



# Class Scribe

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# PROBLEMS

- Taking notes is complicated
- Current methods are detrimental
- This is worth caring about

# REQUIREMENTS

- Offload cost away from student
- Uncompromised pencil/paper note taking
- Added functionality from cloud and specialized hardware
- Invisible

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# TECHNOLOGIES

- Django
- React

# DEMO: Admin Tools

Hello hpw3nr@virginia.edu
COURSES
NOTEBOOKS
LOGOUT

Semester

Building

Room

Spring 2020
Zoom
101

Lamp Serial Number

000000007b9ceb71

	Mo.	Tu.	We.	Th.	Fr.
07:00					
07:15					
07:30					
07:45					
08:00					
08:15					
08:30					
08:45					
09:00	9:00 - 10:00	9:00 - 10:00	9:00 - 10:00	9:00 - 10:00	9:00 - 10:00
09:15	Demo Course	Demo Course 2	Demo Course	Demo Course 2	Demo Course
09:30	abc1de@virginia.edu	abc1de@virginia.edu	abc1de@virginia.edu	abc1de@virginia.edu	abc1de@virginia.edu
09:45					
10:00					
10:15					
10:30	10:30 - 11:30	10:30 - 11:30		10:30 - 11:30	
10:45	Demo Course 3	Demo Course 3		Demo Course 3	
11:00	fgh2ij@virginia.edu	fgh2ij@virginia.edu		fgh2ij@virginia.edu	
11:15					
11:30					
11:45					
12:00					
12:15					
12:30					
12:45					
13:00					
13:15	13:15 - 14:15				
13:30	CustomerMeeting				
13:45	rahat@virginia.edu				
14:00					
14:15					

# DEMO #1

Placeholder for Lamp  
notetaking video

# DEMO #1

Student browsing notes



# DIFFICULTIES AND SOLUTIONS

- Lecture/note syncing

# DIFFICULTIES AND SOLUTIONS

- Registering hundreds of Lamps

# DIFFICULTIES AND SOLUTIONS

- Detecting a new page

# LIVE DEMO

- End-to-end ownership of experience
- Unique level of integration
- Collaborative network

Optical character recognition for handwriting

Lecture audio transcription

Sending scans to professors

Privacy settings for your notebooks

Over-the-air Lamp software updates

RFID scanning for student IDs

Page-to-audio syncing

Audio-to-page syncing

Perspective/alignment corrective document scanning

JPG notes exporting

Spatially filtered (beamforming) audio capturing

Notebook sharing and saving system

Notebook rating system

# THANK YOU

Lamp audio cues as status alerts

Mass-Lamp registration via audio packets

Renaming/deleting notebooks

Split into new page functionality

SDAC-Ready labelling

Edge-detecting and color correcting document scanning

Page fingerprinting tech

Exporting lecture audio files

Full page history throughout time

Auto-link of course/notebook/student