

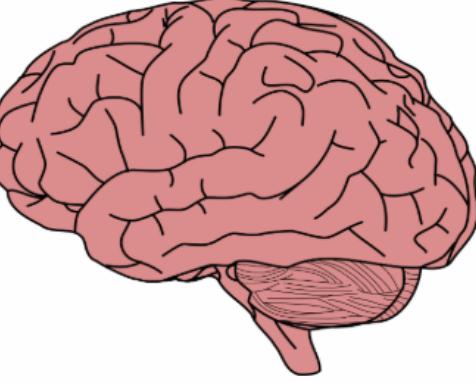
snack

instantly create and share
bite-sized educational videos



We're making whiteboard videos

Snack Select Course ▾



this is a
WHITEBOARD
video

0:23 1:06

▶ x1 []

the product



Vector-based video



the product



In the last 30 days



10
active creators

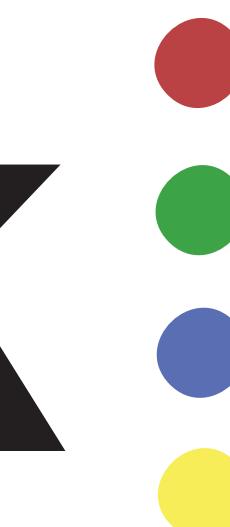
65
videos created



In the last 30 days

1.6k

weekly active users



25

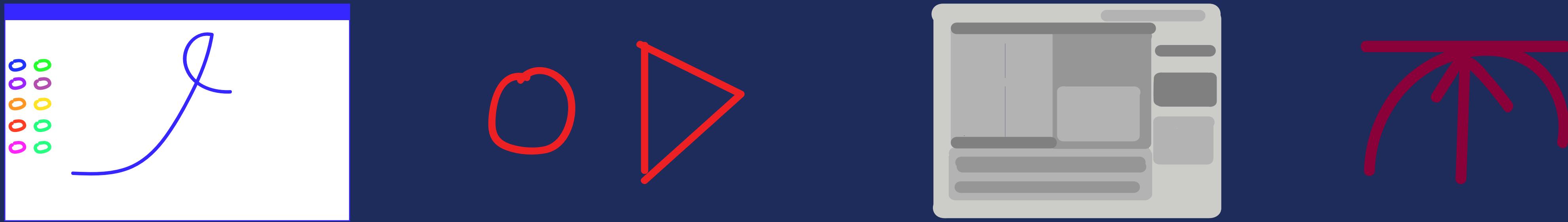
mins playback per
user per week

2000

hours of playback



Creating educational video is painful



drawing

→ screen recording

→

editing

→

hosting

the problem



Creating educational video is painful

The passionate
student tutor



The ‘not-so-tech-savvy’
high-school teacher



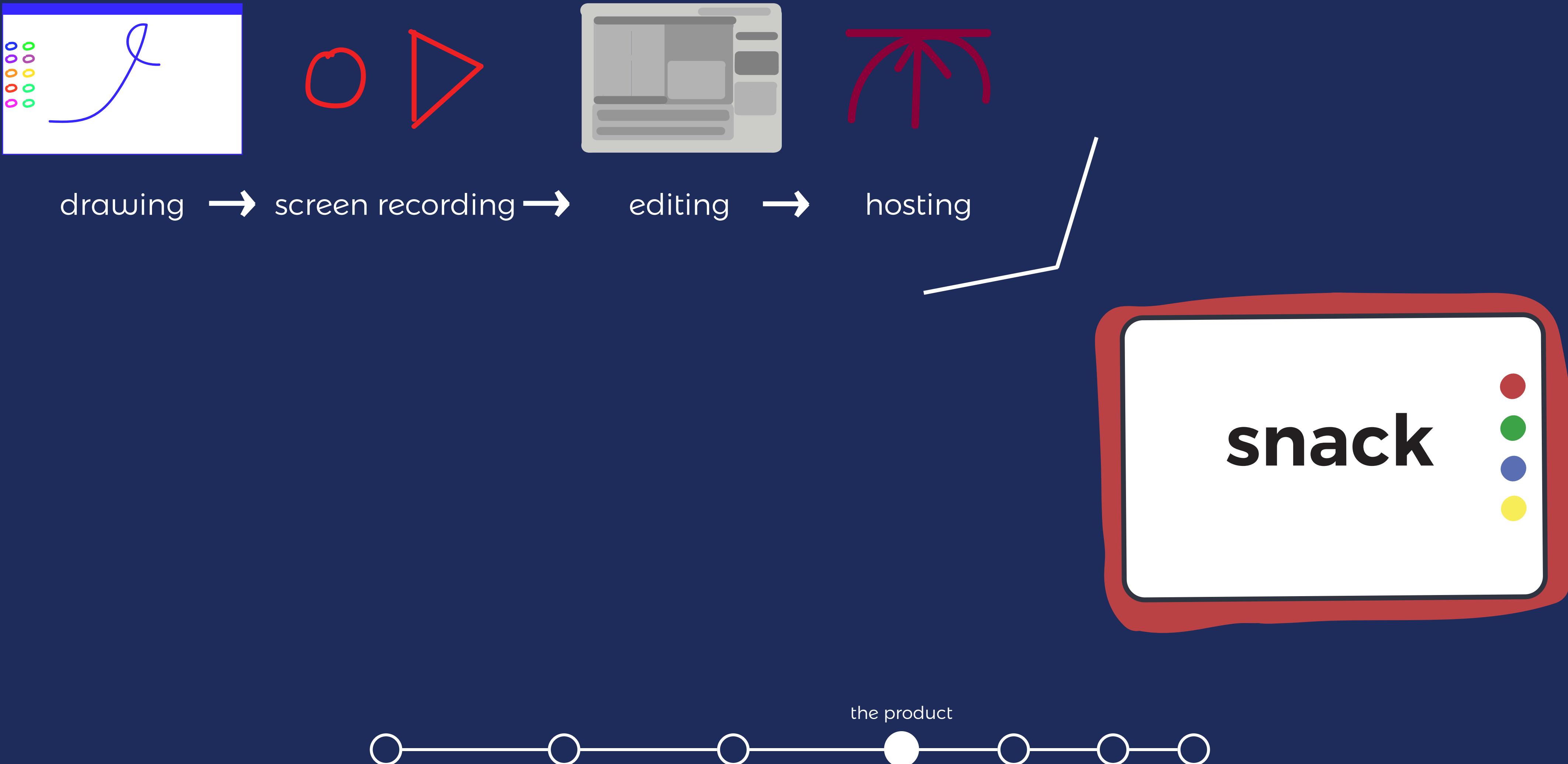
The time-poor
academic



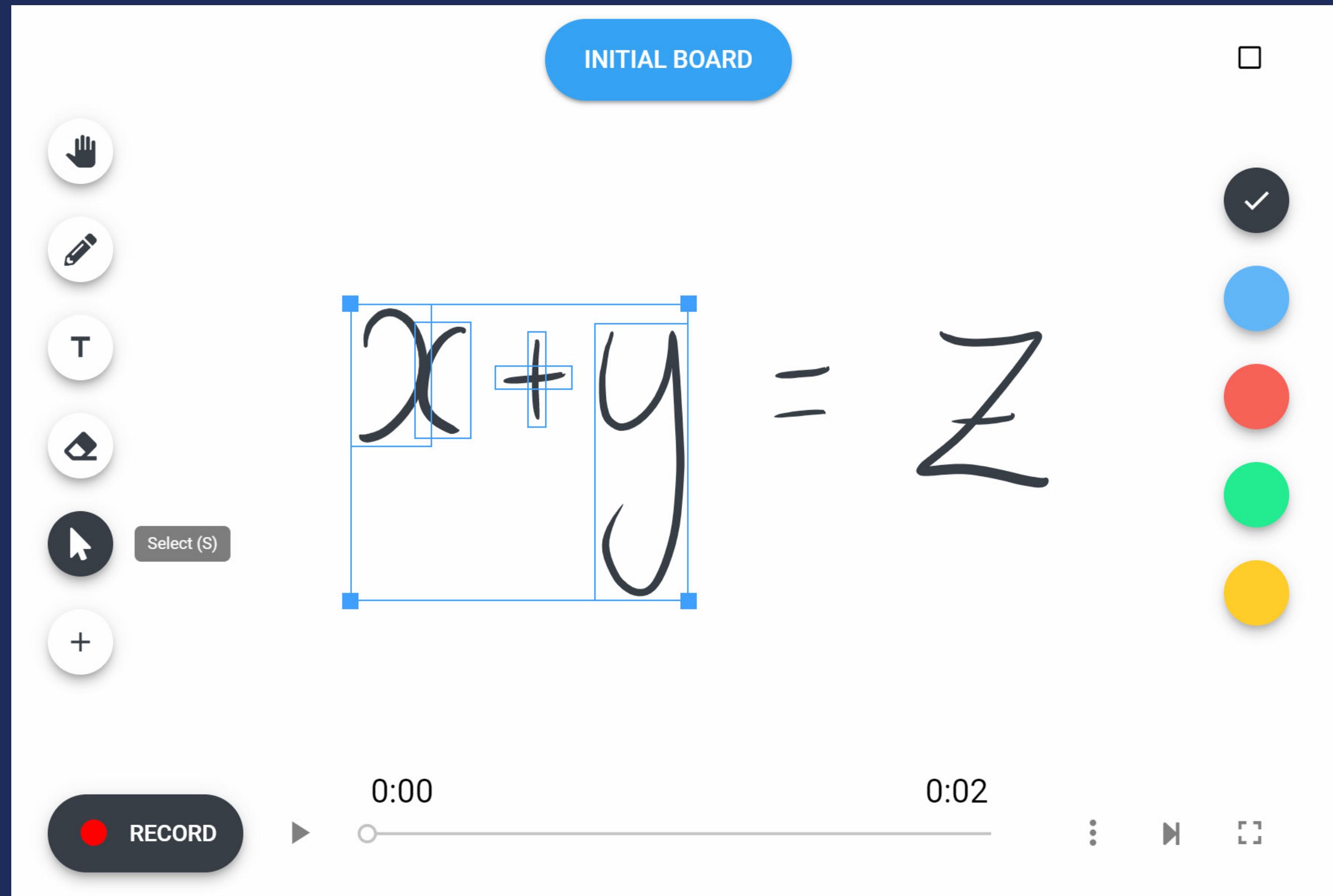
the problem



Creating educational video is painful



snack



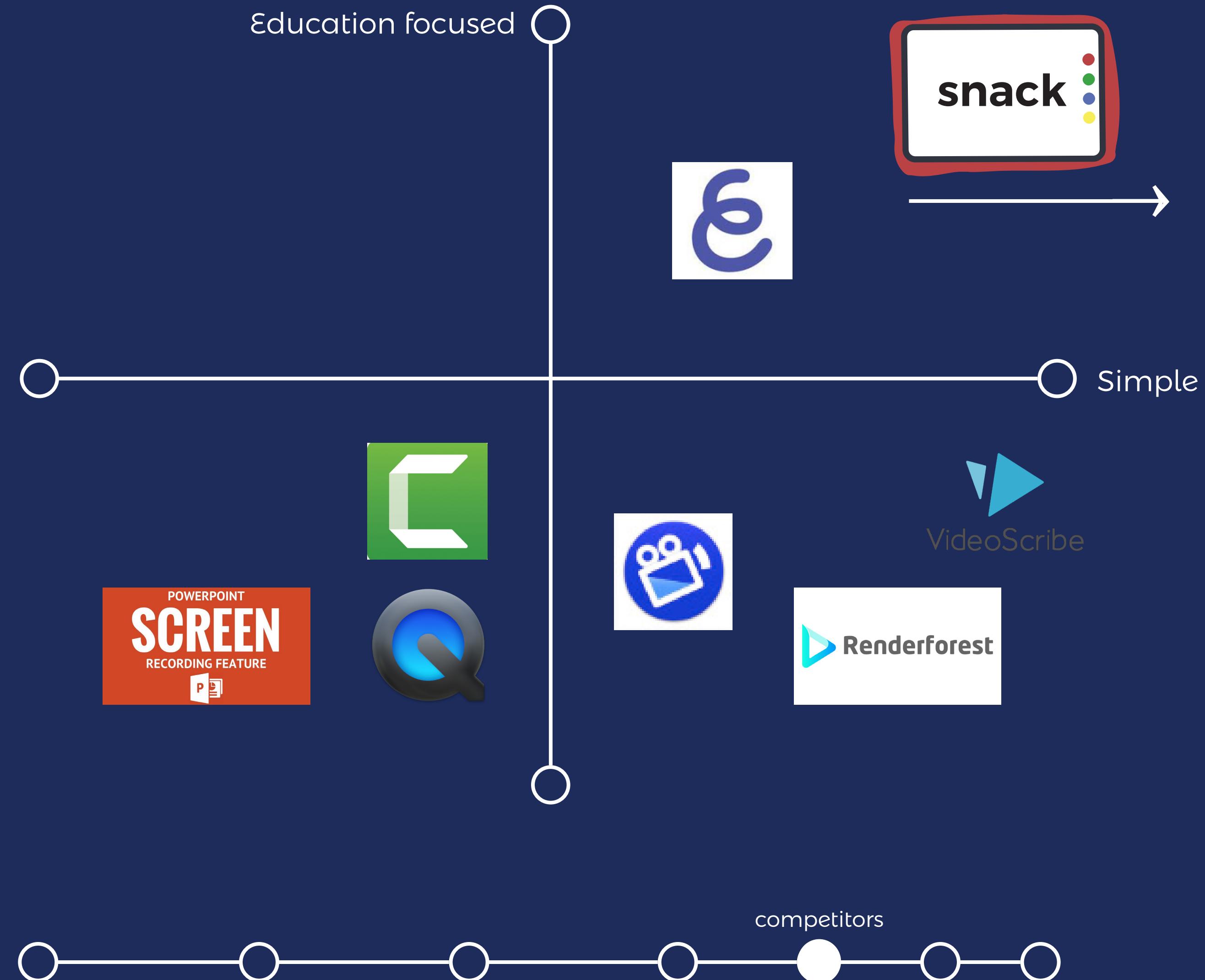
record and watch
whiteboard videos online

5x faster creation

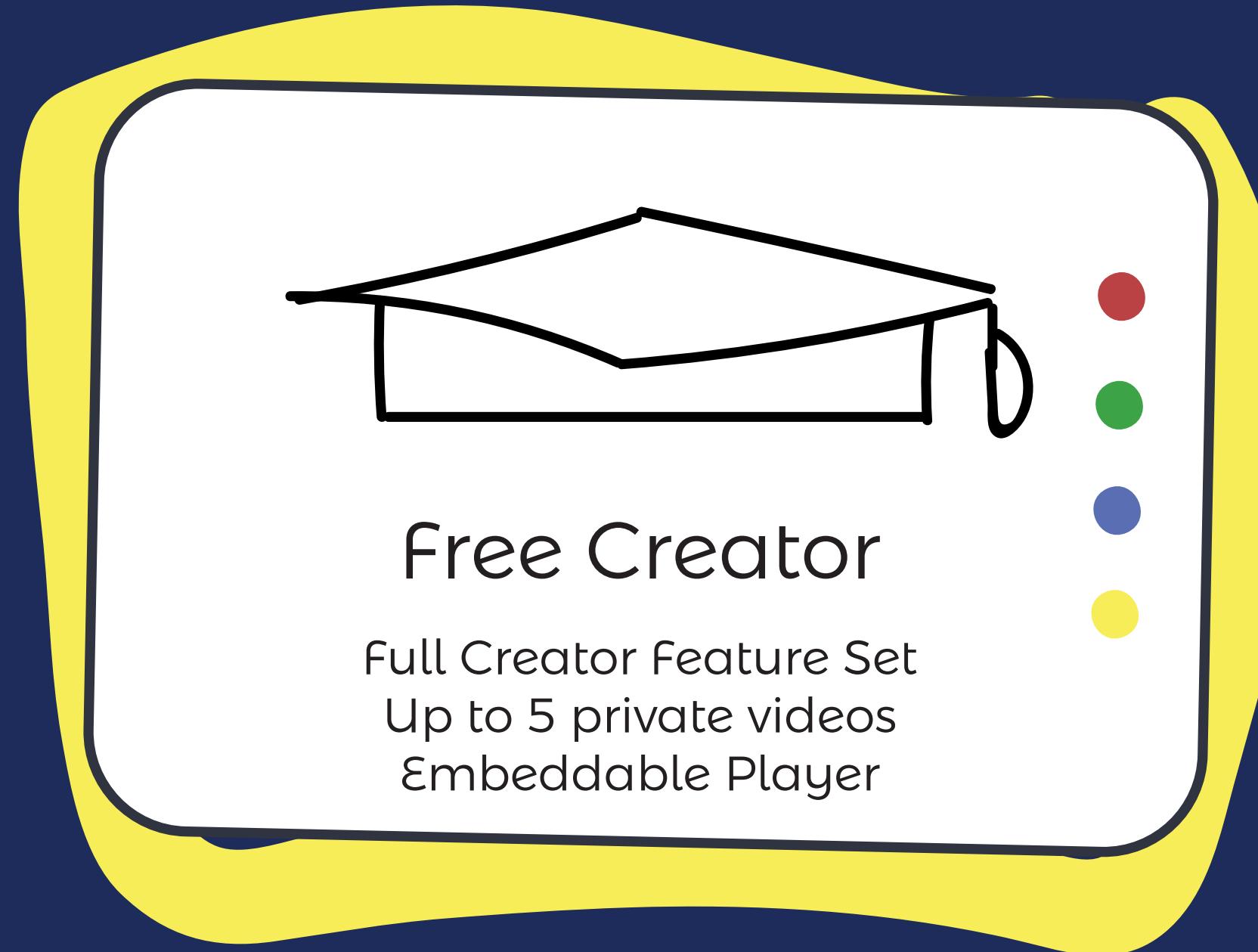
instantly shareable

ultra portable

The competition

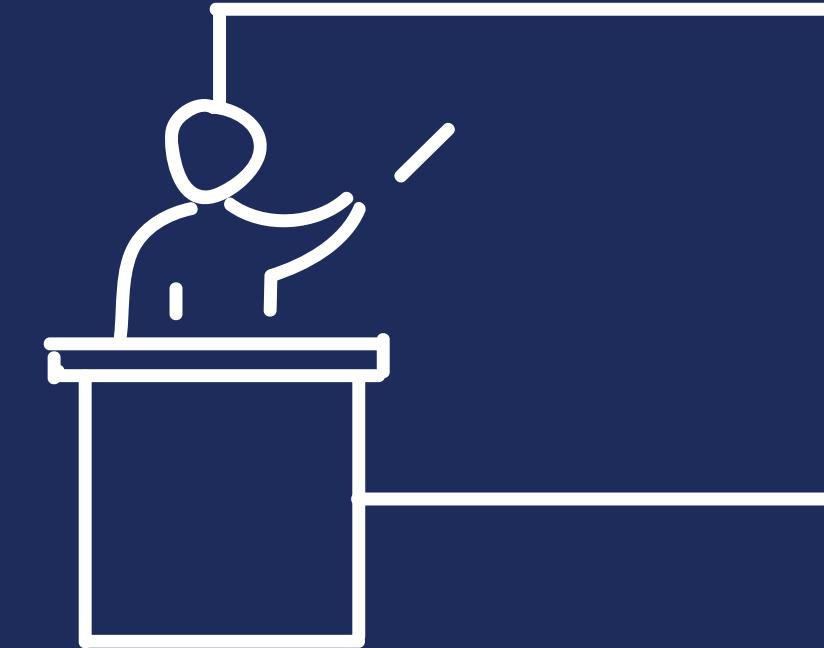


Business model



Free Creator

Full Creator Feature Set
Up to 5 private videos
Embeddable Player



Private Creator

Full Creator Feature Set
Unlimited private videos
Export to mp4



Organisation License

Price by quote
Platform Integration
Scales with number of students



Who isn't a competitor

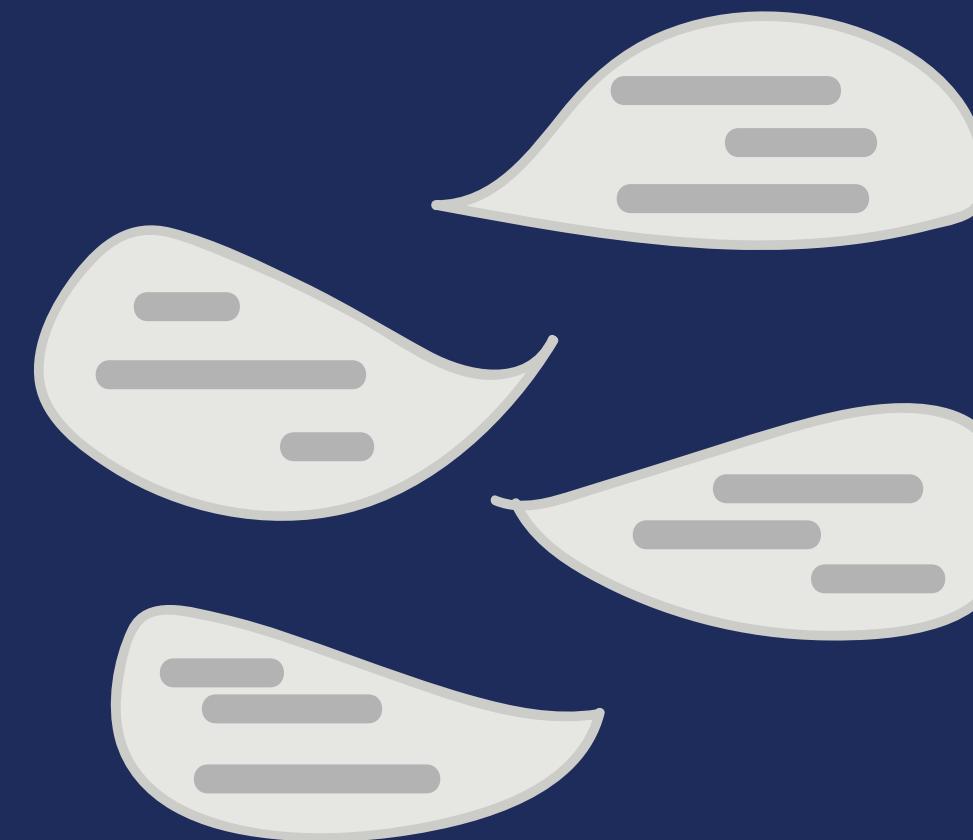


Embeddable, customisable
player

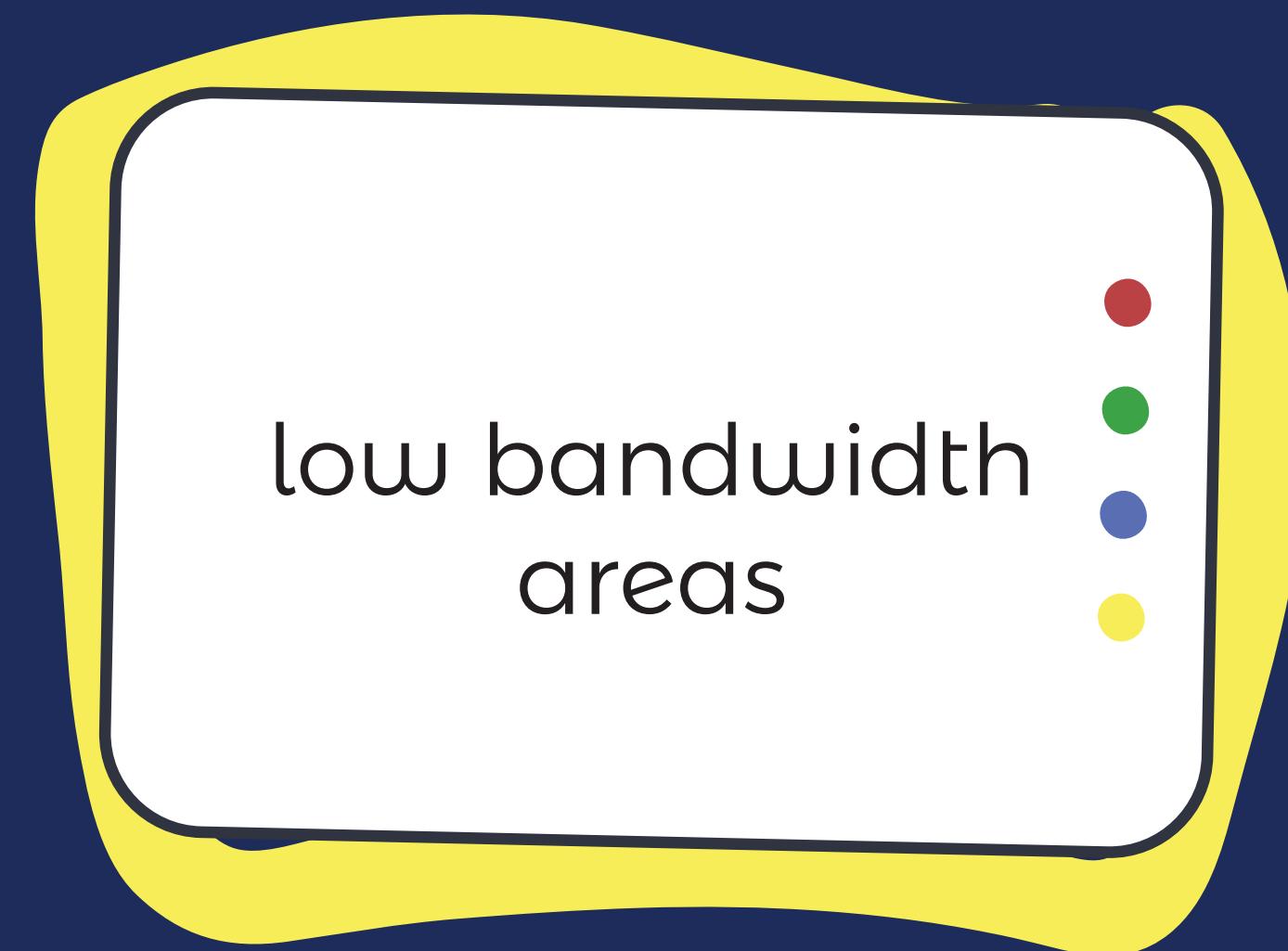
Current providers can use
snack's technology for their
own content



Other use-cases



forums



low bandwidth
areas



internal workplace
communications



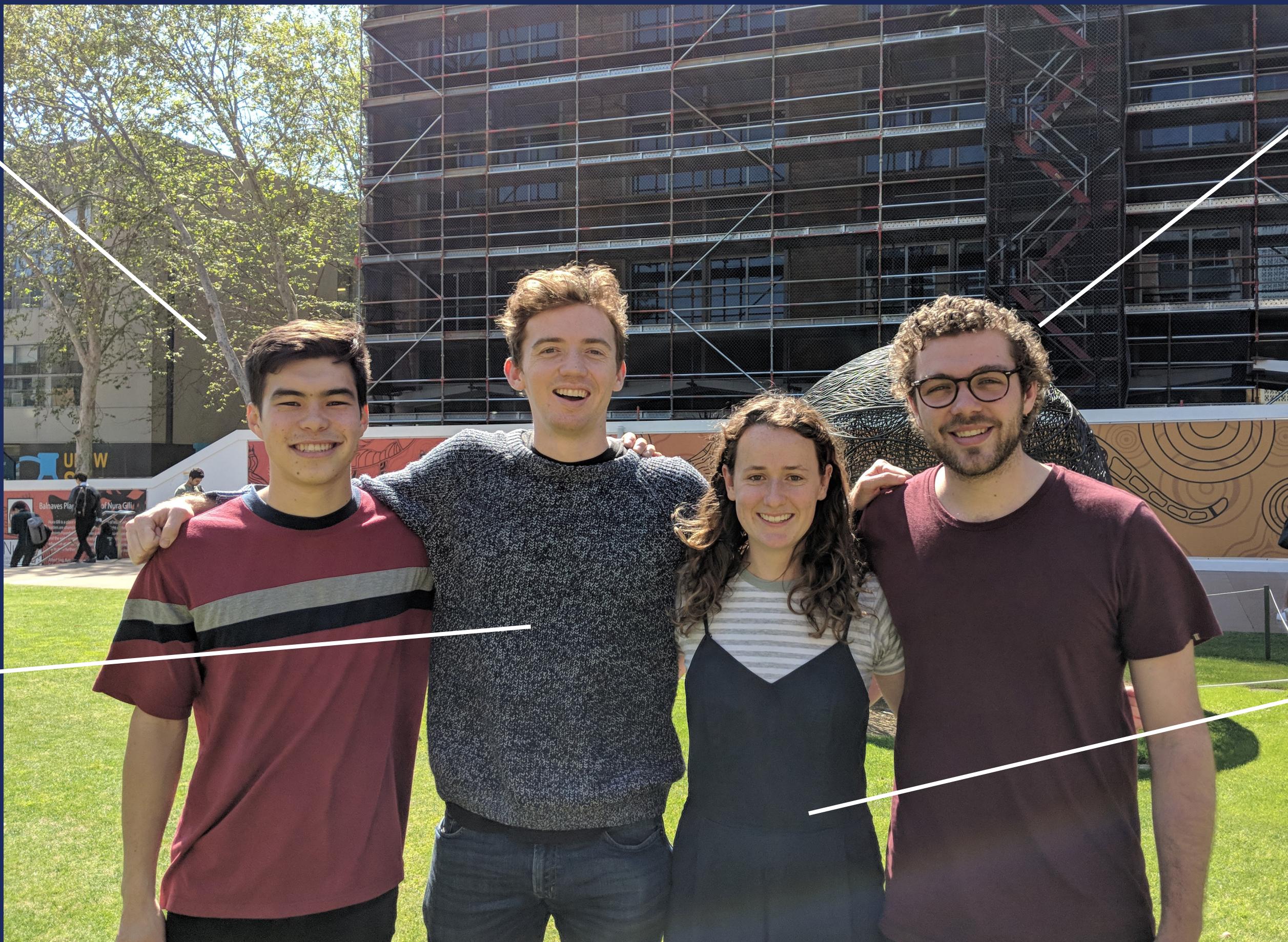
The team

Hugh Chan O

Electrical Engineering Rural Scholar
Cochlear DSP Engineer
Data61 Research Intern
(CSIRO)

Jake Fitzgerald O

B.Eng Mechatronics / B.S Computer Science
Facebook Software Engineer
Ex-AirTree Ventures Intern



O

Hamish Elliot

B.Eng Mechatronics / M Biomed Eng
Saluda Medical Engineer
MayPill Cofounder

O

Clementine Rocks

B. Design (Honours)
unSW Art and Design
Research Assistant
RE Agency Design Intern

the team



Our advisors



Dr. Chris Tisdell

UNSW Professor, Mathematics
Google Scholar
70k YouTube subscribers



Dr. John Shepherd

UNSW Professor, Computer
Science
Head of Learning, CSE



Dr. Julien Epps

EE Deputy Head of School
20 years teaching
UNSW Vice-Chancellor's Award
for Teaching Excellence

the team



Looking forward

Snack

Select Course

CREATE

COMP1521: Computer Systems Fundamentals

- > Week 3 pre-lab 5 vids
- > Week 4 pre-lab 3 vids
- > Week 5 pre-lab 2 vids
- > Week 6 pre-lab 1 vid
- > Week 7 pre-lab 4 vids
- What is Virtual Memory? 7:41
Marlene Baquiran
- Why Use Virtual Memo... 6:52
Marlene Baquiran
- Example: PageTable a... 8:09
Hugh Chan
- Exercise: physicalAddr... 6:49
Jake Fitzgerald
- > Week 8 pre-lab 3 vids

selne v | needs can dump you
capacity and | - limited capabilities
y but not as | but effective
ive

Mgmt | Physical Mem Mgmt
over phys. | - Managing actual
anage | physical addresses
higher | - Extra work to find
it occasioal | phys. addresses
fice | - limited phys. memory
that cant be exceed

We use simpler virtual addresses
which MMU takes care of

Physical Memory
psize1 psizel + psize2
0 psizel-1

Secure: Processes are blind to eachother
Simple: NO need for our progs. to calculate physical offsets
Virtual Mem kicks in when RAM runs out
Illusion of infinite memory/processes (constrained by disk)
Slow to load lower demand pages

Paged:
Page # = VAddr / Psize, offset = VAddr % Psize
Simple & and >> for MMU
Psize = 2^n

4:13 6:52

al memory?

Why Use Virtual Memory: Usage and Advantages
Marlene Baquiran

FEEDBACK EXAMPLE: PAGETABLE AND MEMFRAMES

Creator Goals:

100 creators

10 courses

3 tutoring academies

Explore revenue models

Focus on usability
and simplicity

snack

