We regularly interact with a lot of people around us and notice problems they face on a day-to-day basis. As a product manager you have a keen eye for such hurdles and acknowledge the need to work on it.

Tell us about a real-world problem that you have observed around you which can be solved using a digital product.

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- Why did you choose this problem and what potential impact can solving it create?
- Which parts of the problem will you solve for first and why?
- How will you use technology to solve it?
- How would you measure whether the chosen solution is working?
- What might be the reasons for this chosen solution to fail?



#### **Problem**

20\* Cr+ children studying Class I to Class X in rural India

Most of them using parent's smartphone to study

Sometimes disturbed by incoming calls and notifications

5 out of 7\*\* parents not sure if their child is studying or doing timepass on the smartphone

Majority of them not that much concerned about education or not aware about parental control app

Difficult for teachers to oversee what 40+ students are doing during a 60 min online class











## **Impact of Solving**



Assurance to the parents that their child is on the right track



Opportunity for the students to focus on class than incoming calls and notifications



Capability for teachers to focus on teaching without worrying about whether students are digitally distracted or not

### **Area Under Radar**

The interaction of teacher and students during the online class



Why?

Since most students use parent's smartphone

We can't reject calls and notifications all the time



It's inappropriate to track smartphone usage all the time

> Teacher may mistake parent's phone usage for student's

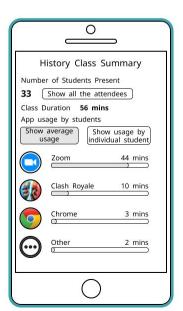


#### Solution

We will create an app that:

Tracks student's smartphone usage during the class







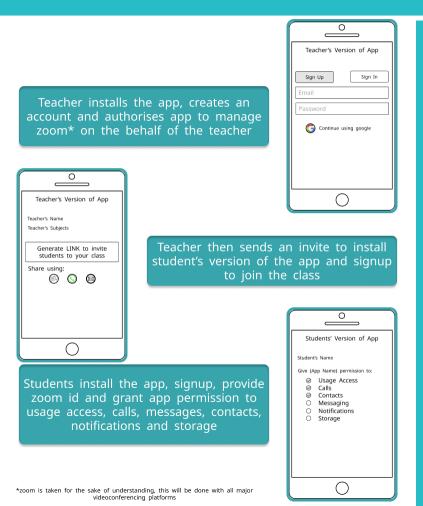
Rejects incoming calls and notifications on student's phone while in the class

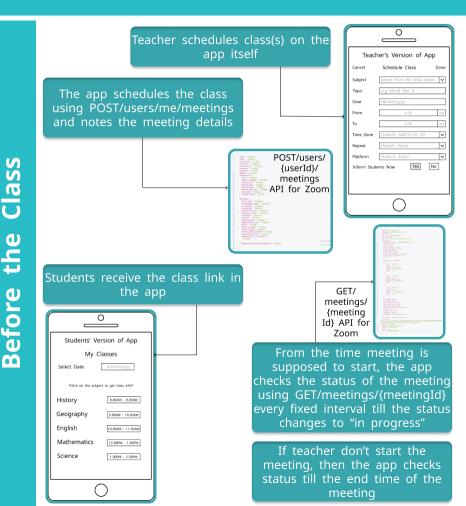


Lets teacher know what students were digitally doing during the class



#### How will it work?





#### How will it work?

**SS** 

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After

As the status of the meeting changes to "in progress", the app fetches the participants details using GET/metrics/meetings/{meetingId}/participants at the fixed interval

GET/metrics/ meetings/ {meetingId}/ participants API on Zoom

The control of the co

For all the students who are in the meeting, the app then measures smartphone usage for the entire duration of the meeting along with attendance time of every student

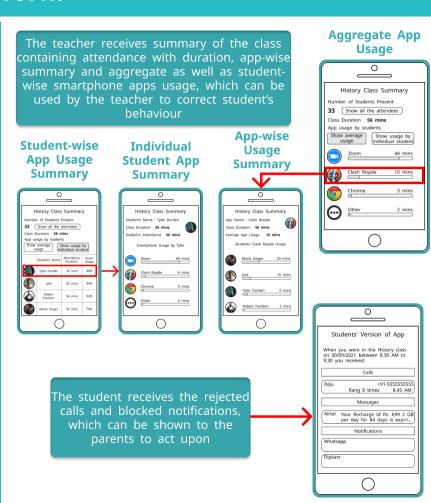
The app also auto rejects all the incoming calls with a message stating the expected time when the caller can call again e.g. 15 mins after the end of the class

The app also blocks all the notifications from popping up on the smartphone for the duration of the class

Considering the difficult times, the students will also be given the option to turn this feature off to tackle emergency situations

#### Seamless Learning:)





## **Metrics**

# **Possible Failures**

Multi Device Login | In case a student has logged into two or

North Star Metric | %age of time spent on the core app (here Zoom) while in the class

more devices, the app may not function as intended Outliers | Students who use laptop or any other device which the app doesn't support won't be considered by the app to

Reach | Number of teachers reached

Privacy and Security | Since we are asking teachers to give video conferencing account authorization, some teachers might not use our app over privacy concerns

monitor usage

Activation | %age of New Teacher's onboarded who completed the first meeting within the first week

Smart Students | Some students might deny the usage access. In such cases we can notify the teacher for the intervention.

**Engagement** | Number of classes completed per active\* teacher per week

## **Future Scope and Improvements**

Quarterly Active Teachers

Retention | Daily / Weekly / Monthly /

The app can be used to share resources with students

The app can be used to submit exams and homework

The app can be used to minimize plagiarism during exams

Net Promoter Score

Thank You!



\*active teacher is someone who has completed at least one class using app in a given period v.nnd.2015.06