POV & EXPERIENCE PROTOTYPES

SLOANE, TINA, MARIE & KARNA

CROWDPOWER
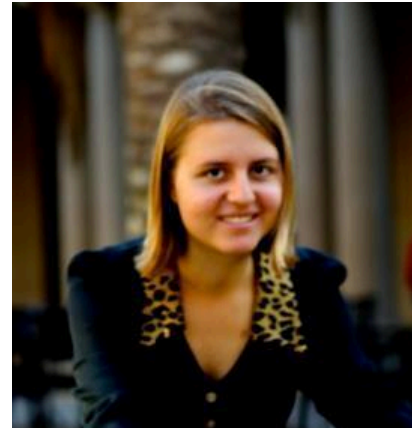
DREAM TEAM

Sloane

Marie

Tina

Karna

CROWD POWER

CROWD POWER

CROWD POWER

CROWD POWER

LEVERAGE CROWDPOWER TO IMPROVE LECTURE QUALITY

INITIAL POV

We met

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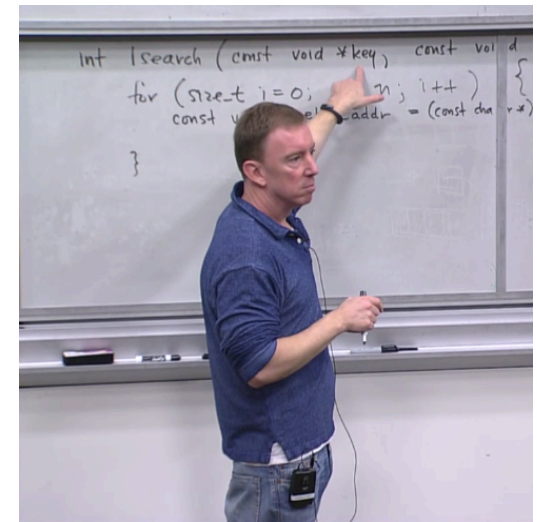**It would be game changing to**

INITIAL POV

We met Jerry …

We were amazed to realize that students don't ask questions when they don't understand …

It would be game changing to empower students to ask questions!

MORE NEEDFINDING: TOM

- **Former football player**

- **Athletes learned plays via rote memorization and drills**

- **Coach didn't ask for questions during blackboard sessions**

- **Consequences if you forgot the play!!**

MORE NEEDFINDING: CAITLIN

- **2nd grade teacher**

- **Pre- and post-assessments**

- **Cold calling on students**

- **Kids *not* afraid of asking for help**

FINAL POV I

We met Jerry.

We were amazed to realize that students don't ask questions when they don't understand.
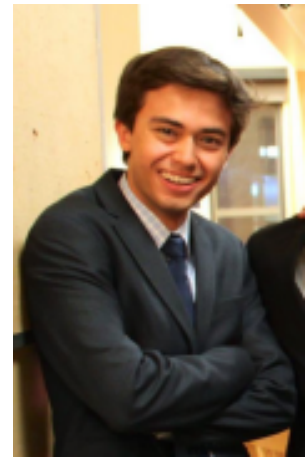
It would be game changing to empower students to ask questions.

How might we

make it so that students don't have to ask their questions in front of the entire class**?**

FINAL POV II

**We met Robert
who needs to moderate the Q+A session
at large talks …**

**because Q+A makes the event even
more engaging.**

**It would be game changing to enable
him to find the best questions for the
talk's audience.**

How might we

ensure that diverse groups of people with diverse topics get to ask questions?

FINAL POV III

We met Felix.

We were amazed to realize that they don't want to be engaged in lecture.

It would be game-changing to make them want to participate in large settings the same way they participate in small groups.

How might we

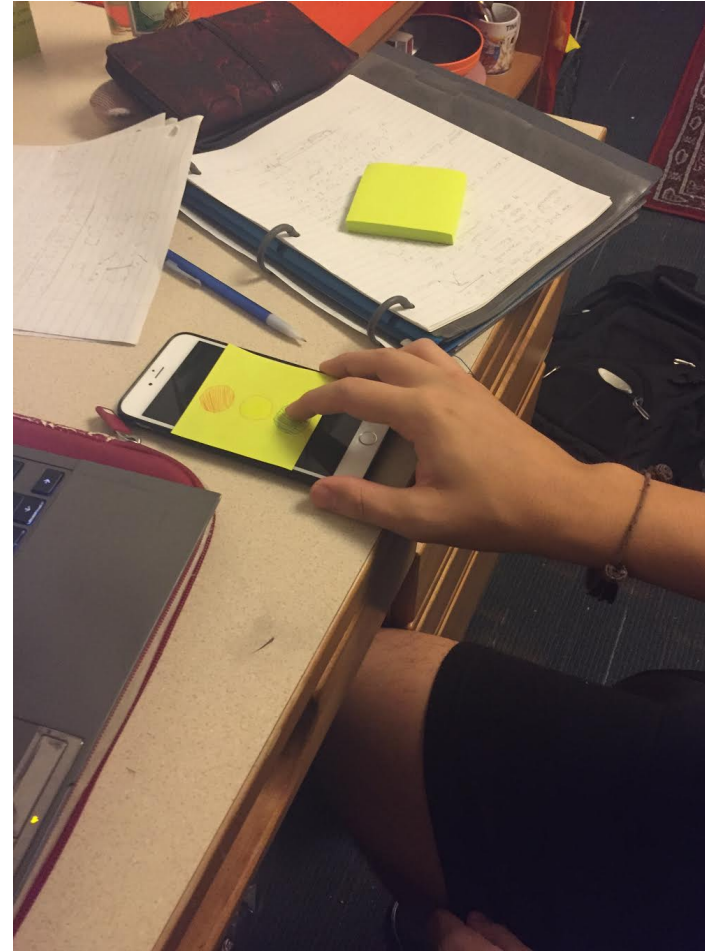**foster inter-student dialogue during a lecture so that students help themselves and have a friend?**
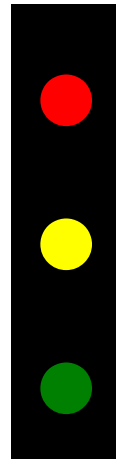
CLASS STOPLIGHT

Simple app to communicate to lecturer:
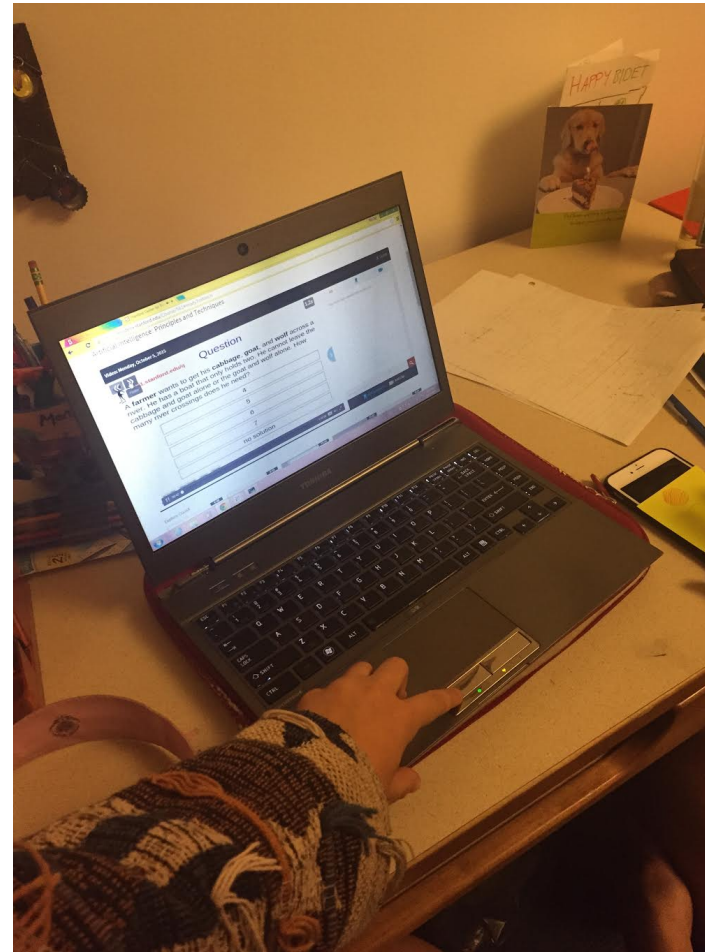
Slow down

Just right

Speed up

CLASS STOPLIGHT

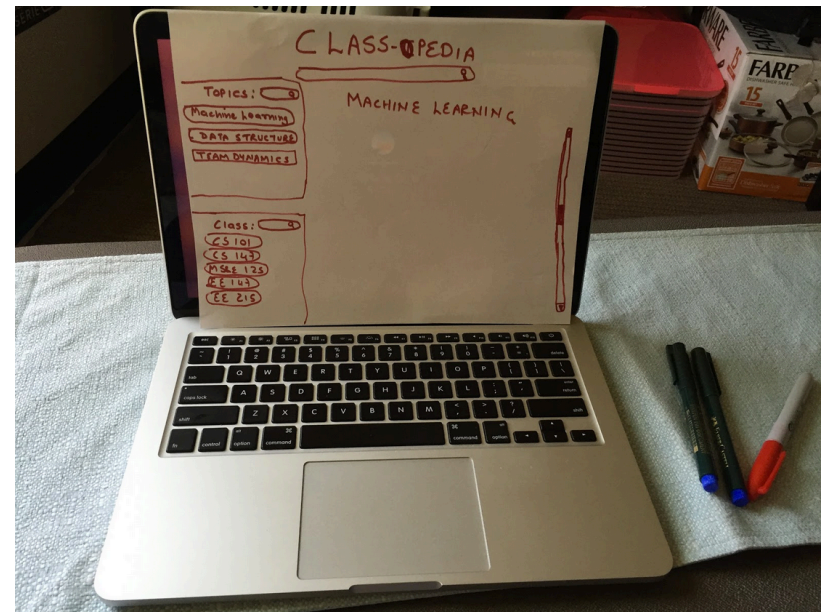**Too much fine-grained control**

Distracting?

Is yellow useful?

SHAREABLE NOTES

Class-wide notes compiled by TAs and students

Link to textbooks, slides, further reading

SHAREABLE NOTES

Very distracting

More helpful for after lecture than during
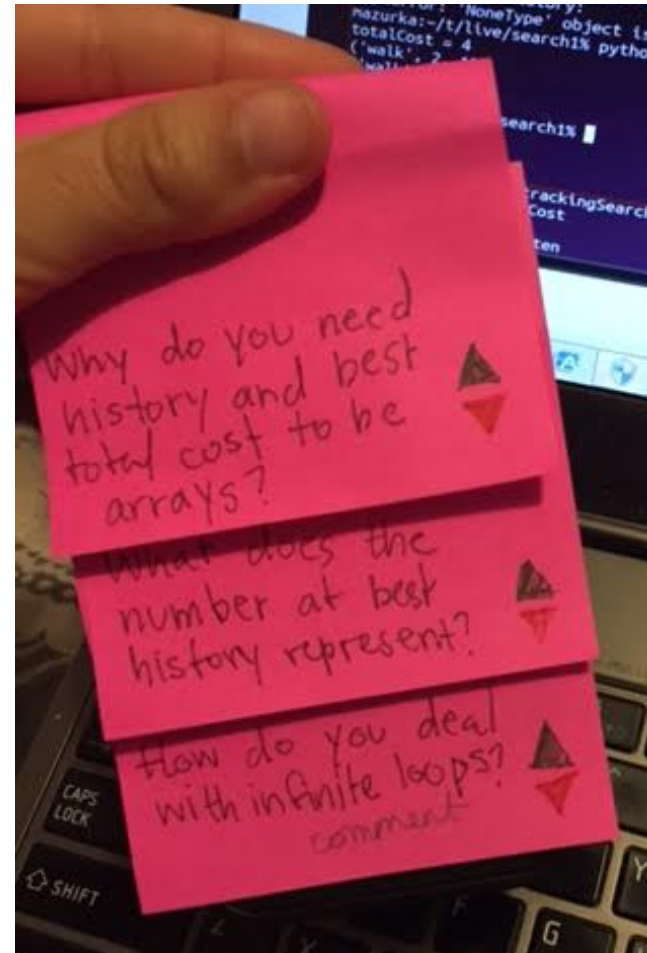
Useful: simple definitions of terms as reminder

QUESTION MODERATOR APP

Submit + vote on questions via app

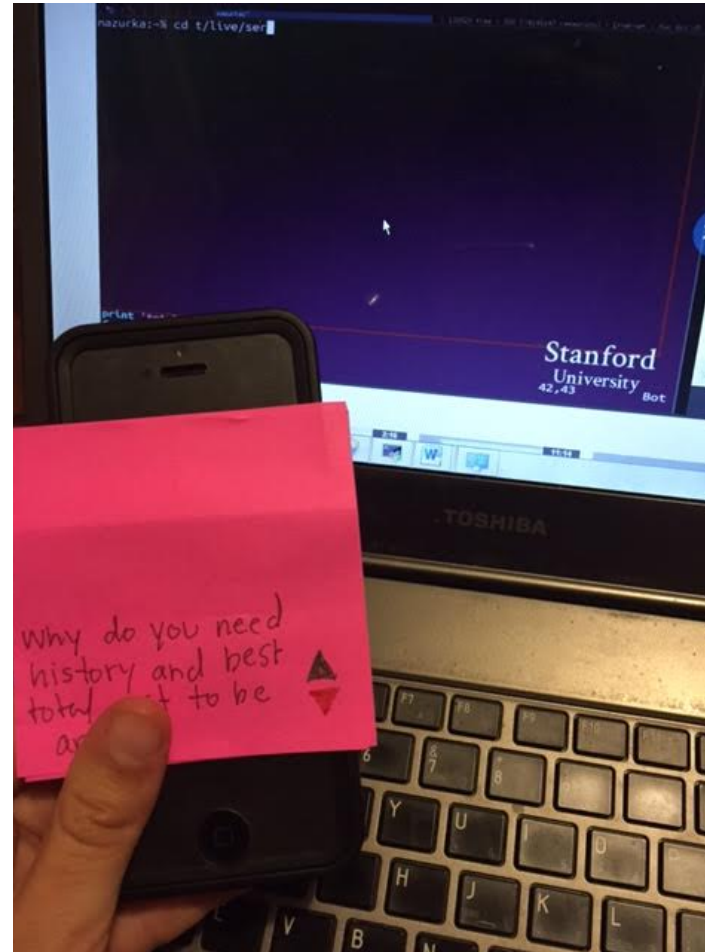**Lecturer takes top questions**

Very simple interface

QUESTION MODERATOR APP

Adding question is distracting

Only answer popular questions is helpful

Eliminate questions & move to topic-based system

TAKEAWAYS

Short 'n sweet interactions = key

Focus on improving engagement

Must see positive impact to students

Keep iterating, brainstorming!