



HelpList

Team Friendship
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Value Proposition

Anonymous in-class asking, ranking and answering questions for college lectures

Problem?

Big lectures are not engaging and don't allow students to receive help if they don't understand something.

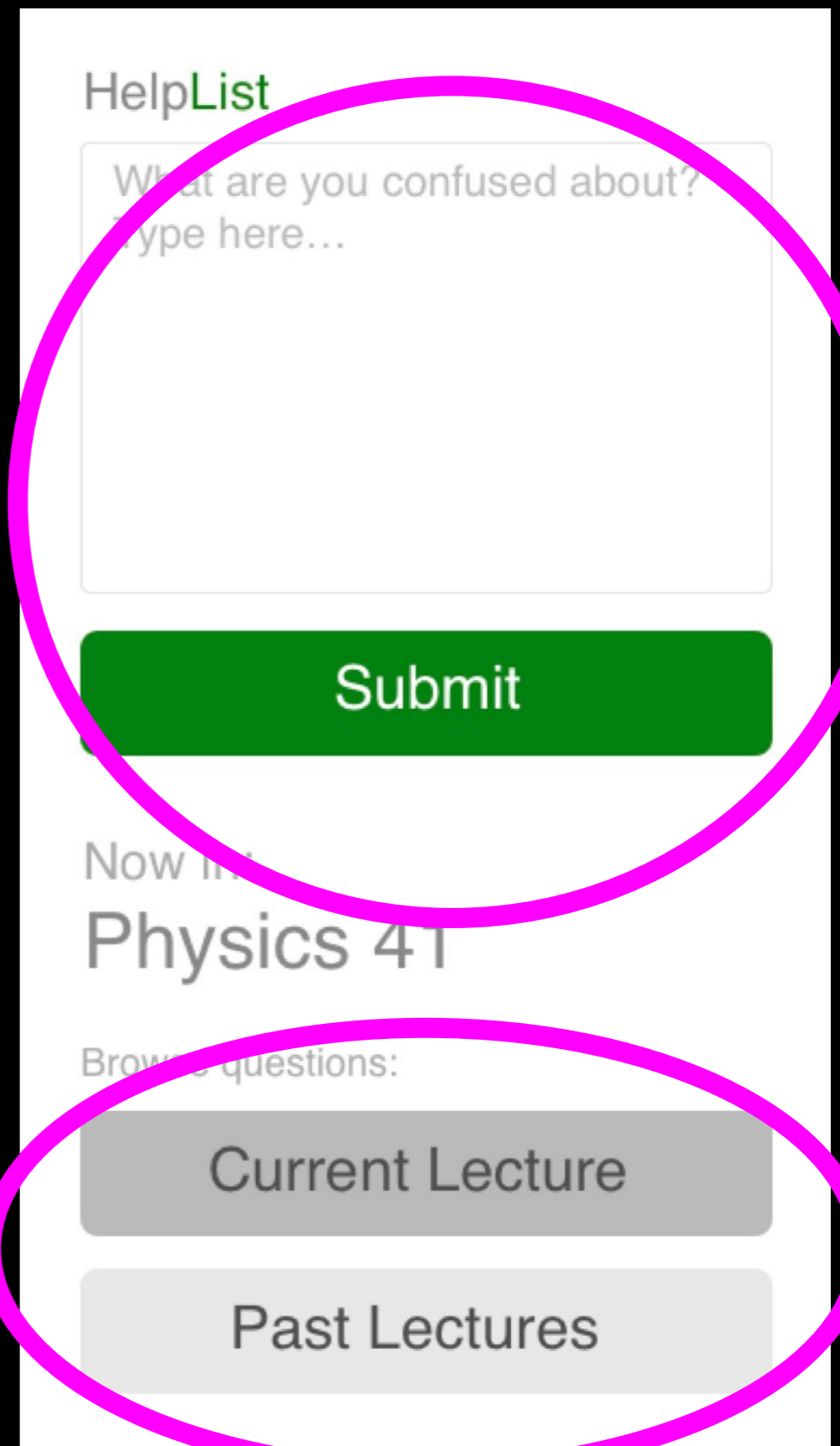
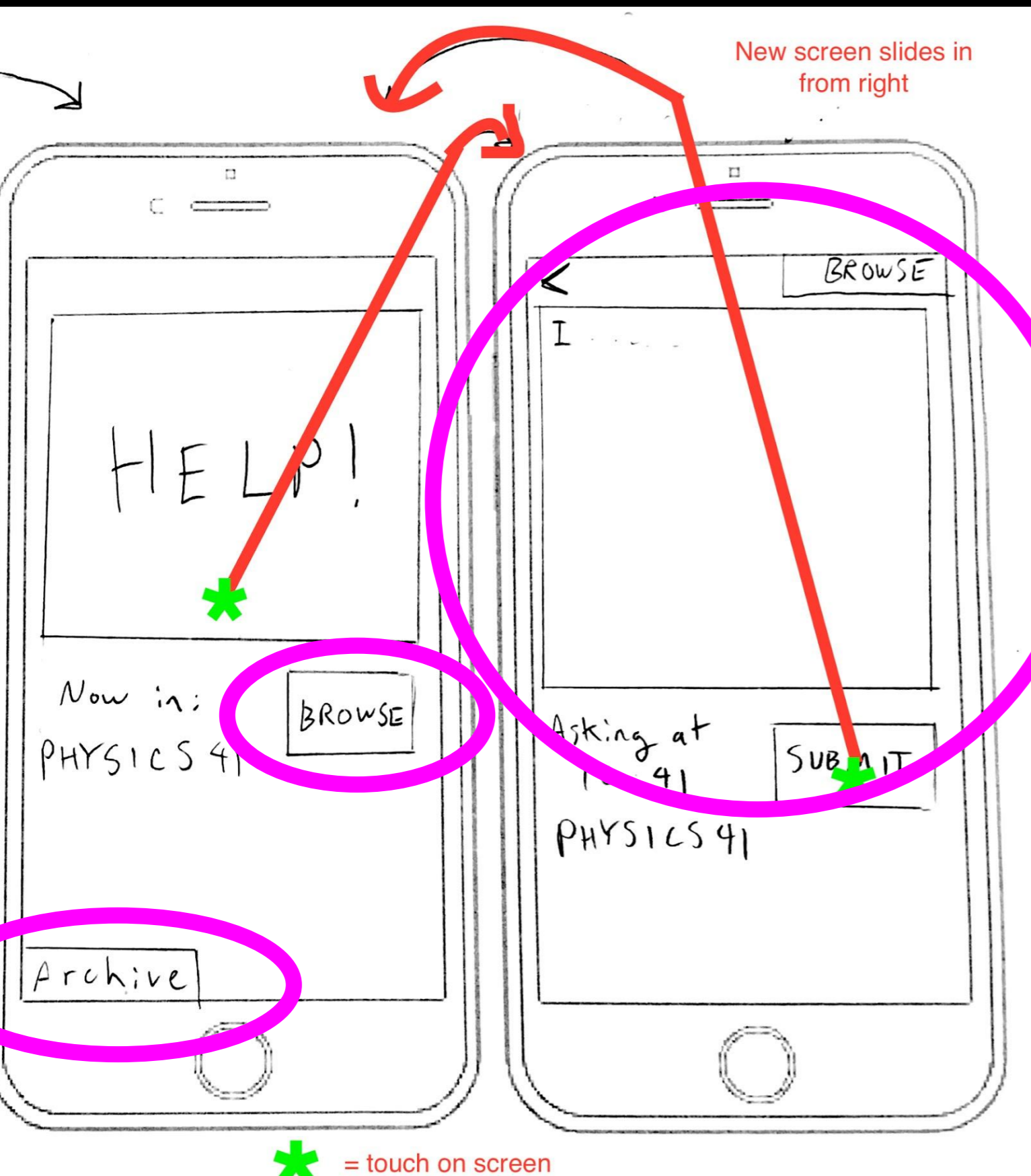
Solution: offer a non-intrusive way to ask/answer questions to clear up questions/reinforce concepts.

Tasks

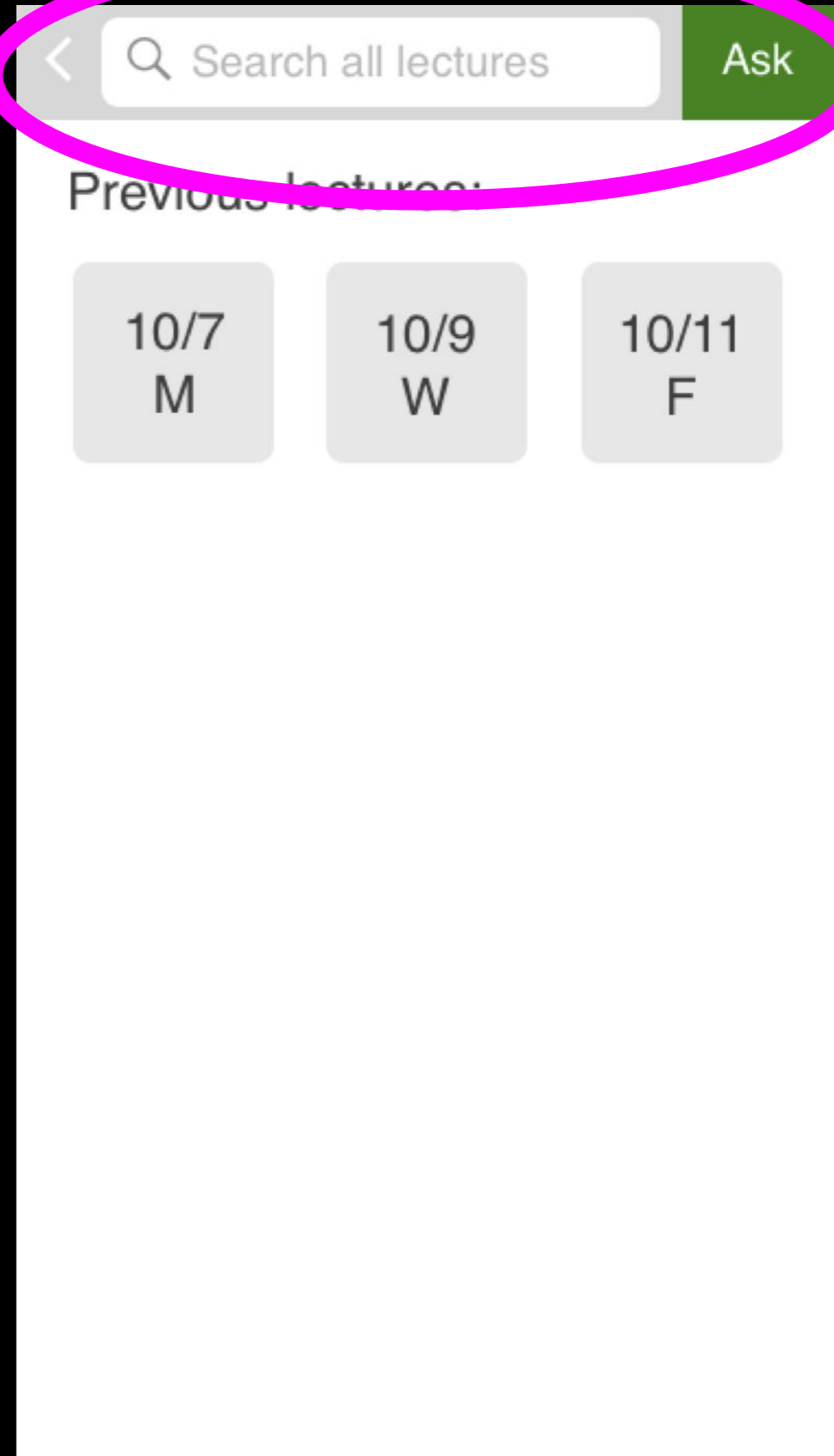
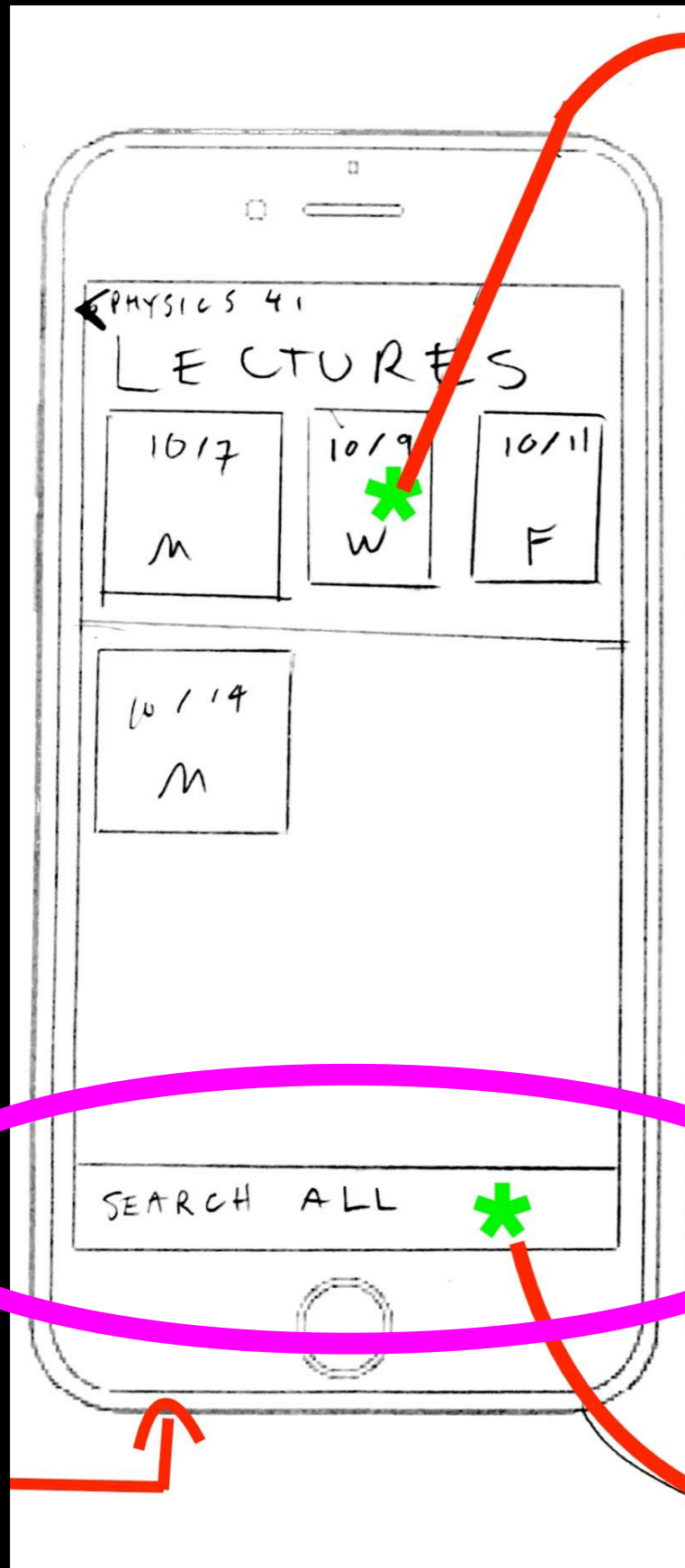
- Same tasks
- Simple: Ask a question
- Medium: Answer a question
- Complex: Find a previously asked question

UI Changes


UI Changes



UI Changes



Storyboards


 = tap (one at a time)

Simple task: ask a question

HelpList

HelpList

What are you confused about?
Type here...



Submit

Now in:
Physics 41


Browse questions:

Current Lecture

Past Lectures

HelpList

F = ma?

Submit 

Now in:

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

Medium task: answer a question

HelpList

What are you confused about?
Type here...

Submit

Now in:
Physics 41

Browse questions:

- Current Lecture
- Past Lectures

Search	Ask	Search	Ask	Search	Ask	Search	Ask
200 want to know	Toilet paper over/under?	200 want to know	Toilet paper over/under?	200 want to know	Toilet paper over/under?	200 want to know	Toilet paper over/under?
100 want to know	How to talk good?	Write answer	Definitely under.	Write answer	Definitely under.	Write answer	Definitely under.
50 want to know	How many legs do an adult spider have?	50 found this helpful	Dr. Landay said over.	50 found this helpful	Dr. Landay said over.	50 found this helpful	Dr. Landay said over.
5 want to know	Why do birds fly?	5 found this helpful	Check the book p. 24	5 found this helpful	Check the book p. 24	5 found this helpful	Check the book p. 24
		50 found this helpful	Dr. Landay said over.	50 found this helpful	Dr. Landay said over.	0 found this helpful	Definitely under.
		5 found this helpful	Check the book p. 24	5 found this helpful	Check the book p. 24		

Annotations: Red 'X' marks with arrows pointing to the 'Toilet paper over/under?' question, the 'Write answer' button, the 'Submit' button, and the 'Current Lecture' filter. A blue arrow labeled 'slideout' points to the 'Submit' button.

Complex task: find a question from a previous lecture

The image shows a sequence of three screenshots from a mobile application, illustrating a complex task: finding a question from a previous lecture. Red 'X' marks and arrows highlight the navigation path.

Screenshot 1 (Left): The 'HelpList' screen. It features a text input field with the placeholder 'What are you confused about? Type here...' and a green 'Submit' button. Below the input field, it says 'Now in: Physics 41'. At the bottom, there are two buttons: 'Current Lecture' and 'Past Lectures'. A red 'X' is placed over the 'Past Lectures' button, with an arrow pointing to the right.

Screenshot 2 (Middle): The 'Previous lectures:' screen. It has a search bar with the text 'Search all lectures' and an 'Ask' button. Below the search bar, there are three buttons representing dates: '10/7 M', '10/9 W', and '10/11 F'. A red 'X' is placed over the '10/7 M' button, with an arrow pointing to the right.

Screenshot 3 (Right): The search results screen. It has a search bar with the text 'Search' and an 'Ask' button. Below the search bar, there are three question cards. The first card has a large number '152' with an upward arrow and the text 'Does she like me?'. The second card has a large number '20' with an upward arrow and the text 'Why is Dr. Landay so handsome?'. The third card has a large number '6' with an upward arrow and the text 'F=ma?'. A red arrow points from the '10/7 M' button in the previous screenshot to the 'F=ma?' question card.

Prototyping tools

- Used Sketch for creating
 - Comes with UI kit
 - Simple interface
 - Very intuitive
 - Auto-align
 - Limited
- Used Marvel for animating
 - Very easy to use
 - Effective at creating flows
 - Limited -- made a lot of hard-coded work



Limitations of Prototype

- Search not implemented
- Typing of questions not implemented → hard-coded questions
- No scrolling → limited repertoire of questions
- Only question implemented fully, with answers and the means to provide an answer

“Wizard of Oz” techniques

- Smart "current lecture" and sign-in

Now in:

Physics 41

- No typing capabilities

Hard-coded features

- Input text
- Number of votes
- Existing questions
 - With answers
- Past lectures
- Current lecture

Additional Screenshots/Notable UI Changes

200
want to
know

Toilet paper over/
under?



201
want to
know

Toilet paper over/
under?



HelpList

What are you confused about?
Type here...

Submit

Now in:

Physics 41

Browse questions:

Current Lecture

Past Lectures

< HelpList

What are you confused about?
Type here...

Submit

Past lecture:

Physics 41 10/7/15

HelpList

What are you confused about?
Type here...

Submit

HelpList

Submitted!

What are you confused about?
Type here...

Submit

50
 found this helpful
 Dr. Landay said over.

5
 found this helpful
 Check the book p. 24

0
 found this helpful
 Definitely under.

< Search Ask

200
 want to know
 Toilet paper over/under?

Write answer

50
 found this helpful
 Dr. Landay said over.

5
 found this helpful
 Check the book p. 24

< Search Ask

200
 want to know
 Toilet paper over/under?

^

Definitely under.

Submit

50
 found this helpful
 Dr. Landay said over.

5
 found this helpful
 Check the book p. 24