



## GROUP 48-FINAL ASSIGNMENT

**PROJECT NAME:** COLLEGE PORTAL

**TEAM MEMBERS:** 1) ANJANAY RAINA (2020494)  
2) ARUN YADAV (2020033)  
3) MEHUL SINGH (2020081)  
4) SAURABH KUMAR (2020541)  
5) SHIVANSH CHOUDHARY (2020127)

**PROBLEM STATEMENT:** Ram is a college student who often forget and misses his classes and lectures and also finds it difficult to get his doubts cleared. Sometimes he even misses his attendance due to the ambiguity. Mostly teachers don't upload the notes before classes because of which he can't make personal annotations during live classes. All these issues frustrate him and he end up getting back to his game instead of studying.

**SOLUTION STATEMENT:** with our college portal, the user will be able to get timely alerts for classes, annotate lecture slides and make notes simultaneously, get her attendance marked effectively and efficiently, and get all her doubts solved easily without having to talk to the professor directly among many other features.

LINK OF THE WORKSPACE:

<https://xd.adobe.com/view/27097d27-98b4-4566-acb4-5a9f079a0773-725a/>

# PERSONAS

Name:

James Chauhan

Age:

19

Description or quote:

James is a hardcore gamer and he usually is short on time. He usually skips the lectures to go for gaming tournaments. He is lazy and doesn't print the notes given by the professors. In a typical day of his he hurries through his studies so that he can have spare time to focus on his gaming career. He is an introvert and generally shy's away from asking his doubts in person.

Occupation:

Undergraduate at IIT Delhi

Picture:



Goals:

- 1) He wants to focus on gaming as well as academics
- 2) He wants to maximize his grades in academics with minimum possible efforts
- 3) He would like to make the most out of his time here taking part in as many co curricular and social activities.

Frustrati

- 1) He finds academic planning difficult due to the disparity of information on multiple resources and websites.
- 2) He often misses his surprise quizzes because of no alerts
- 3) He has an acute lack of information for planning his academic life

Needs and Expectations:

- 1) Access to academic resources in synchronised way
- 2) Needs a platform to provide him with constants updates on the progress of the course and upcoming quizzes

Name

Mr. Ramkumar

Age

55

Description or quotes

He teaches full time. His typical day includes making notes for lecture, grading submission and clearing doubts. He checks his email for upcoming online classes. He generally likes to spend time with his family.

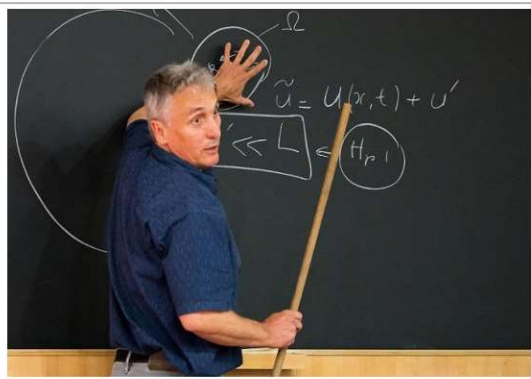
Occupation

Math Professor

Goals

- Increase quality of interactions with students and amongst students.
- Want to establish his reputation academically.
- Work efficient with supporting staff and reduce the time spent on administrative issues.
- Want to spend more time with his family.

Picture:



Frustrations: (pain points)

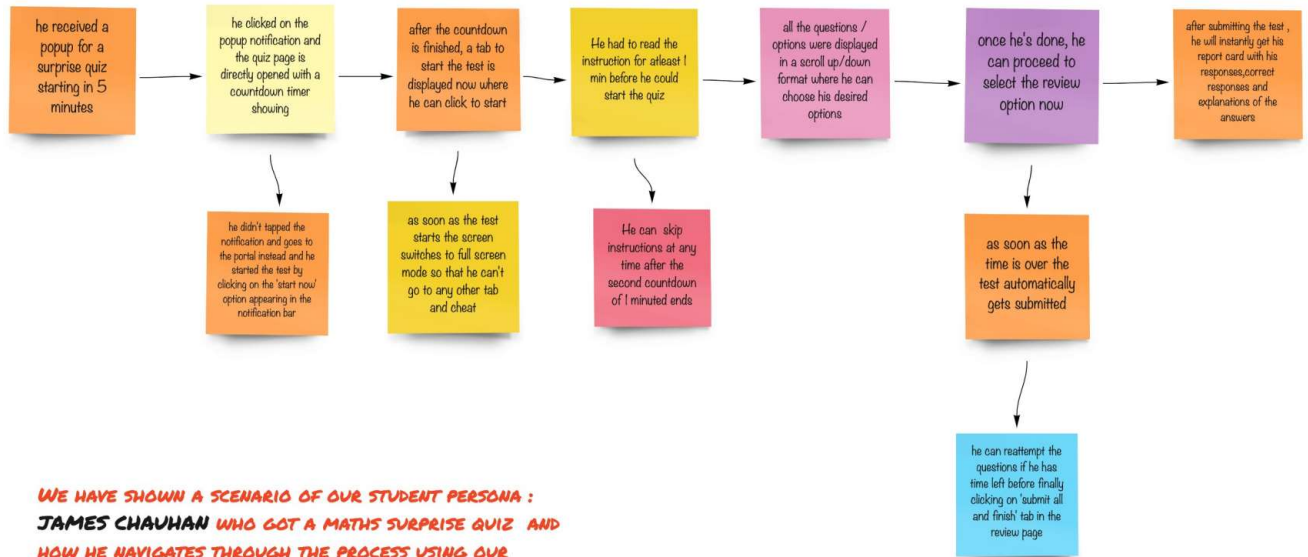
- Become impatient during lecture because his back become sore if he sits at PC too long.
- Difficult to cooperate with latest technology of online classes.
- Become frustrated when he surfs and read small printed sites.

Needs and Expectations:

- Make learning contagious.
- Making notes in frequent manner so student can easily understand.
- Student's good performance during quiz and test.

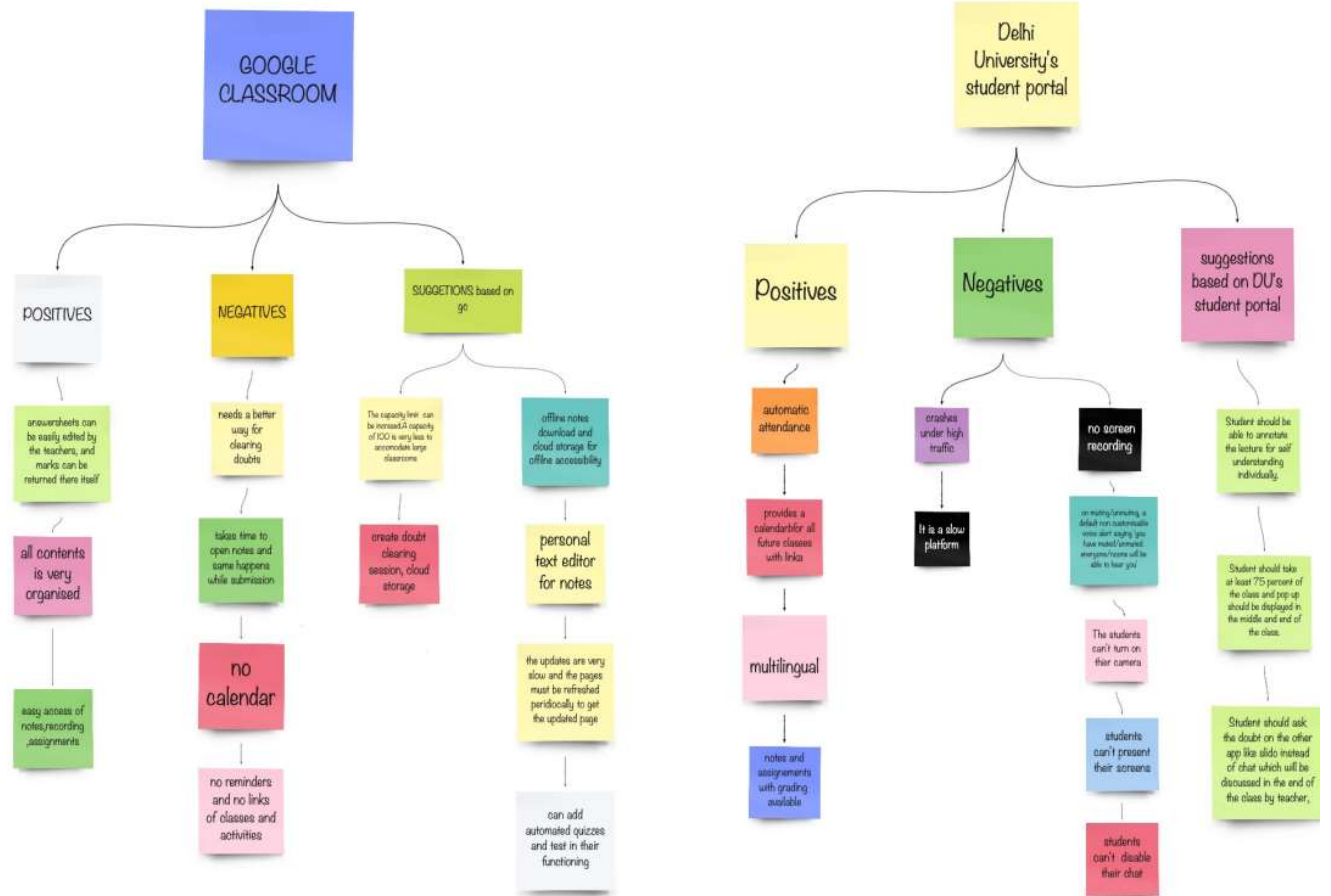
# SCENARIO MAP

## GROUP 48 : PERSONA BASED SCENARIO



**WE HAVE SHOWN A SCENARIO OF OUR STUDENT PERSONA :  
JAMES CHAUHAN WHO GOT A MATHS SURPRISE QUIZ AND  
HOW HE NAVIGATES THROUGH THE PROCESS USING OUR  
COLLEGE PORTAL INTERFACE.**

# AFFINITY DIAGRAM



# STORY BOARD



while he was busy gaming he got an alert for the class



he attend the class and made personal annotation simultaneously for self understanding



He raised his doubts and received answers from his teachers and classmates



He marked his attendance by responding to the random pop-up

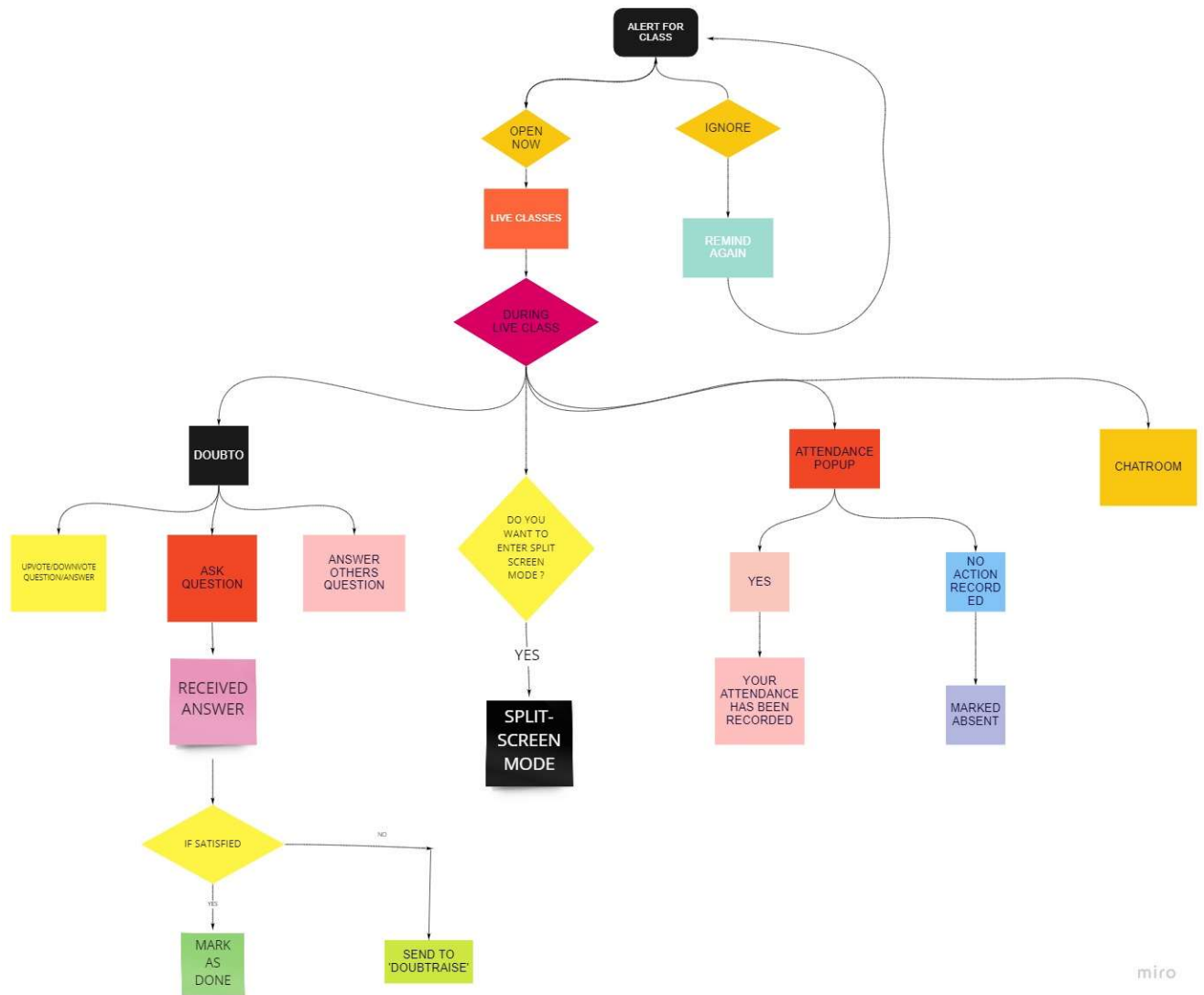


he revised his lectures with the help of both teacher's notes and personal notes



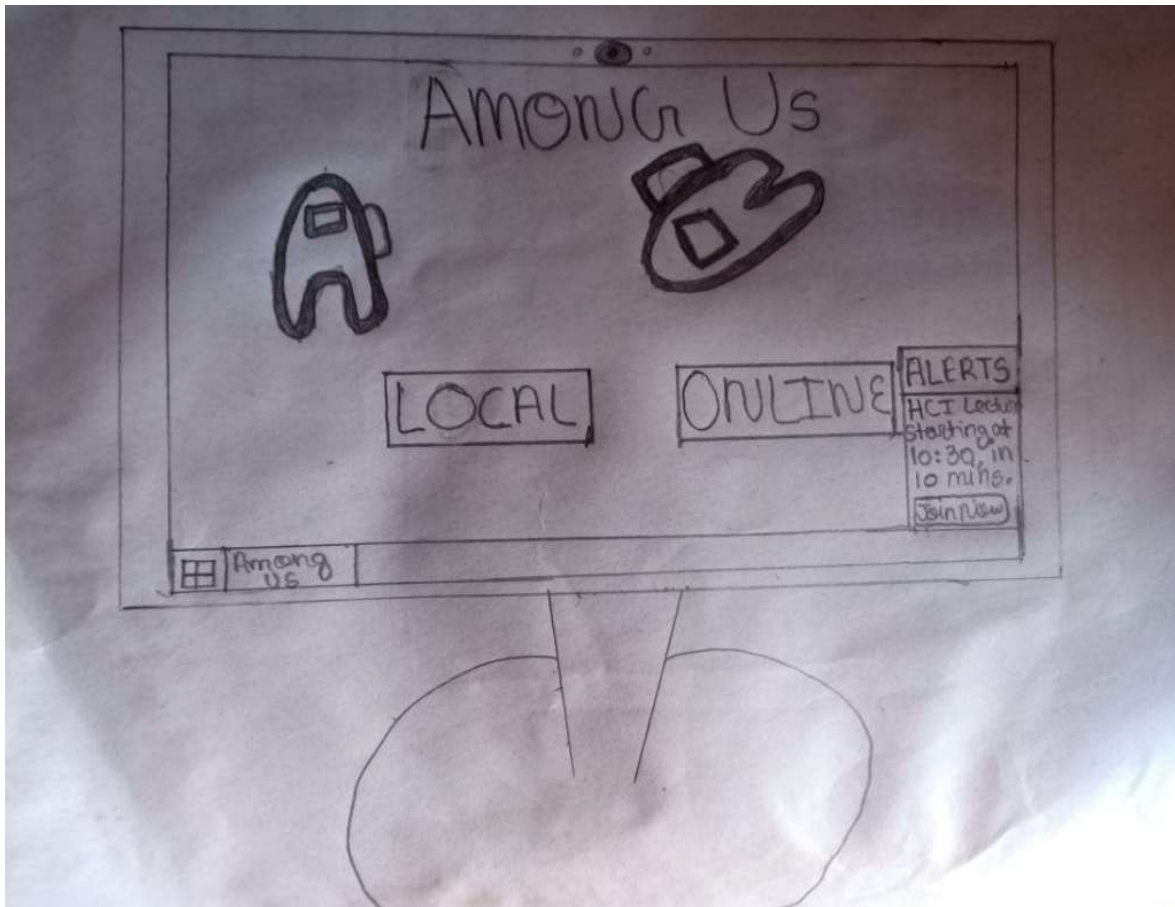
he gets back to his gaming

# INFORMATION ARCHITECHTURE





## LOW-FI PROTOTYPE





# IIITD ONLINE

HOME



LIVE CLASSES

STARTING IN X MINUTES...



CALENDAR



SUBMISSIONS

PENDING ----



LEADERBOARD

RANK ----



DOUBT RAISE



CLOUD STORAGE

# IIIT D ONLINE

Home > Live Class > Split mode

Teacher's Copy



~~~~~



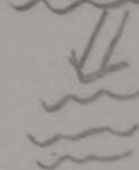
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Student's Copy



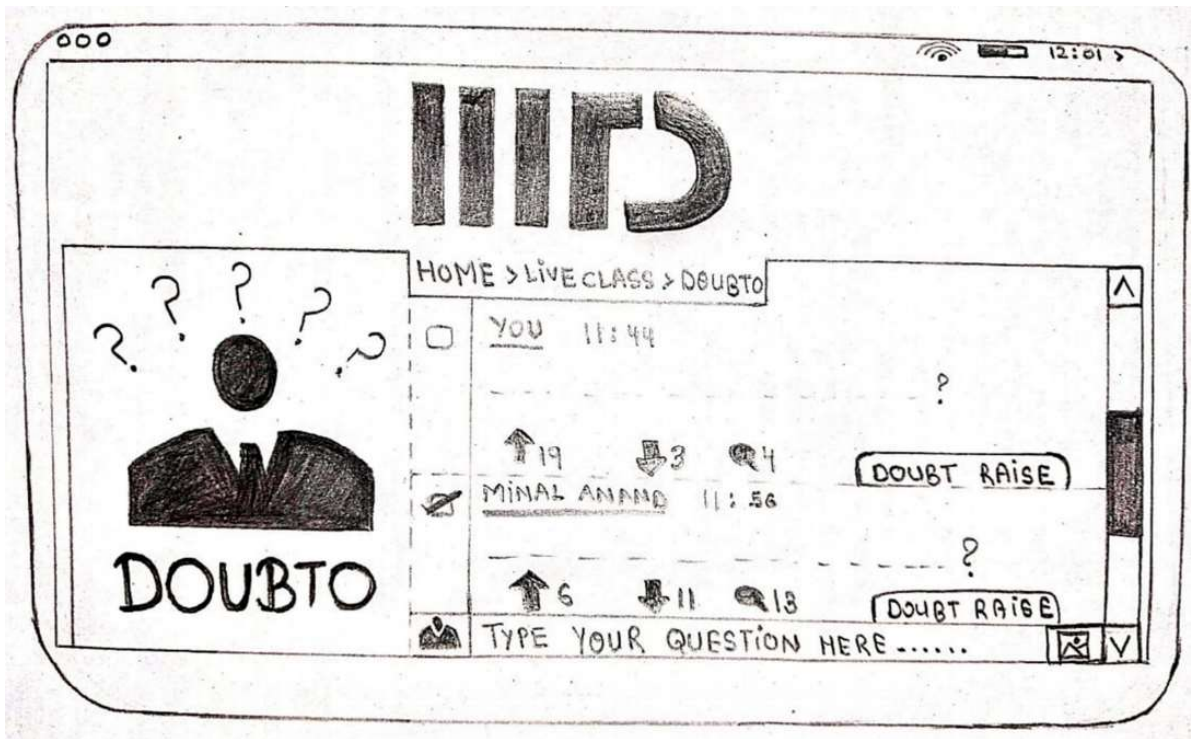
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ooo

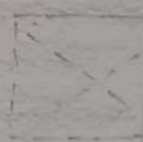
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# WHD ONLINE

(REC)

HOME > LIVE CLASS > ATTENDANCE



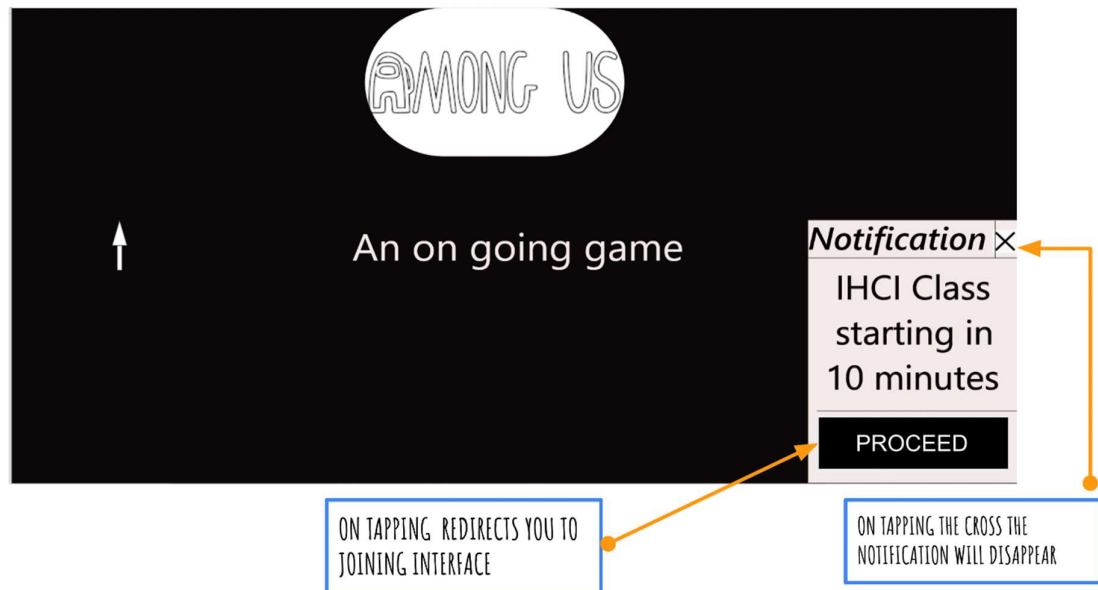
Are You  
Attending  
the  
lecture?

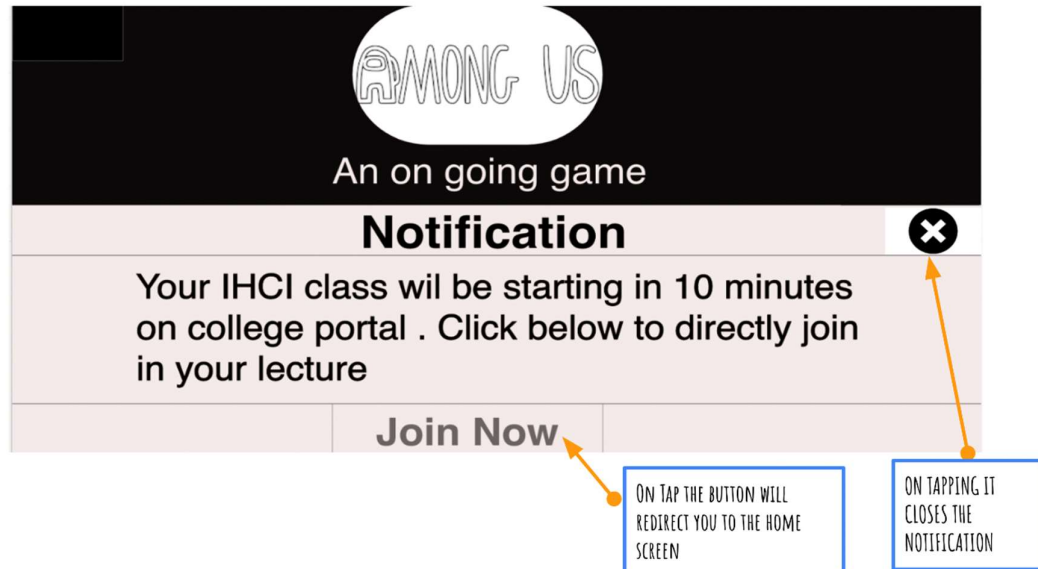


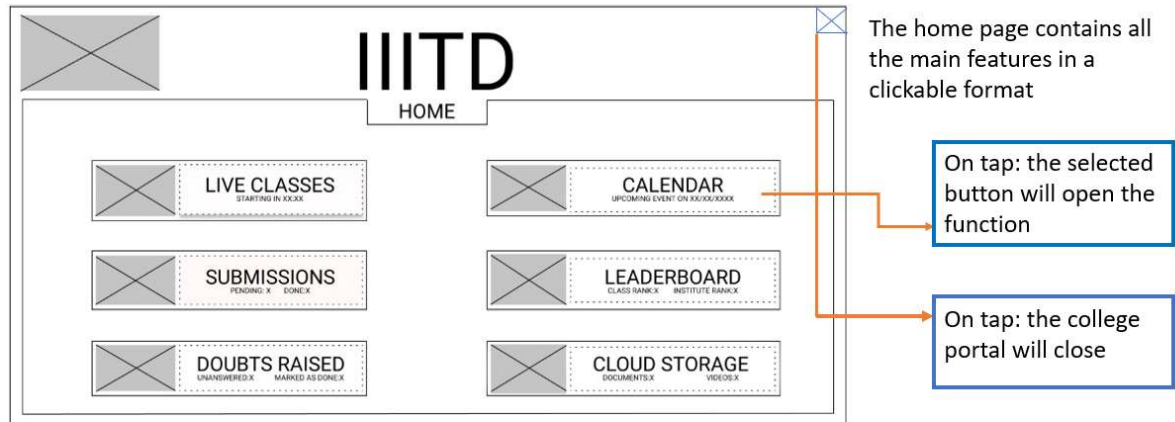
YES

# MID-FI PROTOTYPE

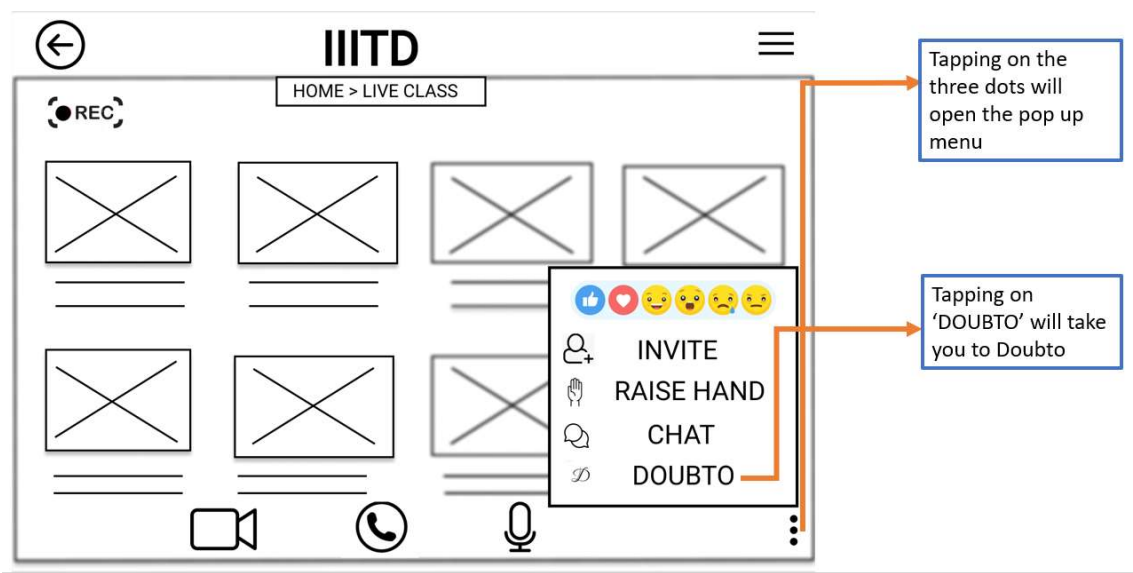
COLLEGE PORTAL / 0.1/ JOINING POP-UP

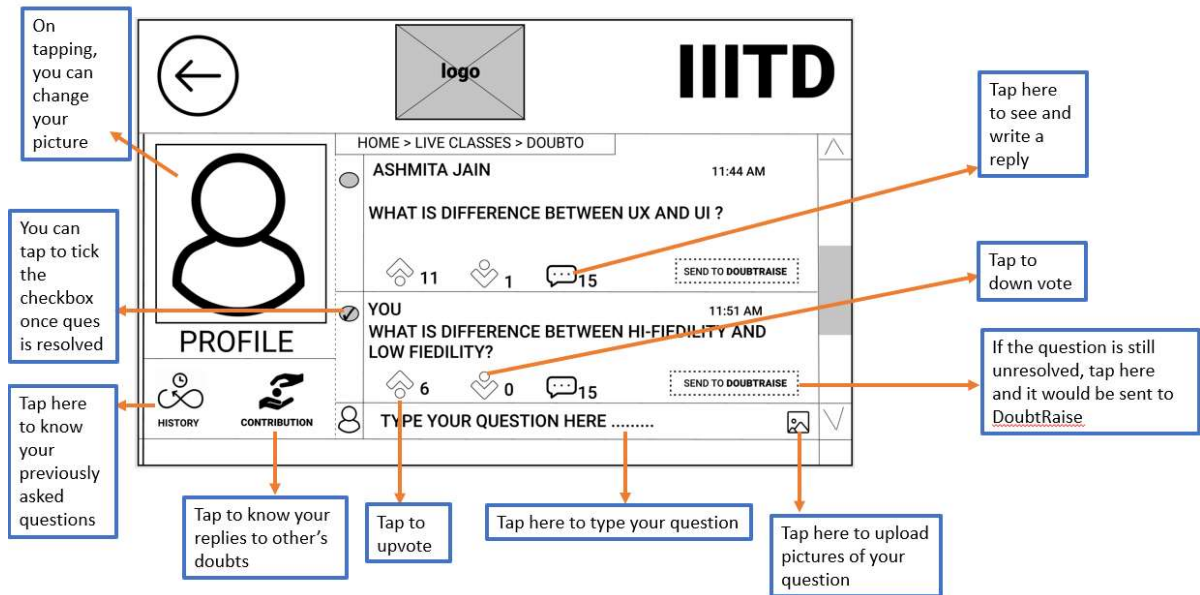


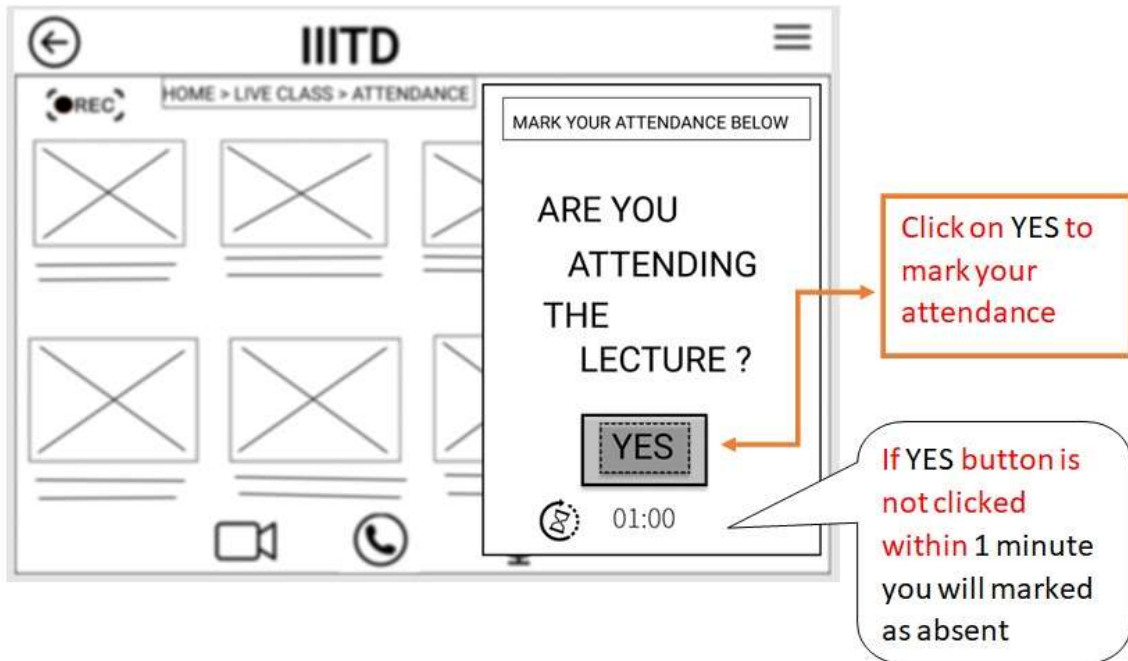


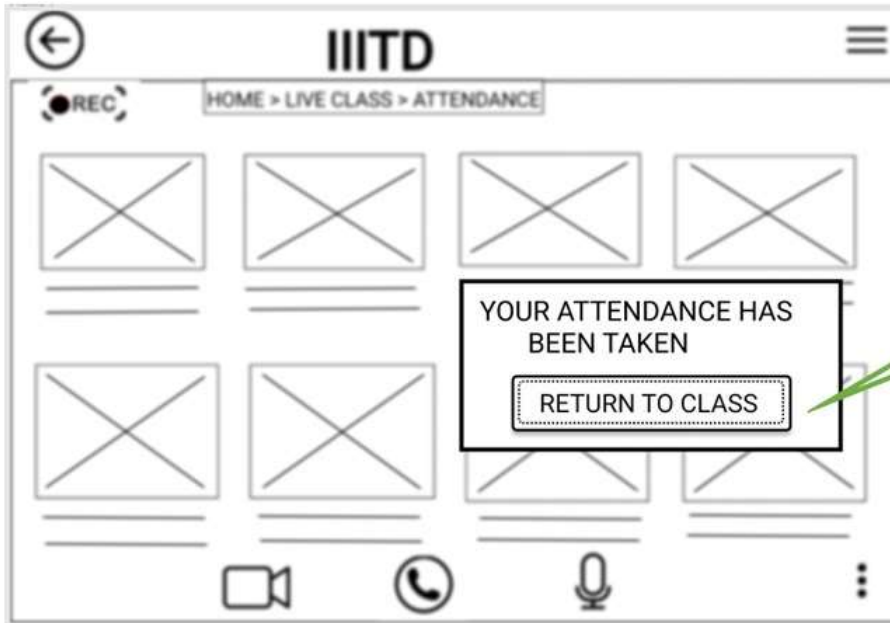












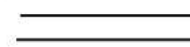
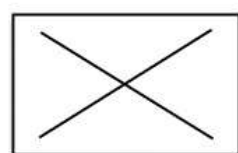
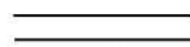
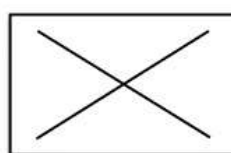
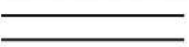
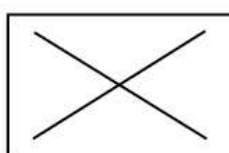
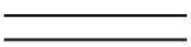
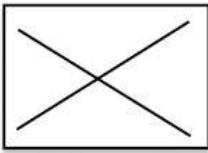
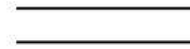
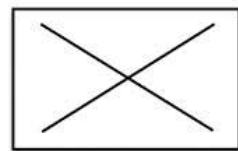
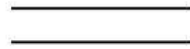
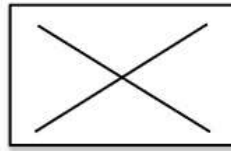
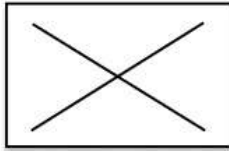
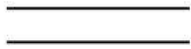
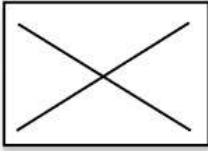
Click on RETURN  
TO CLASS to go  
to live class



IIITD



HOME > LIVE CLASS



# HI-FI PROTOTYPE

COLLEGE PORTAL/0.1/JOINING POP-UP



1.ON TAPPING  
REDIRECTS YOU TO  
JOINING INTERFACE

ON TAPPING  
THE CROSS THE  
NOTIFICATION  
WILL  
DISAPPEAR



ON TAPPING  
IT CLOSSES  
THE  
NOTIFICATION

2. ON TAP THE  
BUTTON WILL  
REDIRECT YOU TO  
THE HOME SCREEN



THE HOME PAGE CONTAINS ALL THE MAIN FEATURE IN A CLICKABLE FORMAT



The screenshot shows a live class interface with a teal header bar containing a logo, a hamburger menu, and a 'REC' button. Below the header, a navigation bar shows 'Home < Live Classes'. The main area is a dark green board with 'Teacher's Notes' at the top. A Karnaugh map is displayed in the center, with a callout box explaining it. At the bottom, there are icons for video, a diamond-shaped button, and a microphone. On the right side, a vertical red bar contains the text 'SPLIT MODE' with arrows pointing up and down. An orange arrow points from this bar to a text box on the right.

Home < Live Classes

Teacher's Notes

| A \ BC | BC                    |                      |                     |                      |
|--------|-----------------------|----------------------|---------------------|----------------------|
|        | 00                    | 01                   | 11                  | 10                   |
| 0      | $A'B'C'$ <sup>0</sup> | $A'B'C$ <sup>1</sup> | $A'BC$ <sup>3</sup> | $A'BC'$ <sup>2</sup> |
| 1      | $AB'C'$ <sup>4</sup>  | $AB'C$ <sup>5</sup>  | $ABC$ <sup>7</sup>  | $ABC'$ <sup>6</sup>  |

A kmap is a pictorial method used to minimize boolean expression.

< SPLIT MODE <

4. ON LEFT SWIPE :  
PERSONAL  
ANNOTATION MODE  
WILL BEGIN AND  
THE SCREEN WILL  
BE SPLIT IN TWO

REC

Home<Live Classes

Teacher's Notes

| BC | 00                    | 01                   | 11                  | 10                   |
|----|-----------------------|----------------------|---------------------|----------------------|
| 0  | $A'B'C'$ <sup>0</sup> | $A'B'C$ <sup>1</sup> | $A'BC$ <sup>2</sup> | $A'BC'$ <sup>3</sup> |
| 1  | $AB'C'$ <sup>4</sup>  | $AB'C$ <sup>5</sup>  | $ABC$ <sup>7</sup>  | $ABC'$ <sup>6</sup>  |

A kmap is a pictorial method used to minimize boolean expression.

SPLIT MODE

Student's Notes

| BC | 00                    | 01                   | 11                  | 10                   |
|----|-----------------------|----------------------|---------------------|----------------------|
| 0  | $A'B'C'$ <sup>0</sup> | $A'B'C$ <sup>1</sup> | $A'BC$ <sup>2</sup> | $A'BC'$ <sup>3</sup> |
| 1  | $AB'C'$ <sup>4</sup>  | $AB'C$ <sup>5</sup>  | $ABC$ <sup>7</sup>  | $ABC'$ <sup>6</sup>  |

K Maps is a method of simplifying boolean algebra expressions.

5.ON RIGHT SWIPE : THE PERSONAL ANNOTATION MODE WILL CLOSE AND USER WILL RETURN TO THE LIVE CLASS



6. TAPPING ON  
"DOUBTO" WILL  
TAKE YOU TO  
DOUBTO

The screenshot shows the DOUBTO app interface. At the top, there's a header with the 'COLLEGE PORTAL' logo, the 'IIITD' logo, and a 'DOUBTO' logo. Below the header, the navigation bar shows 'HOME > LIVE CLASSES > DOUBTO'. The main content area displays a list of questions. The first question is by 'ASHMITA JAIN' at 11:44 AM: 'WHAT IS DIFFERENCE BETWEEN UX AND UI ?'. It has 11 upvotes, 1 downvote, and 15 comments. A 'Send to DoubtRaise' button is next to it. The second question is by 'YOU' at 11:51 AM: 'WHAT IS DIFFERENCE BETWEEN HI-FIEDILITY AND LOW FIEDILITY?'. It has 18 upvotes, 0 downvotes, and 15 comments. A 'Send to DoubtRaise' button is also next to it. At the bottom, there's a text input field 'TYPE YOUR QUESTION HERE .....', a photo upload icon, and a submit button. On the left, there are icons for 'HISTORY' and 'CONTRIBUTION'. On the right, there's a vertical scroll bar.

ON TAPPING YOU CAN CHANGE YOUR PICTURE

TAP HERE TO KNOW YOUR PREVIOUSLY ASKED QUESTIONS

TAP TO KNOW YOUR REPLIES TO OTHER DOUBT

TICK TO SHOW THAT THE QUES IS RESOLVED

7. TAP HERE TO TYPE YOUR QUESTION

TAP HERE TO UPVOTE/ DOWNVOTE OR TO RESPOND

IF THE QUES IS STILL RESOLVED CLICK TO DOUBTRAISE IT

TAP HERE TO UPLOAD PHOTO OF ANY QUES

The screenshot shows a web interface for marking attendance during a live class. On the left, a grid of student avatars is displayed with names below them: Shivansh, Lily, David Milan, and Mehul. A 'REC' button is in the top left corner. The main area on the right has a pink header 'MARK YOUR ATTENDANCE BELOW' and a white box asking 'ARE YOU ATTENDING THE LECTURE ?'. Below the question is a blue 'YES' button. At the bottom of this box are an hourglass icon and a digital clock showing '00:20'. Two callout boxes with arrows provide instructions: one points to the 'YES' button, and the other points to the clock.

REC

HOME-LIVE CLASS-ATTENDANCE

MARK YOUR ATTENDANCE BELOW

ARE YOU ATTENDING THE LECTURE ?

YES

00:20

8. CLICK ON YES TO MARK YOUR ATTENDANCE

IF YES BUTTON IS NOT CLICKED WITHIN 1.5 MINUTES, YOU WILL BE MARKED ABSENT

Shivansh

Lily

David Milan

Mehul



9. TAP TO RETURN  
BACK TO LIVE CLASS





10. ONCE THE CLASS TAP HERE TO CLOSE THE CLASS AND RETURN TO HOME PAGE

# PROTOTYPE EVALUATION

Link to feedback form:

<https://forms.gle/W1skX6ZknZh1Eh2j7>

Most games has their controls at bottom right corner of the game which will be overlapped by the positioning of the dialogue box making the user lose controls in the game.

Shift the notification dialogue box from bottom right corner to top right corner



On tapping , It redirects you to the Joining Interface

On tapping the cross , the notification will disappear

This second dialogue box is redundant as it provides the exact information like the previous dialogue box.

Add more information like the duration of class, topics that will be covered, professor name, dynamic timer etc.



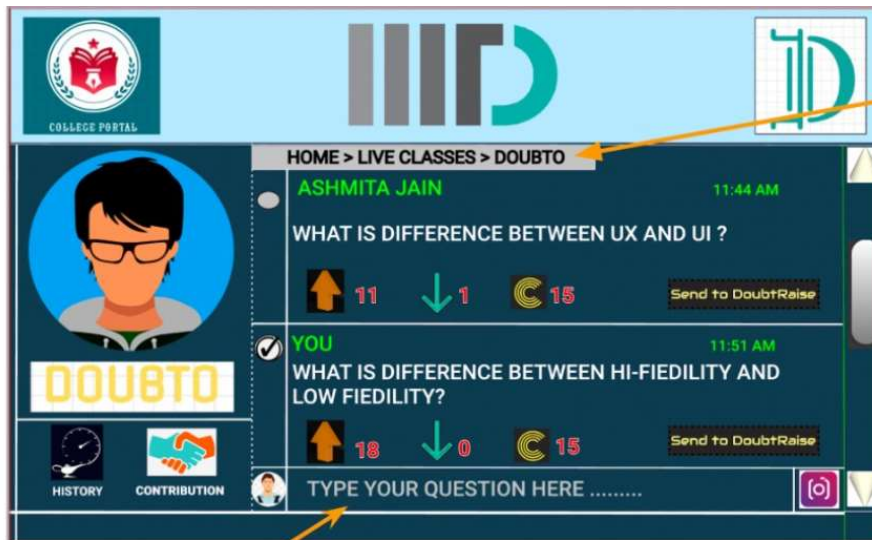
On tapping Cross, it will close the notification

On tapping Join Now, you will get redirected to the Home Screen

On tap: You will be redirected to live class

Same white font color for both headings and text makes doesn't make them easily distinguishable and visual design is basic!  
Change font colours of headings from that of text to highlight them.  
Add more graphics and visually appealing colours and elements.





This bar shows the current status and these buttons are functional.

It's not obvious that the breadcrumbs can also be used to go back and are clickable make the breadcrumb look clickable by underlining and highlighting current status bar color to blue

TAP HERE TO TYPE YOUR QUESTION

No virtual button to send/raise the ques. Replacing the left profile icon with image upload option and putting ➤ send symbol in place of image select icon.

The screenshot shows a live class interface with a green background. At the top, there is a header bar with a logo on the left, the text 'Home < Live Classes' in the center, and a menu icon on the right. Below the header, there is a 'Teacher's Notes' section. The main content area displays a Karnaugh map (Kmap) for three variables A, B, and C. The map is a 2x4 grid with columns labeled BC (00, 01, 11, 10) and rows labeled A (0, 1). The cells contain the following expressions: (0,0)  $A'B'C'$ , (0,1)  $A'B'C$ , (0,3)  $A'BC$ , (0,2)  $A'BC'$ , (1,4)  $AB'C'$ , (1,5)  $AB'C$ , (1,7)  $ABC$ , and (1,6)  $ABC'$ . At the bottom of the screen, there are three red circular icons: a video camera, a telephone, and a microphone. On the right side of the screen, there is a vertical red button labeled 'SPLIT MODE'.

Home < Live Classes

Teacher's Notes

|   |   | BC                    |                      |                     |                      |
|---|---|-----------------------|----------------------|---------------------|----------------------|
|   |   | 00                    | 01                   | 11                  | 10                   |
| A | 0 | $A'B'C'$ <sup>0</sup> | $A'B'C$ <sup>1</sup> | $A'BC$ <sup>3</sup> | $A'BC'$ <sup>2</sup> |
|   | 1 | $AB'C'$ <sup>4</sup>  | $AB'C$ <sup>5</sup>  | $ABC$ <sup>7</sup>  | $ABC'$ <sup>6</sup>  |

A kmap is a pictorial method used to minimize boolean expression.

SPLIT MODE

On left swipe : Personal annotation mode will begin and the screen split in two.

Issue : User faces difficulty to read split mode from up to down (vertically).  
Solution: Place the split mode in top right corner in horizontal in live classes..



The screenshot shows a live class interface with a green background. At the top, there is a header bar with a logo on the left, the text "Home<Live Classes" in the center, and a menu icon on the right. Below the header, there are two main sections: "Teacher's Notes" on the left and "Student's Notes" on the right. The "Teacher's Notes" section contains a K-map (Karnaugh map) for a 3-variable function. The K-map is a 2x4 grid with columns labeled 00, 01, 11, 10 and rows labeled 0, 1. The cells contain the following expressions: (0,0) A'B'C, (0,1) A'B'C, (0,2) A'BC, (0,3) A'BC, (1,0) AB'C, (1,1) AB'C, (1,2) ABC, (1,3) ABC. Below the K-map, there is a text box that says "A kmap is a pictorial method used to minimize boolean expression." The "Student's Notes" section contains a text box that says "K Maps is a method of simplifying boolean algebra expressions." At the bottom of the interface, there are three red circular icons: a video camera, a telephone, and a microphone. On the right side of the interface, there is a vertical bar with the text "SPLIT MODE" and arrows pointing up and down.

On right swipe : Personal annotation mode will close and user will return to the live classes(teacher's notes).

Issue: Full screen mode option is not available in live classes.  
Solution :Add the full screen mode option under the split mode in bottom right corner in live classes.

# THANK YOU!