QuackTrack

No duckin' around

Kevin Hu, Nathan Lee, Felix Ma, Steven Huang
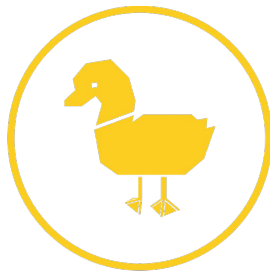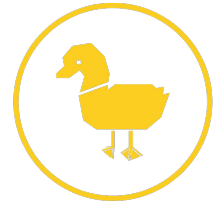
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Team Introduction

Steven Huang

2nd year COMM

Kevin Hu

2nd Year BUCS student

Felix Ma

2nd Year CPEN

Nathan Lee

2nd Year COMM

Issues with Modern Learning

Distractions Everywhere

Nearly an infinite amount of content available— one click away
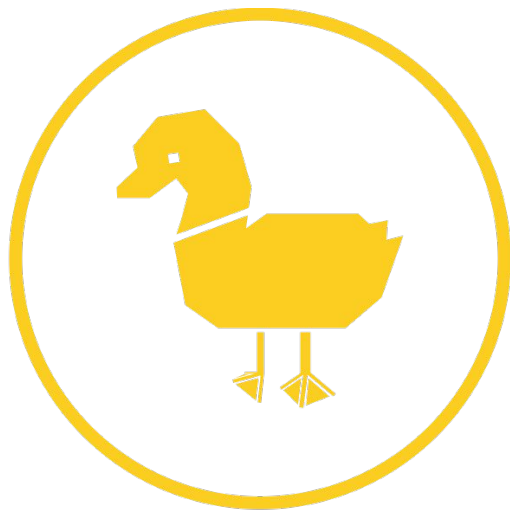
Inefficient Delegation of Time

Students tend to incorrectly estimate their time spent on tasks

Dwindling Motivation

Low productivity resulting in a dwindling motivation cycle.

INTRODUCING:

QuackTrack

No duckin' around

QuackTrack Features

Time on Current Tab

Study Session Rating

Daily/Weekly Time Analysis

Tab Time Limits

Target Customer Profile

Meet Roger Choi

Description

- 2nd year UBC student who loves playing ultimate frisbee

- Wants to be studious but not sure how to optimize his time spent

- Constantly looking for hacks to end his procrastination

Pain Points

- Often distracted by Youtube and Reddit when working on his laptop

- Always leaving his assignments until the due date

QuackTrack Advantages

01

More than just screen time, QuackTrack compiles user data to improve the learning process

02

Weekly reports on limits reached/missed

03

Reveals user's most productive working hours/days

04

Current status reports on productivity levels

Why this is Important

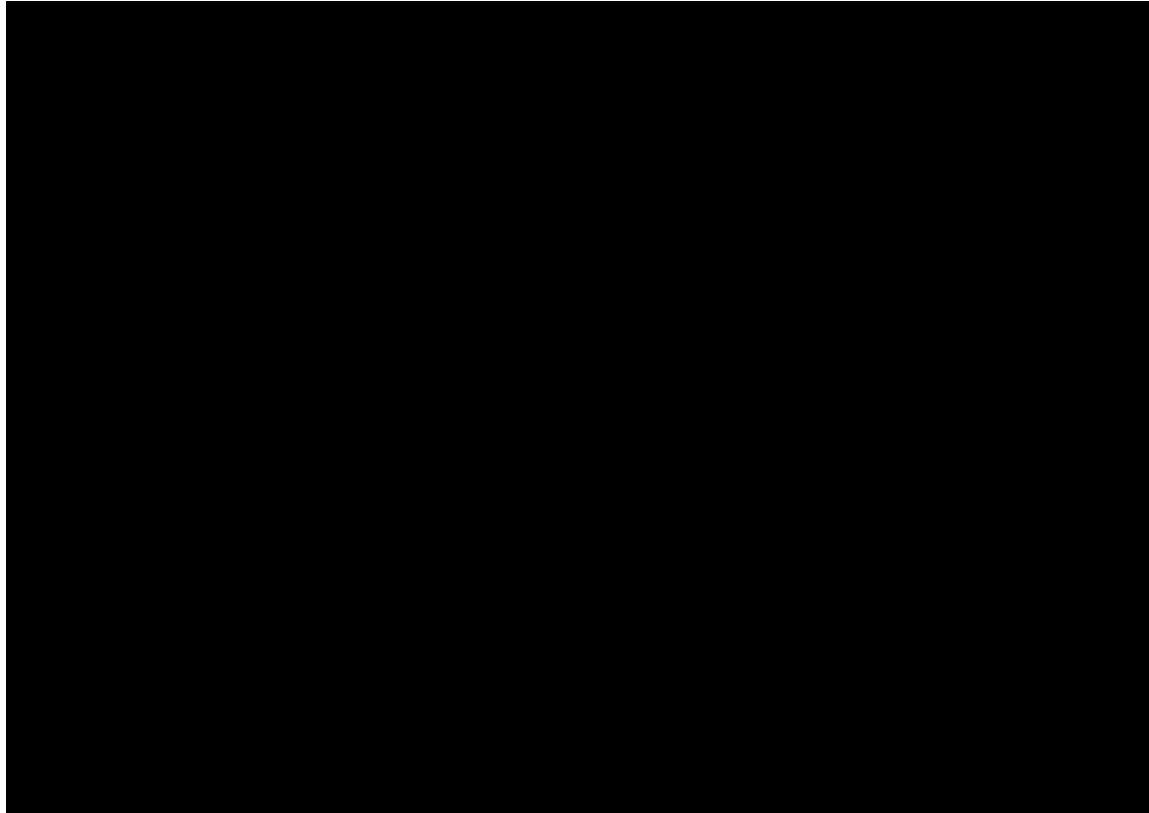Rising popularity of online learning models

Negative mental health consequences of online learning
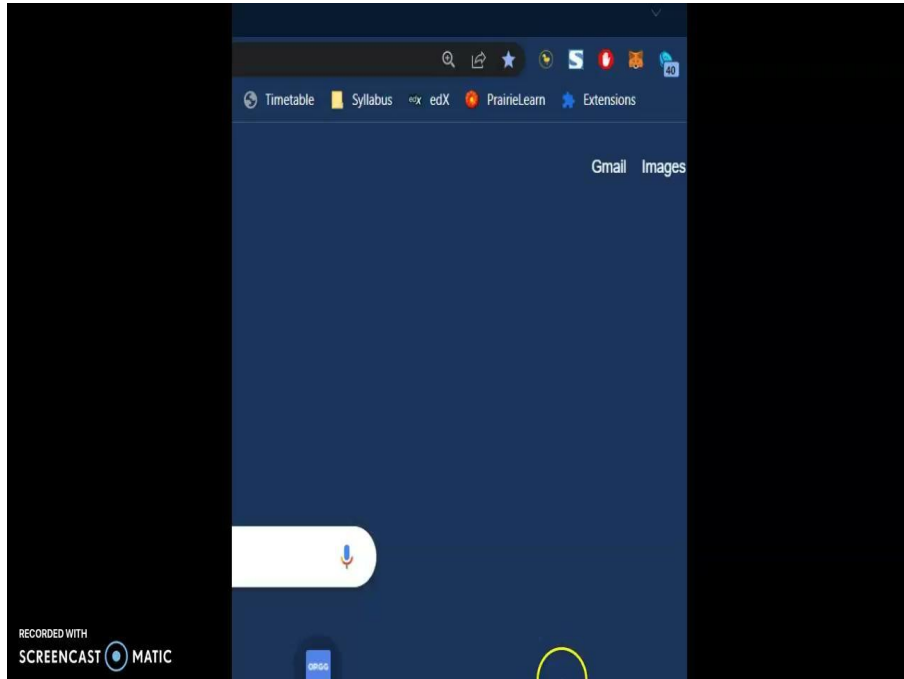
Low online course success rate (studies show 15% or less)

Demo Video of our Figma Design

Demo Video of the Frontend

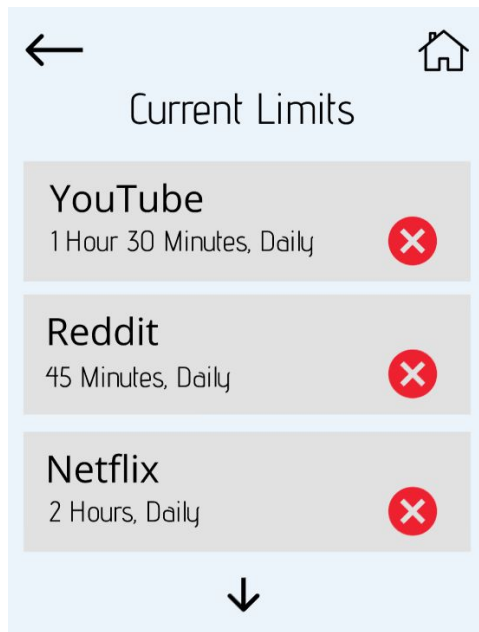## Happy Duck

Angry Duck
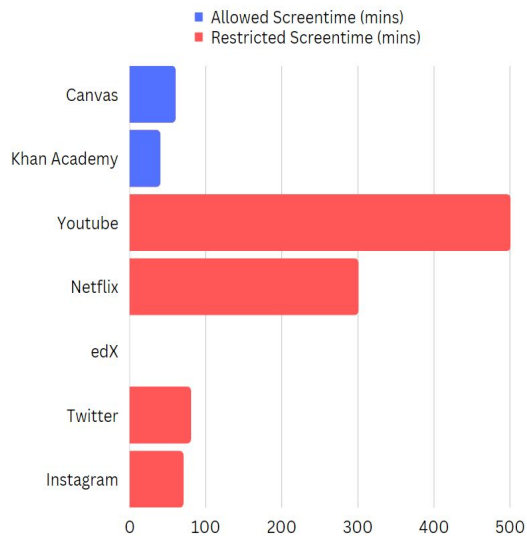
Data Analysis

Allowed Screentime (mins)
Restricted Screentime (mins)

Current Limits

YouTube
1 Hour 30 Minutes, Daily

Reddit
45 Minutes, Daily
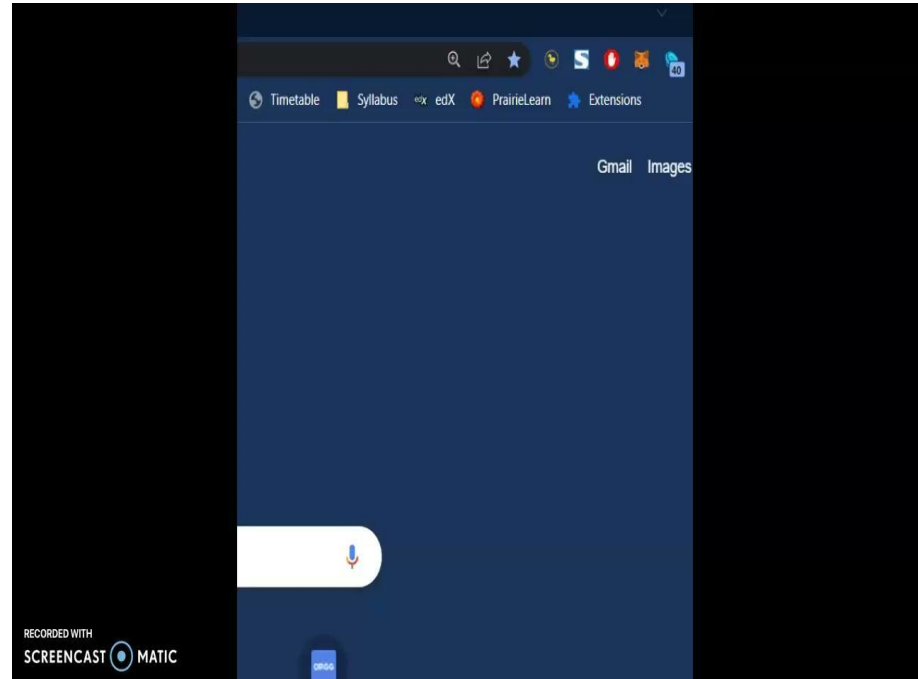
Netflix
2 Hours, Daily

You were on YouTube and Netflix too much! 😡🦆

Backend Code


```python
# Data set 4 -> a student who slacked off
data = {
    "canvas" : 60,
    "khan academy" : 40,
    "youtube" : 500,
    "netflix" : 300,
    "edx" : 0,
    "twitter" : 80,
    "instagram" : 70
}

# Allowed websites 4
allowedWebsites = {
    "canvas" : 0,
    "khan academy" : 0,
    "edx" : 0
```



```python
# Constants
MAX_LEISURE_TIME = 30
ANNOYED_VALUE = 2
ANGRY_VALUE = 3

# Data set 4 -> a student who slacked off
data = {
    "canvas" : 60,
    "khan academy" : 40,
    "youtube" : 500,
    "netflix" : 300,
    "edx" : 0,
    "twitter" : 80,
    "instagram" : 70
}

# Allowed websites 4
allowedWebsites = {
    "canvas" : 0,
    "khan academy" : 0,
    "edx" : 0
}

# Too much time spent on these websites
tooMuchTime = []

# Analysis
print("Quack. Welcome to Quack Track")
print("Here are your results for this study session: ")

# Analyze results
for key, value in data.items():
    print(key, ":", value, "minutes")


for key, value in data.items():
    if value > MAX_LEISURE_TIME and key not in allowedWebsites:
        tooMuchTime.append(key)

# Response
if len(tooMuchTime) >= ANNOYED_VALUE and len(tooMuchTime) < ANGRY_VALUE:
    tooMuchTime.insert(-1, "and")
    print("Nice going, but you spent too much time on", ' '.join(tooMuchTime), "!")
    print(r"""
```



```
Quack. Welcome to Quack Track
Here are your results for this study session:
canvas : 60 minutes
khan academy : 40 minutes
youtube : 500 minutes
netflix : 300 minutes
edx : 0 minutes
twitter : 80 minutes
instagram : 70 minutes
```

Test Case #1 - No Data

```
# Allowed websites 5
allowedWebsites = {
    "canvas" : 0,
    "khan academy" : 0,
    "edx" : 0
}
```

```
Quack. Welcome to Quack Track
Here are your results for this study session:


            _          _          _
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         \__)       \__)       \__)

Hmm, looks like there was no information...🤔
```

Test Case #2 - Under the Limit

```
# Data set 3 -> a very studious student
data = {
    "canvas" : 60,
    "khan academy" : 340,
    "youtube" : 15,
    "netflix" : 20,
    "edx" : 30,
}

# Allowed websites 3
allowedWebsites = {
    "canvas" : 0,
    "khan academy" : 0,
    "edx" : 0
}
```

```
Quack. Welcome to Quack Track
Here are your results for this study session:
canvas : 60 minutes
khan academy : 340 minutes
youtube : 15 minutes
netflix : 20 minutes
edx : 30 minutes

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                 ( ._> /
                  `___'

Good job, keep it up 🤪
```

Test Case #3 - Exceeded Some Limits

```
# Data set 2
data = {
    "canvas" : 75,
    "khan academy" : 60,
    "youtube" : 10,
    "netflix" : 180,
    "hbo max" : 200,
    "edx" : 15,
}

# Allowed websites 2
allowedWebsites = {
    "canvas" : 0,
    "khan academy" : 0,
    "edx" : 0
}
```

```
Quack. Welcome to Quack Track
Here are your results for this study session:
canvas : 75 minutes
khan academy : 60 minutes
youtube : 10 minutes
netflix : 180 minutes
hbo max : 200 minutes
edx : 15 minutes
Nice going, but you spent too much time on  netflix and hbo max !


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      `~j-'
       "=:

You made me stand up 🧍😠
```

Test Cases #4 - Exceeded Many Limits

```
# Data set 4 -> a student who slacked off
data = {
    "canvas" : 60,
    "khan academy" : 40,
    "youtube" : 500,
    "netflix" : 300,
    "edx" : 0,
    "twitter" : 80,
    "instagram" : 70
}

# Allowed websites 4
allowedWebsites = {
    "canvas" : 0,
    "khan academy" : 0,
    "edx" : 0
}
```


Quack. Welcome to Quack Track
Here are your results for this study session:
canvas : 60 minutes
khan academy : 40 minutes
youtube : 500 minutes
netflix : 300 minutes
edx : 0 minutes
twitter : 80 minutes
instagram : 70 minutes

STOP DUCKIN' AROUND

Test Cases #5 – Looser limits

```python
# Data set 6 -> same times as previous student
#               but he set more allowed websites
data = {
    "canvas" : 60,
    "khan academy" : 40,
    "youtube" : 500,
    "netflix" : 300,
    "edx" : 0,
    "twitter" : 80,
    "instagram" : 70
}

# Allowed websites 4
allowedWebsites = {
    "canvas" : 0,
    "khan academy" : 0,
    "edx" : 0,
    "youtube" : 0,
    "twitter" : 0,
    "instagram" : 0
}
```

```
Quack. Welcome to Quack Track
Here are your results for this study session:
canvas : 60 minutes
khan academy : 40 minutes
youtube : 500 minutes
netflix : 300 minutes
edx : 0 minutes
twitter : 80 minutes
instagram : 70 minutes

  __
                    <(o )___
                    ( ._> /
                     `___'

Good job, keep it up 🤪
```

Impact

Limit Distractions

QuackTrack allows students to limit the time they spend on distracting websites
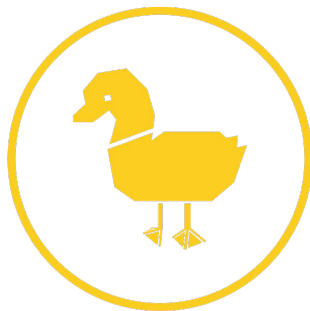
Empower Through Data

Quantitative and visual measures on procrastination, time spent, and productivity

Lasting Impact

Users can change their study habits as they see fit based on QuackTrack data

Thank you for listening!

QuackTrack

No duckin' around

Q & A