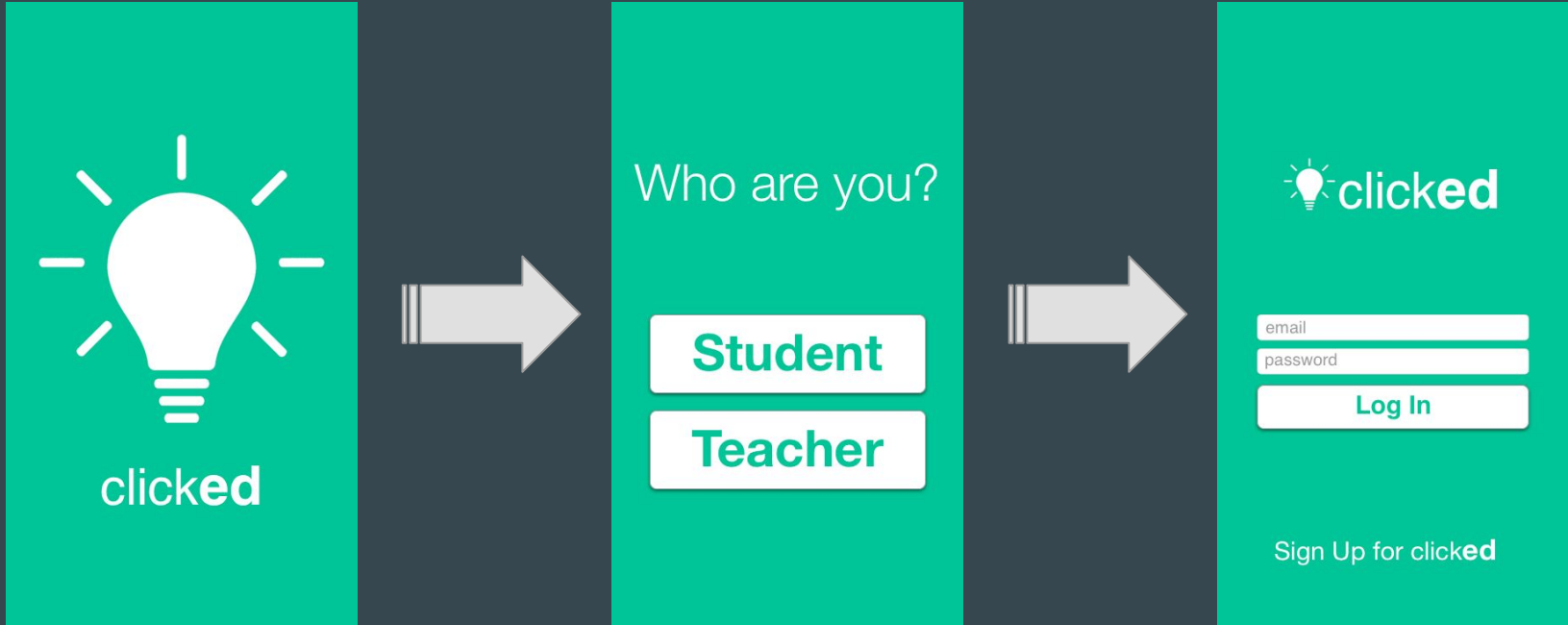
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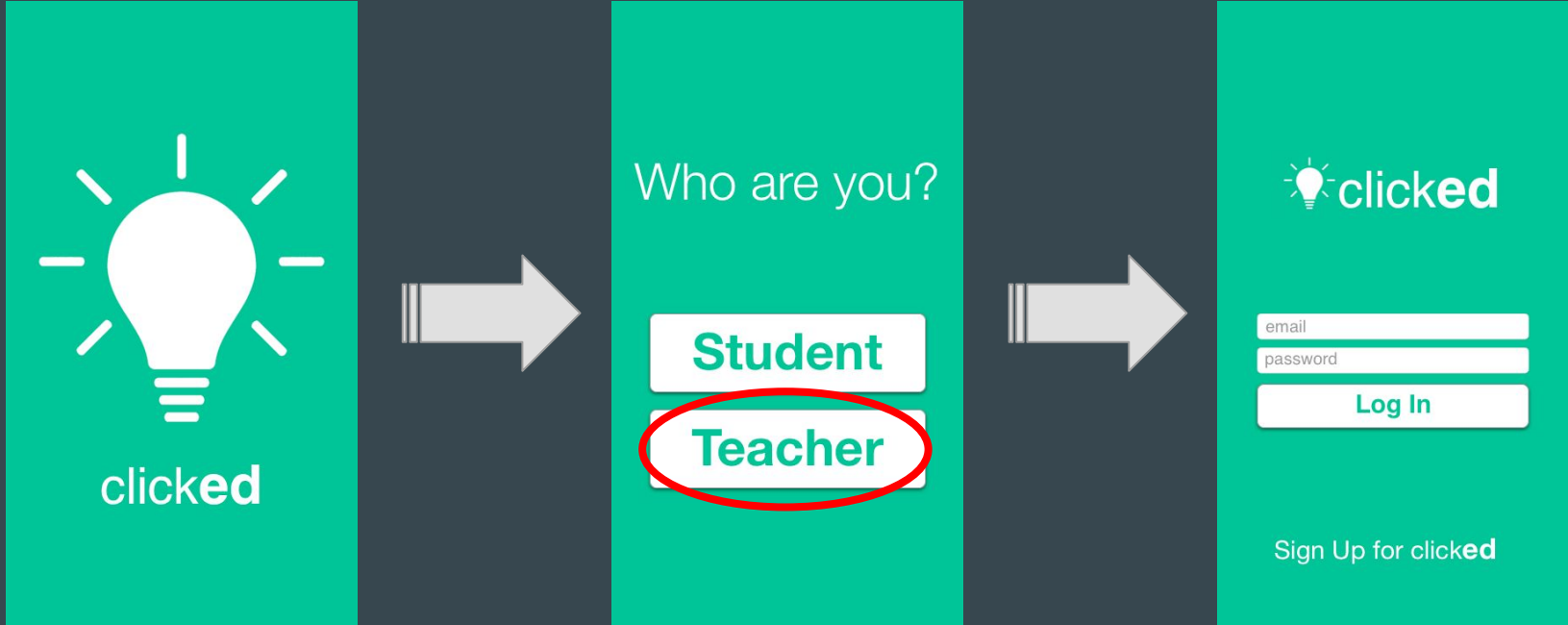
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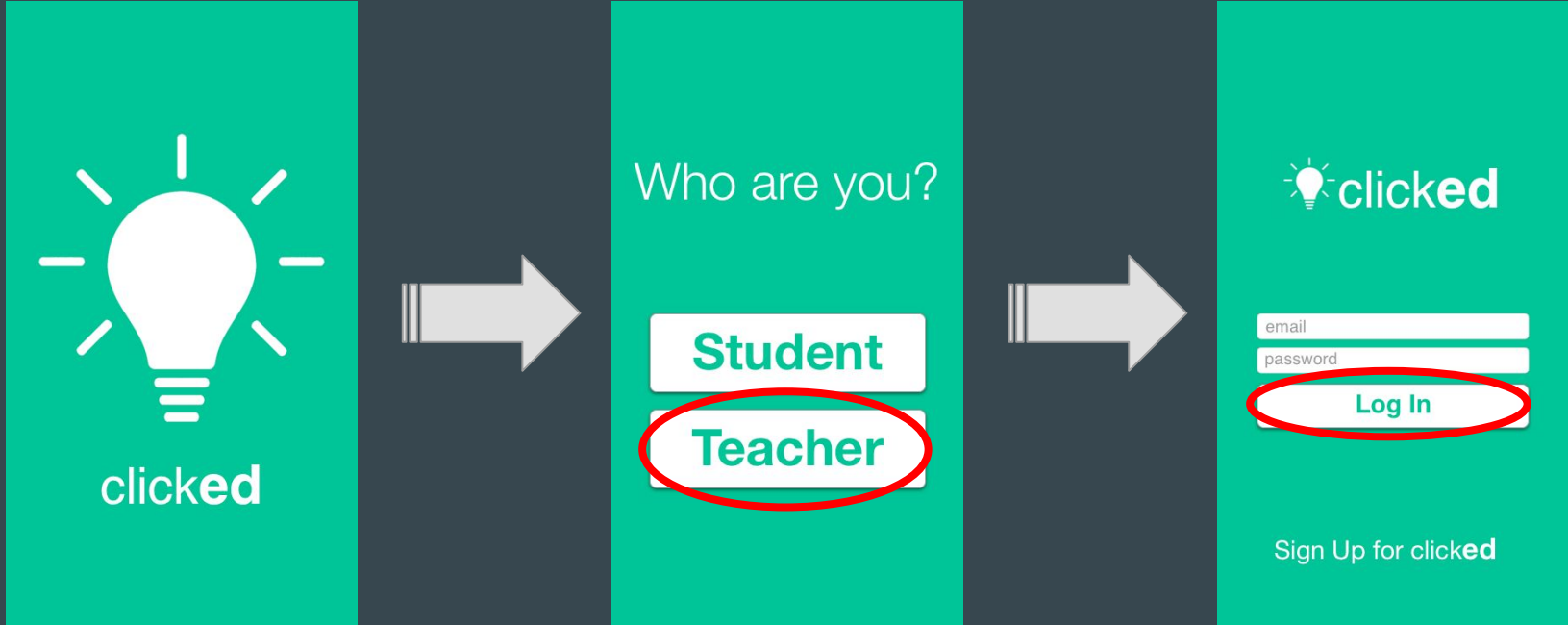
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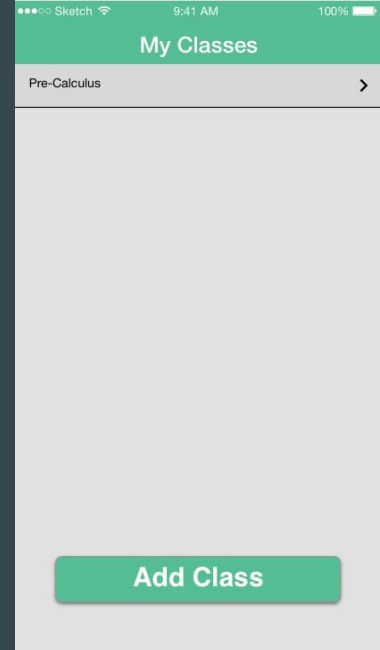
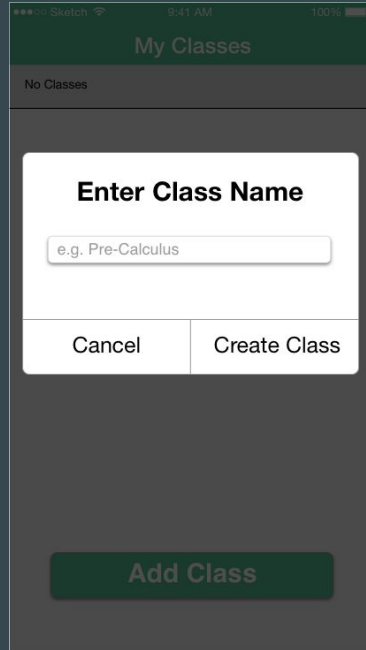
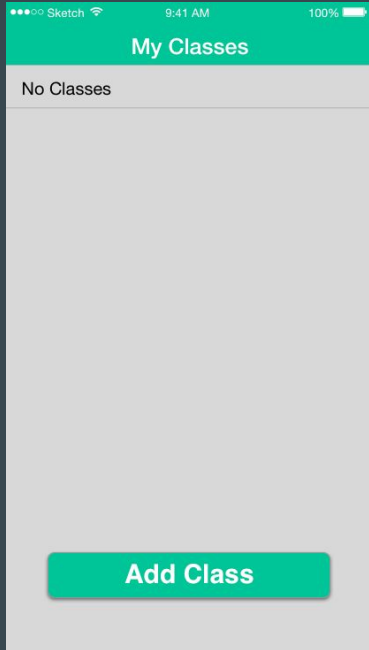
Task 2 Storyboard



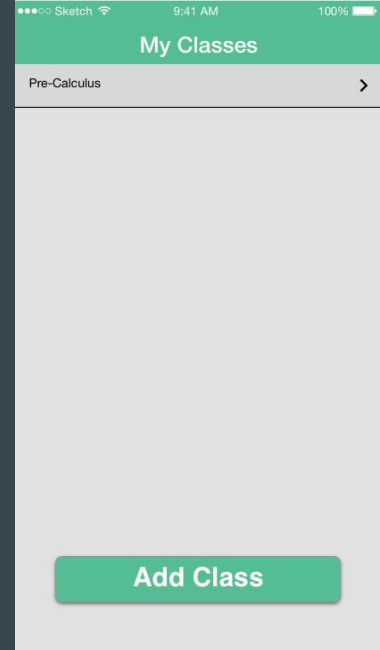
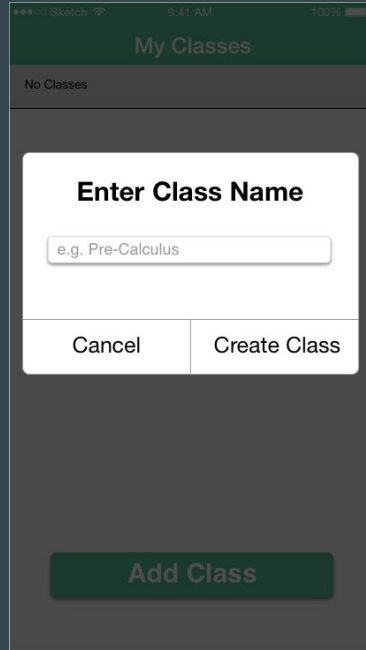
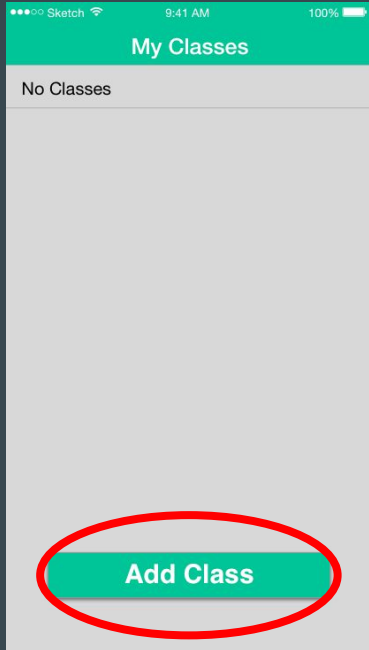
Task 2 Storyboard



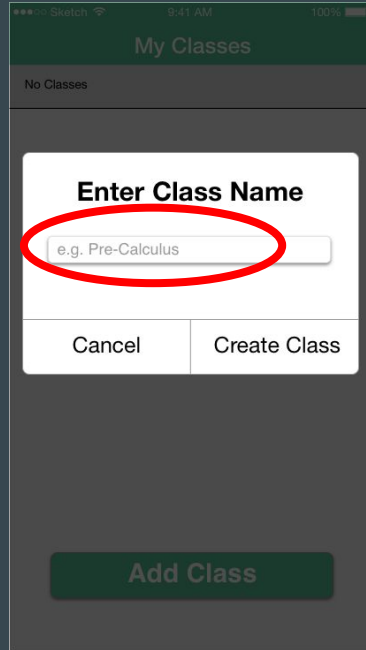
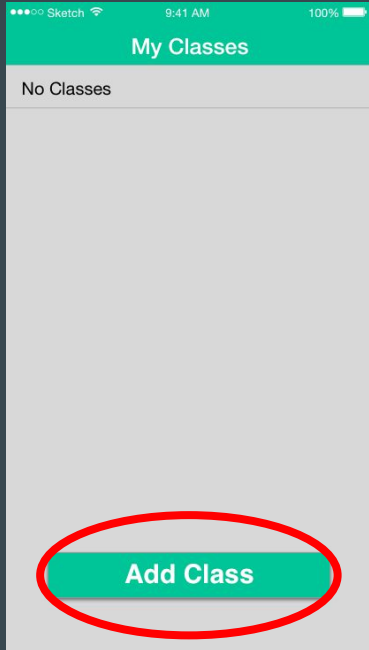
Task 2 Storyboard



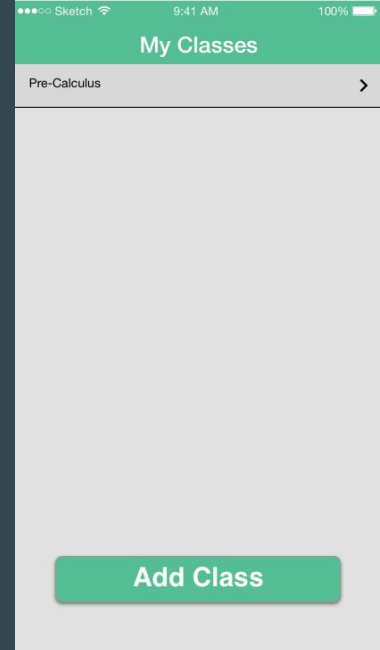
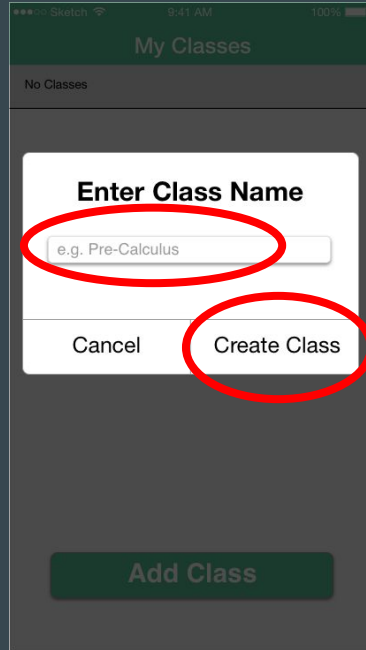
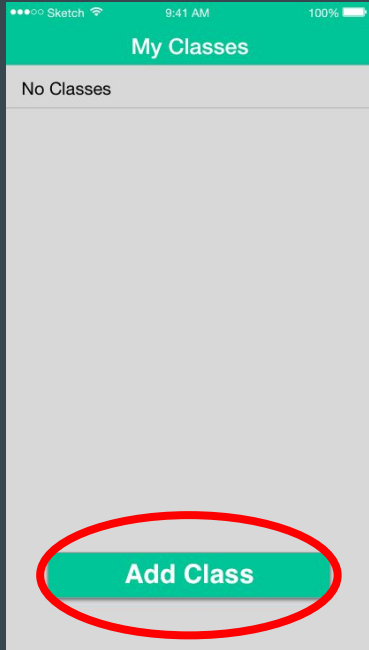
Task 2 Storyboard



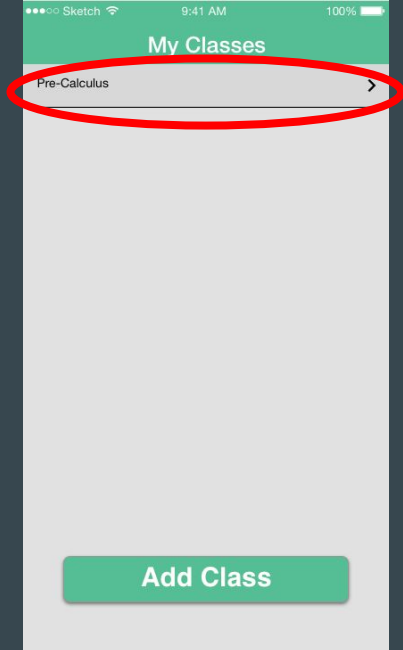
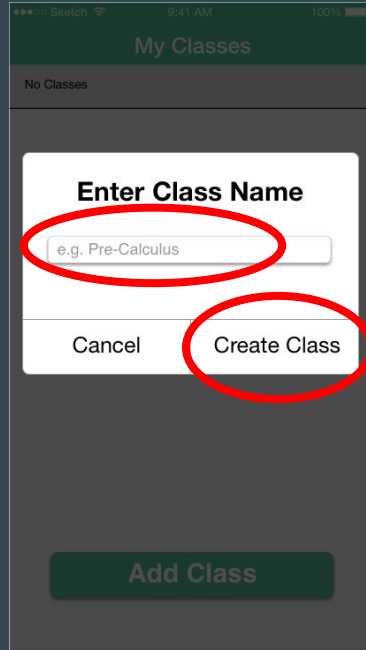
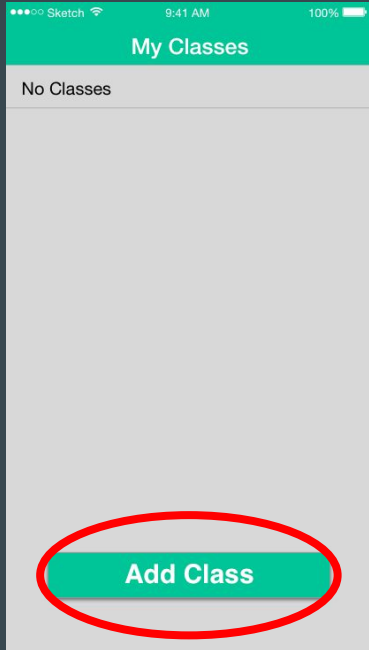
Task 2 Storyboard



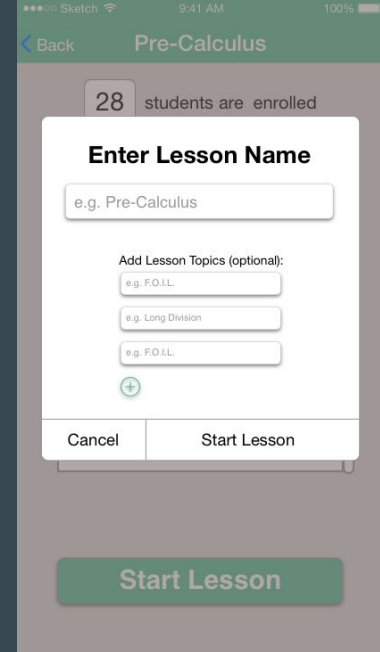
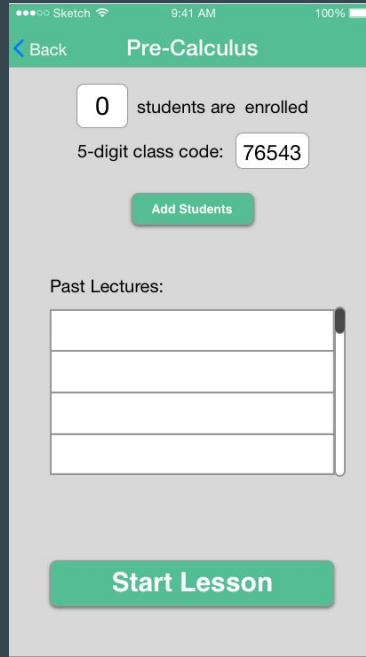
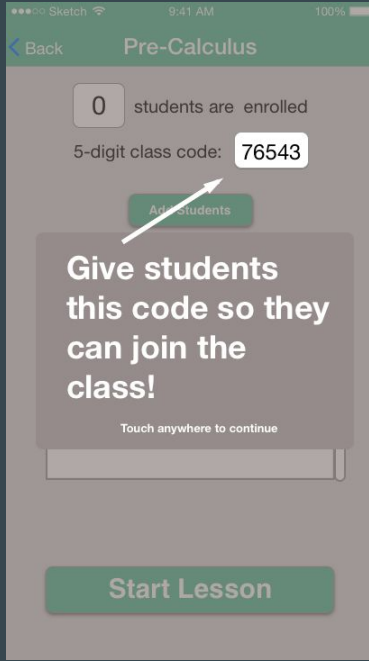
Task 2 Storyboard



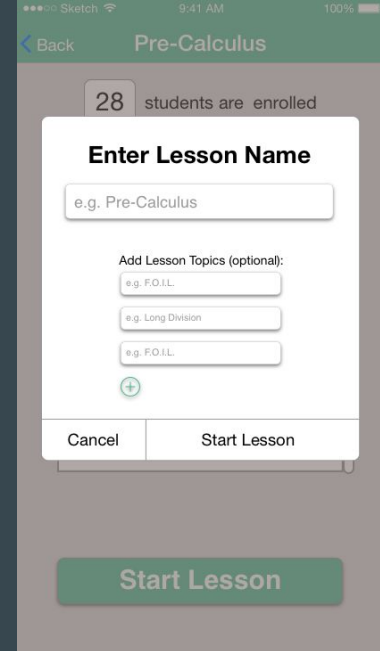
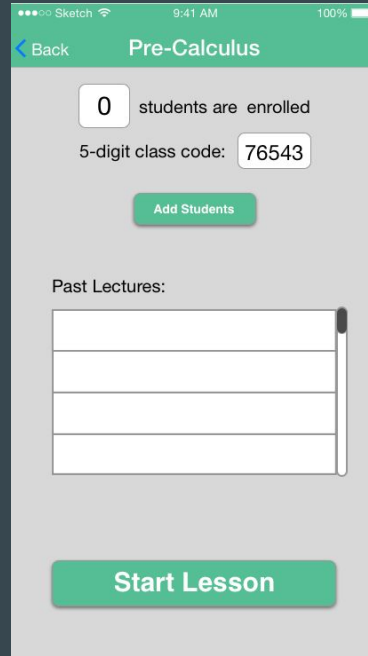
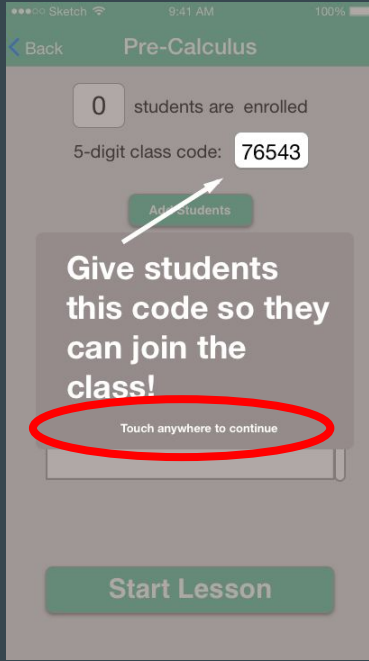
Task 2 Storyboard



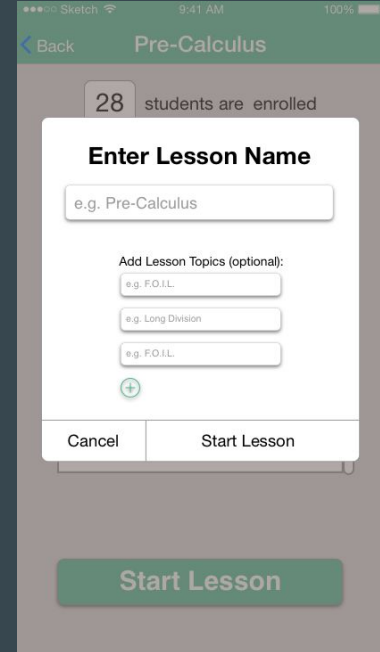
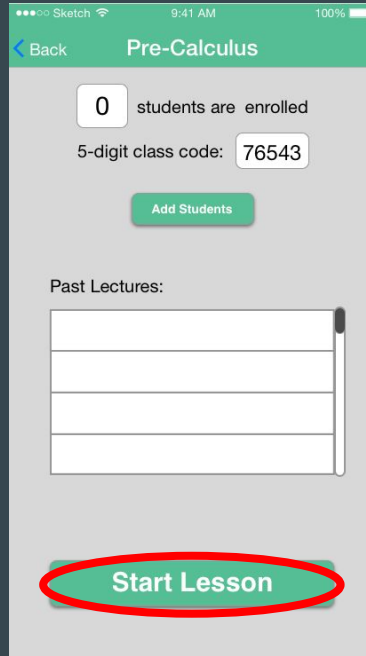
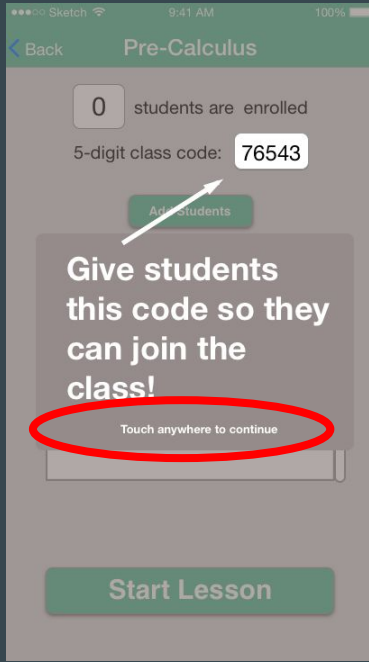
Task 2 Storyboard



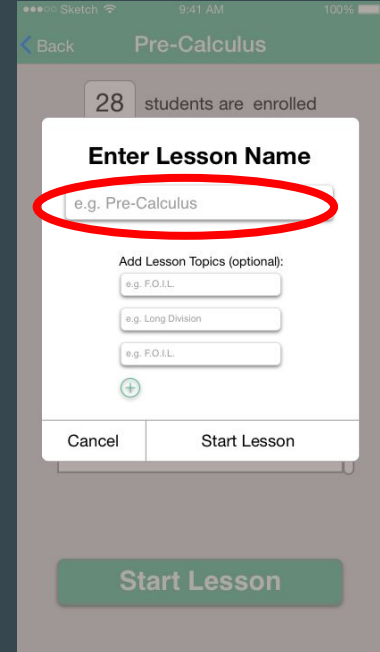
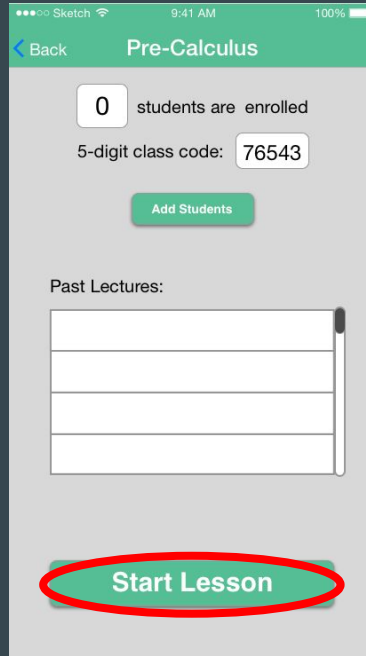
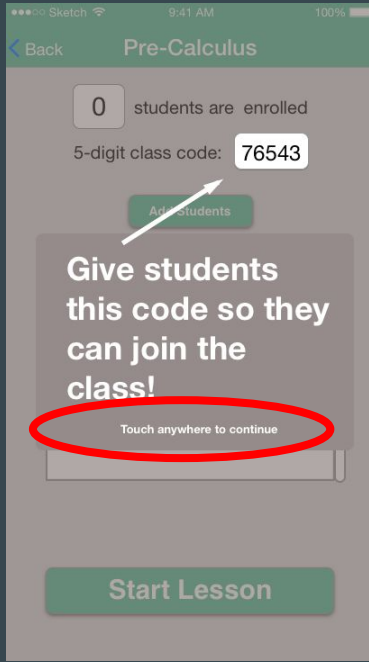
Task 2 Storyboard



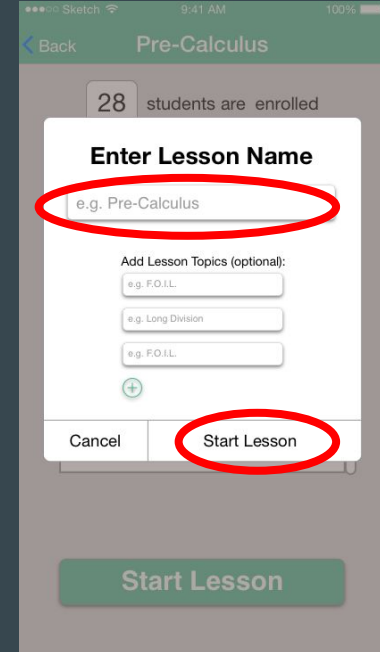
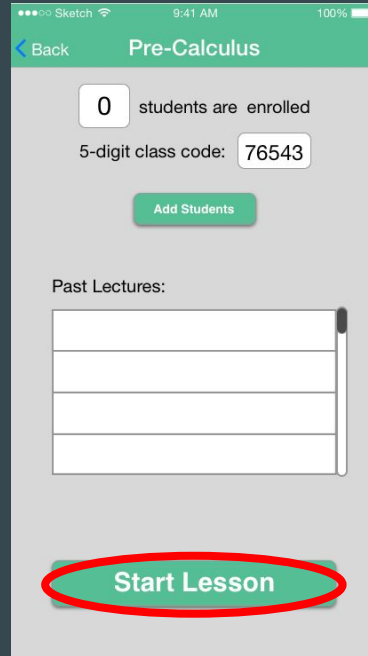
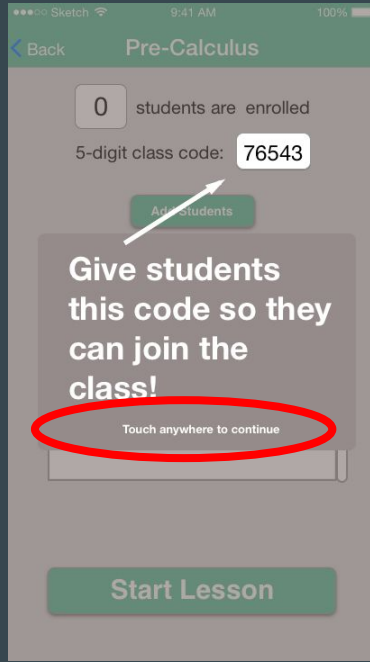
Task 2 Storyboard



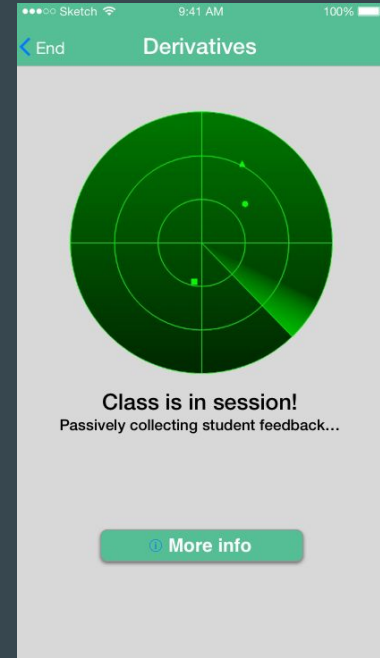
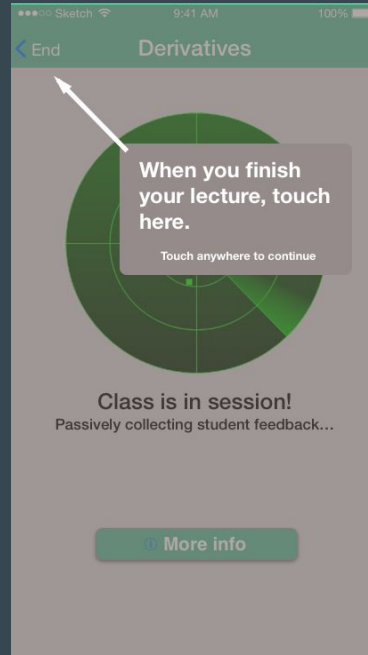
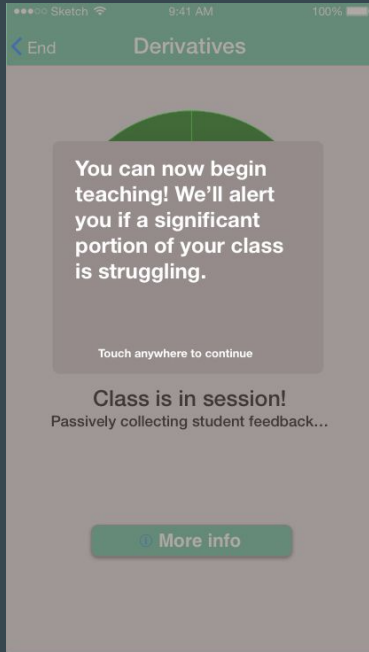
Task 2 Storyboard



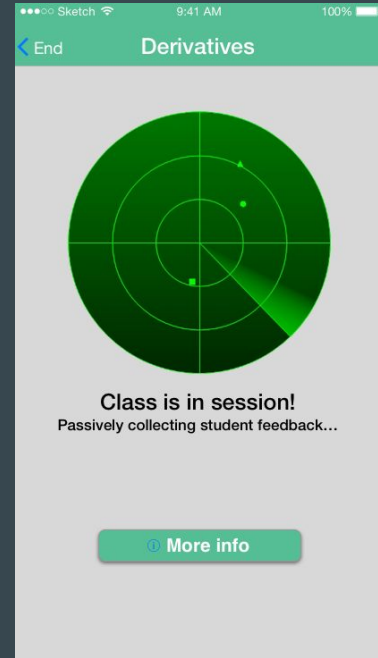
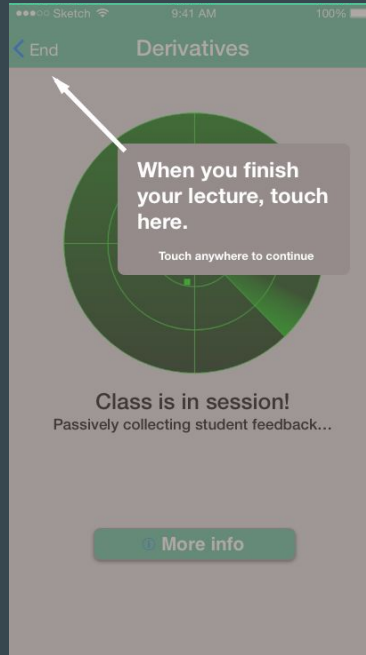
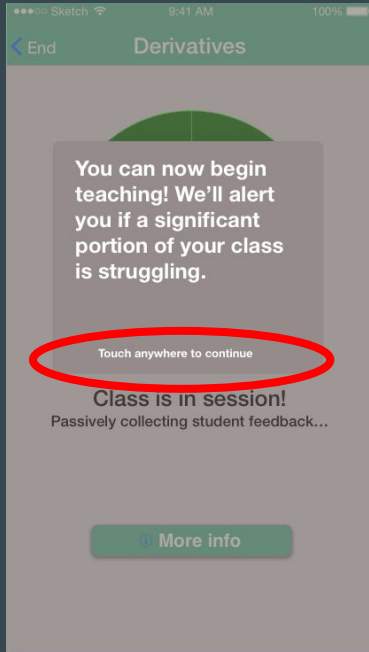
Task 2 Storyboard



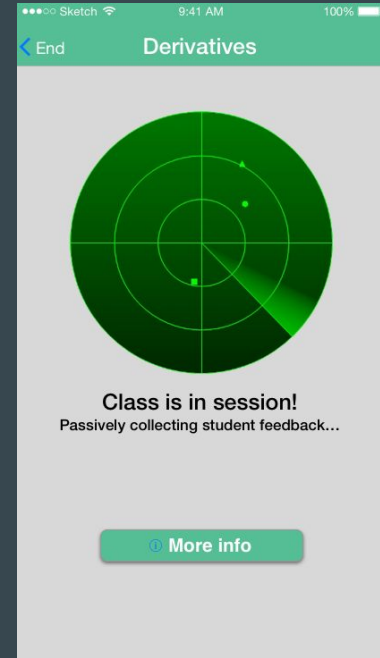
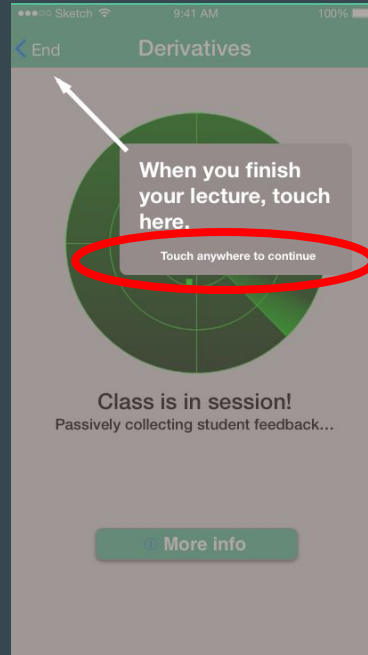
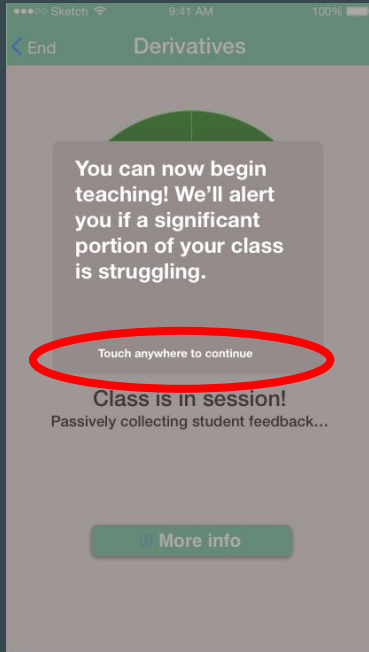
Task 2 Storyboard



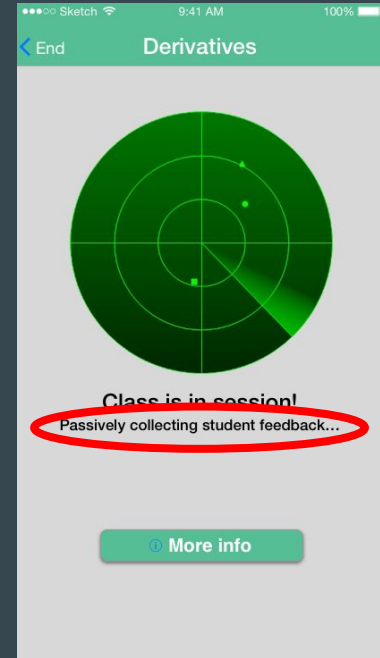
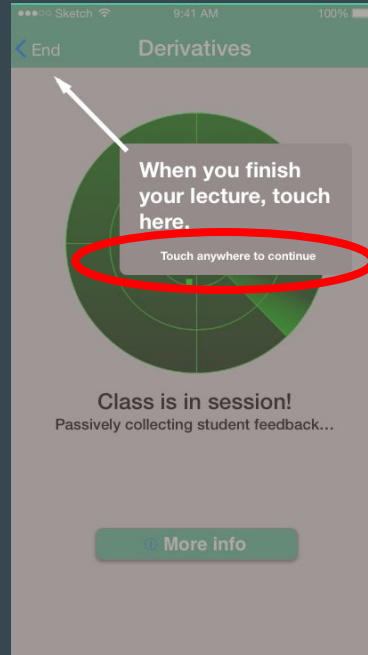
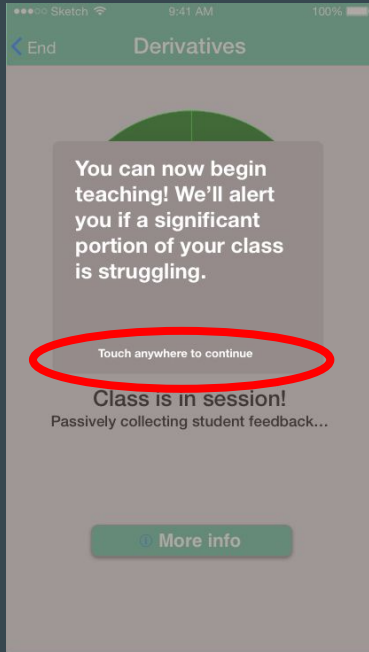
Task 2 Storyboard



Task 2 Storyboard



Task 2 Storyboard



Task 2 Storyboard

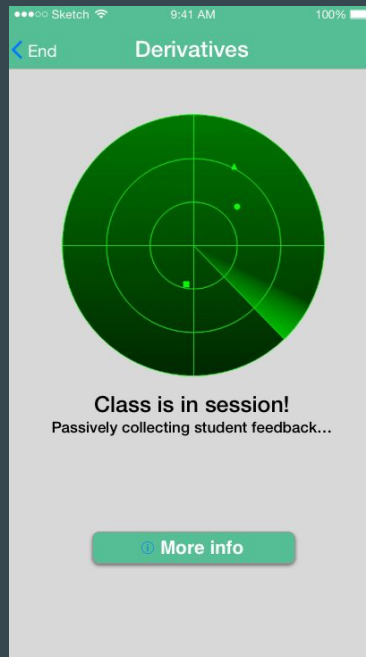
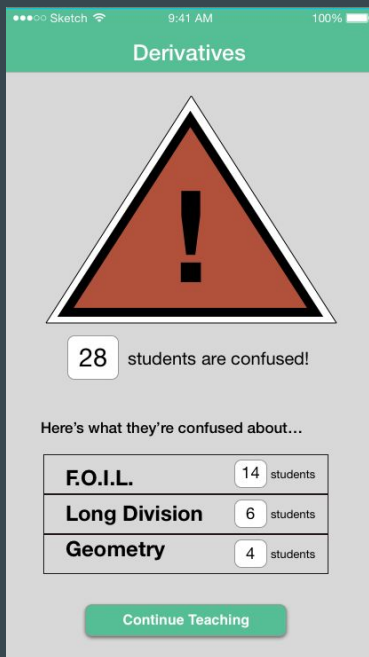
Wizard of Oz technique!

Task 2 Storyboard

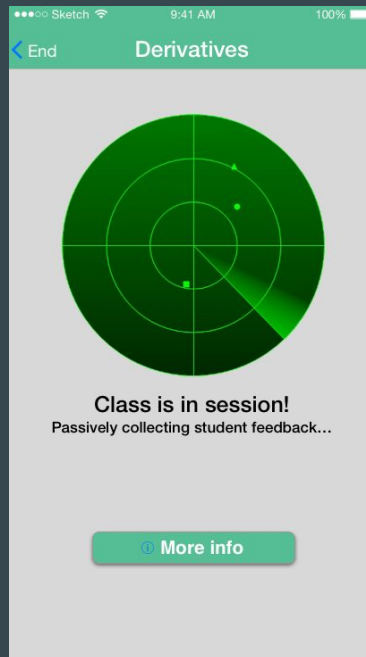
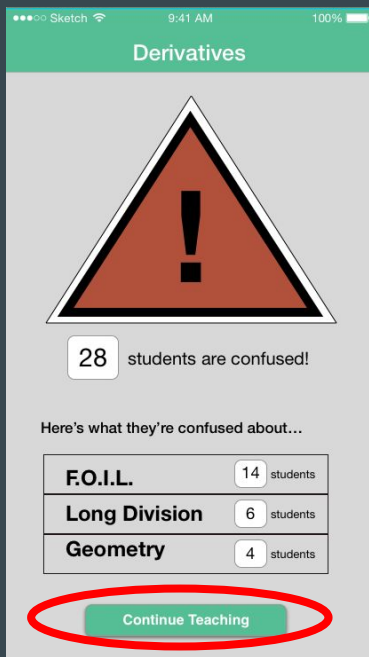
Wizard of Oz technique!

After 5 seconds, a timer prompts Marvel to transition to the
“Threshold Exceeded - 28 students confused” screen

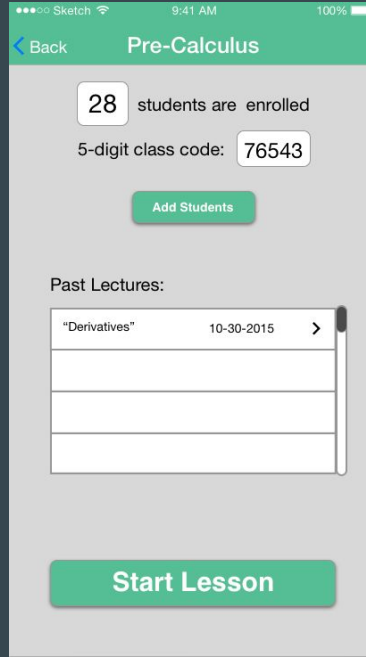
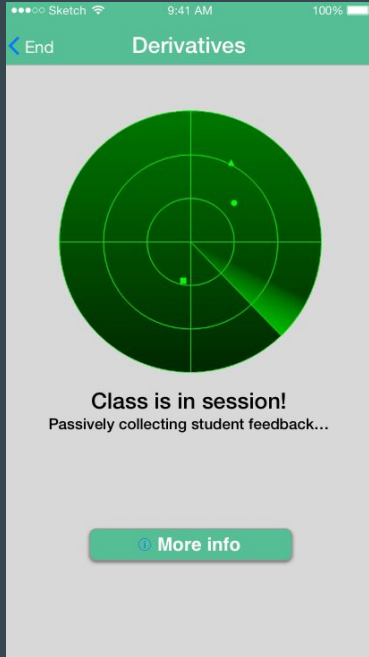
Task 2 Storyboard



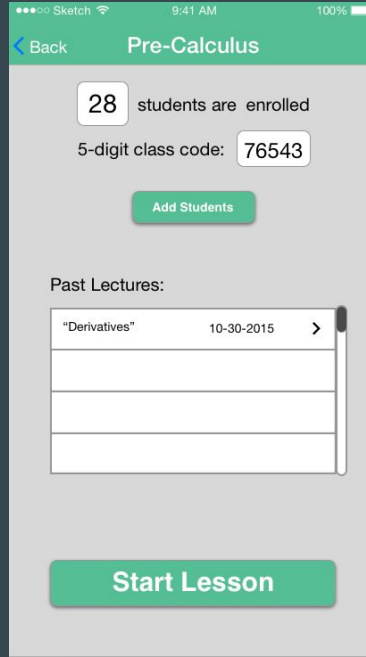
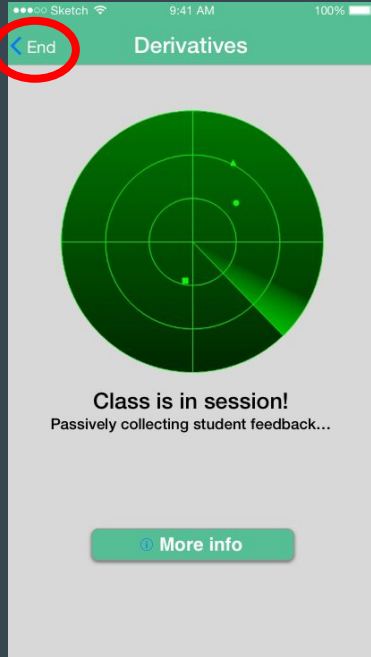
Task 2 Storyboard



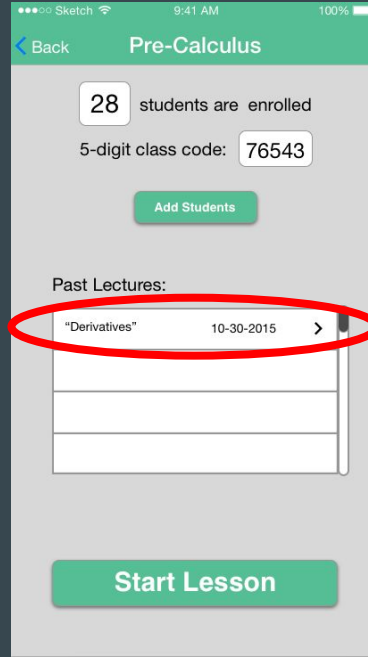
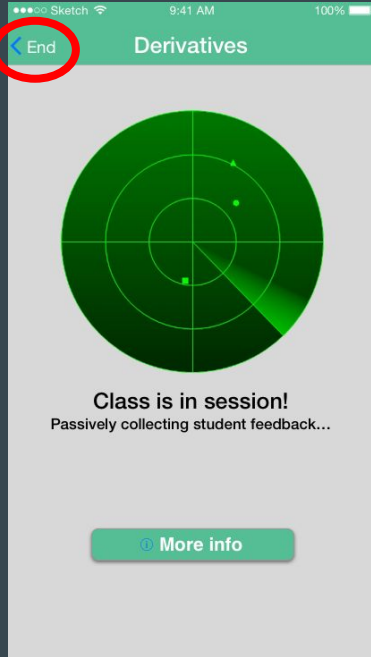
Task 3 Storyboard



Task 3 Storyboard



Task 3 Storyboard



Task 3 Storyboard

Sketch 9:41 AM 100%

< Back Derivatives

Most Confusing Topics:

FOIL	14	students
Long Division	6	students
Geometry	4	students

Your Students:

Cathy	>
Gordon	>
Krister	>
Michael	>
Jake	>
James	>



Sketch 9:41 AM 100%

< Back Gordon

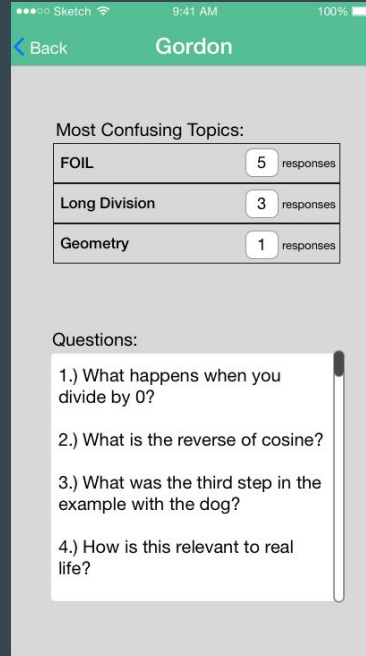
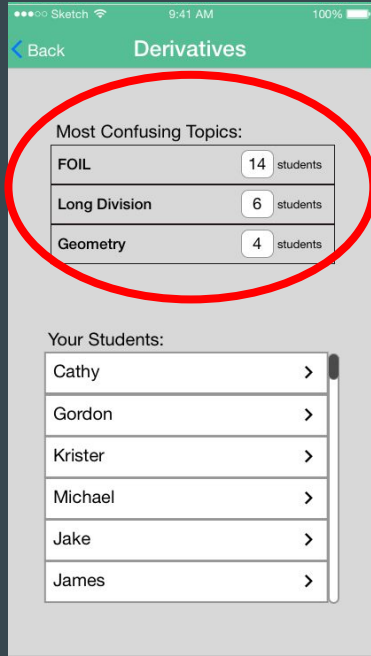
Most Confusing Topics:

FOIL	5	responses
Long Division	3	responses
Geometry	1	responses

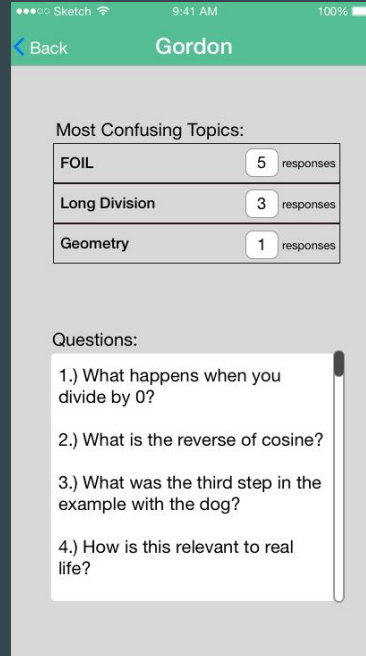
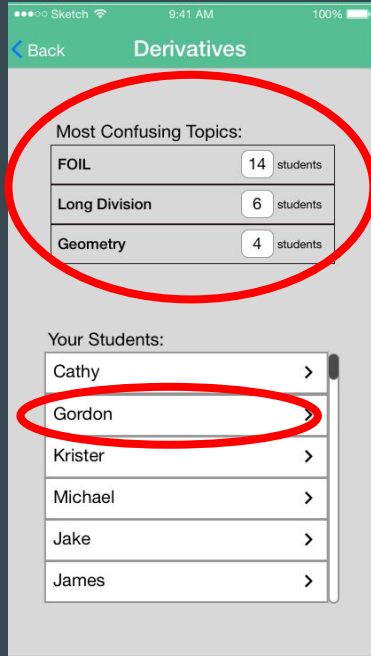
Questions:

- 1.) What happens when you divide by 0?
- 2.) What is the reverse of cosine?
- 3.) What was the third step in the example with the dog?
- 4.) How is this relevant to real life?

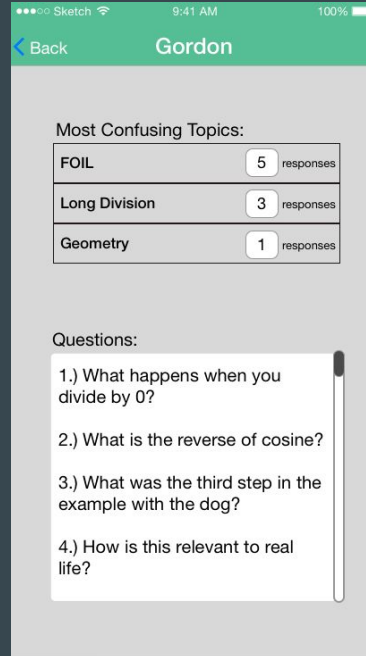
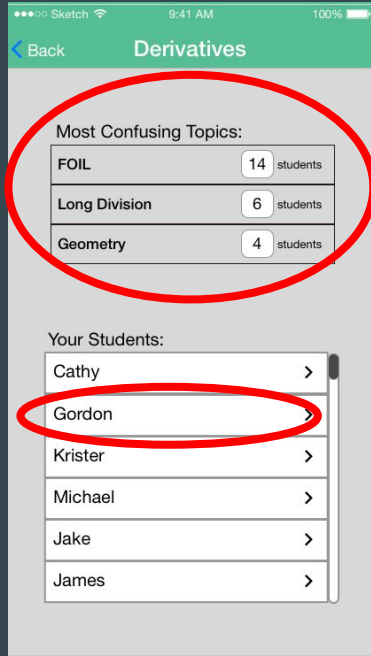
Task 3 Storyboard



Task 3 Storyboard



Task 3 Storyboard



Prototyping Tools



Sketch

Prototyping Tools



Marvel

Prototyping Tools



Sketch

+



Marvel