

HCI - Endterm Design Activity

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CS22B1081

E-meeting Software

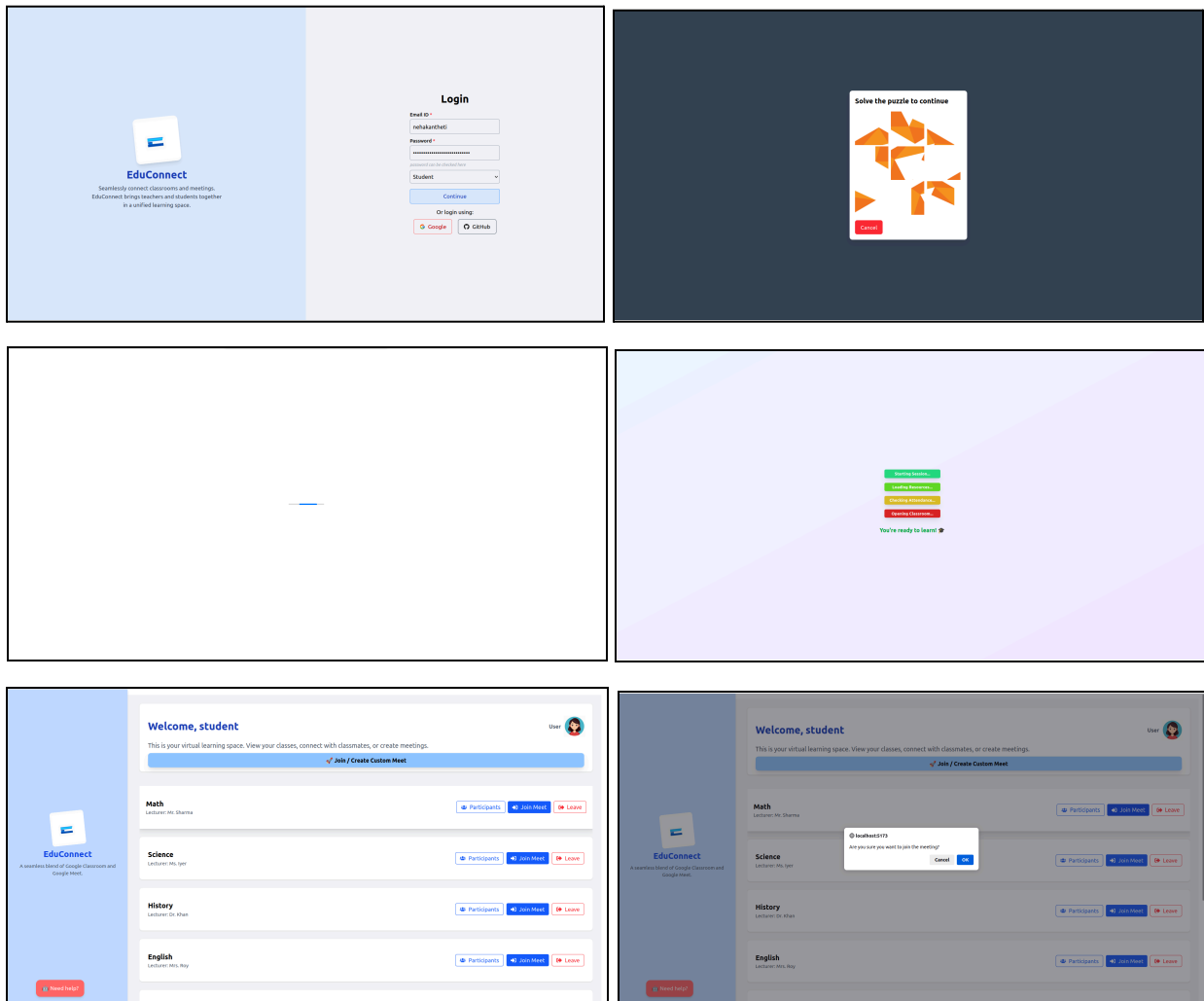
April 06th 2025

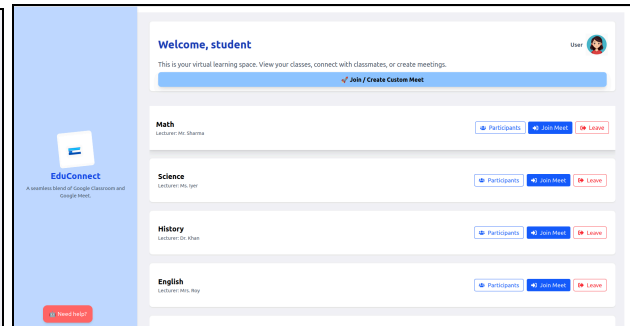
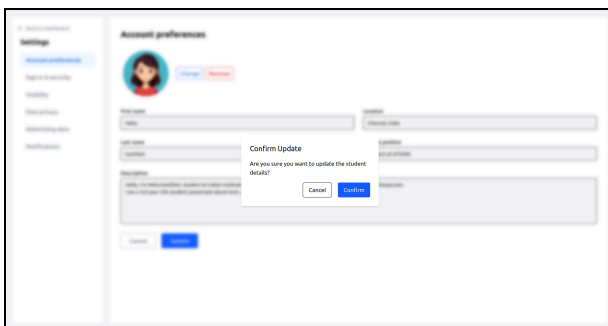
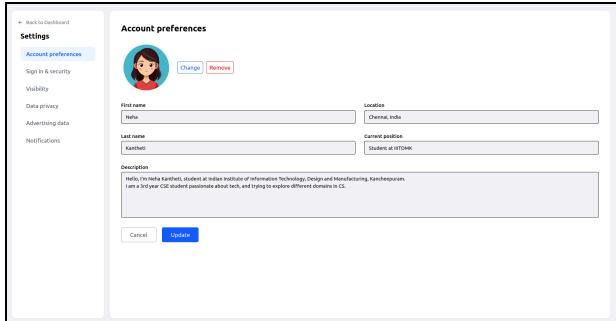
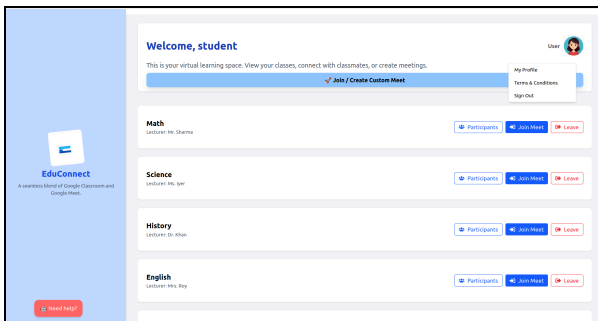
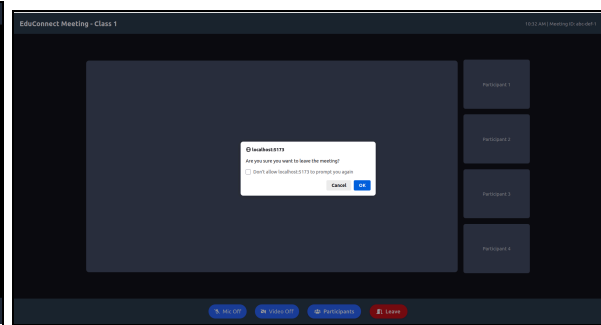
Detailed Application Domain

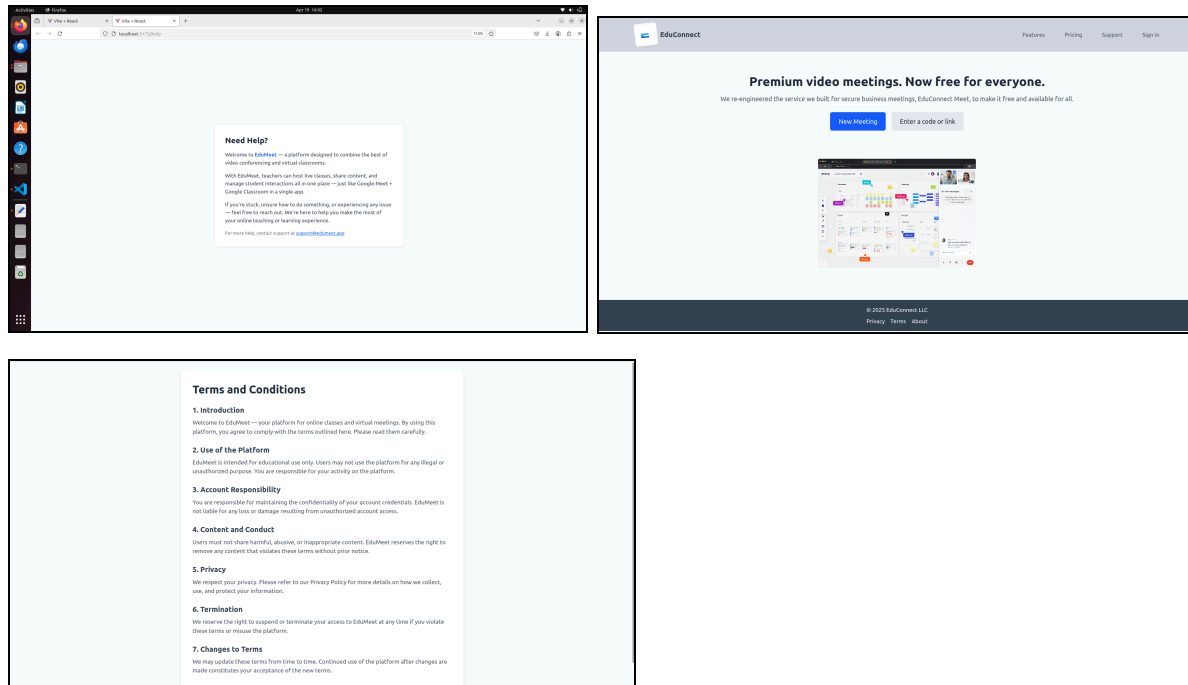
E meeting software like Gmeet with specific focus on features that suit the educational environment to conduct classes, workshops etc.

Set up is like a mix of Google Classroom and Google Meet, where upon logging in, the user has a list of classes available to join a meeting. A class always has the same meeting ID to join. UI is like Google Classroom after logging in, with Skeuomorphic icons to join a meet for a student. If the user is a teacher, then there is an option to create or join the meet. Flow of the application follows general flow without disturbing the **Mental Model** of users built over time.

Layouts :





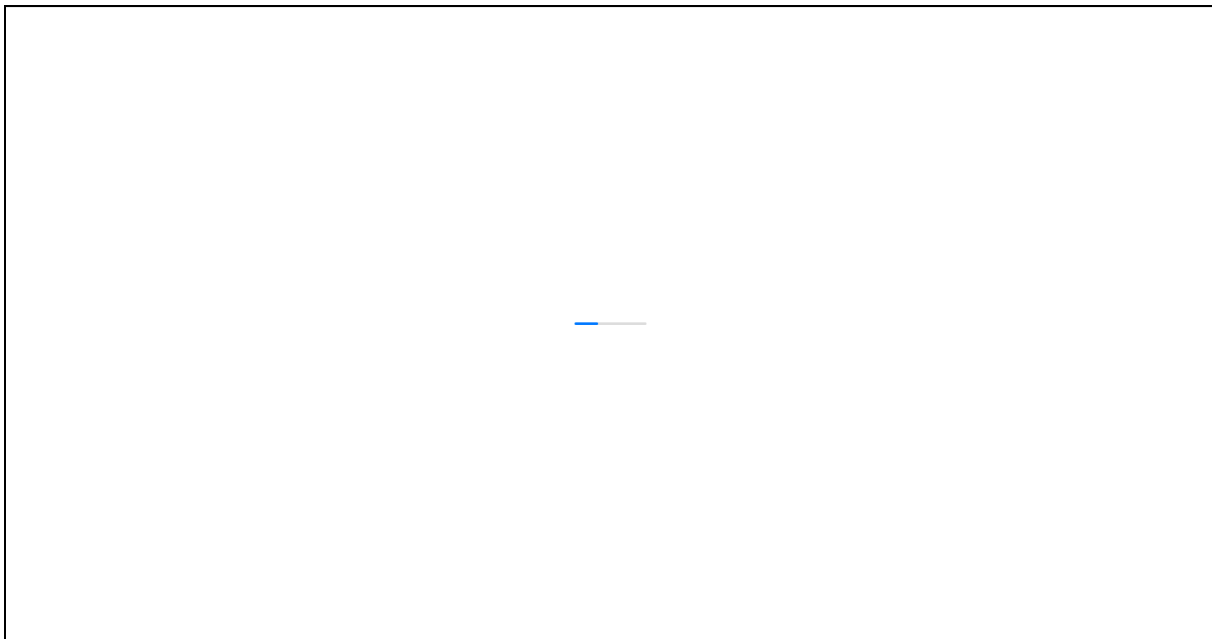
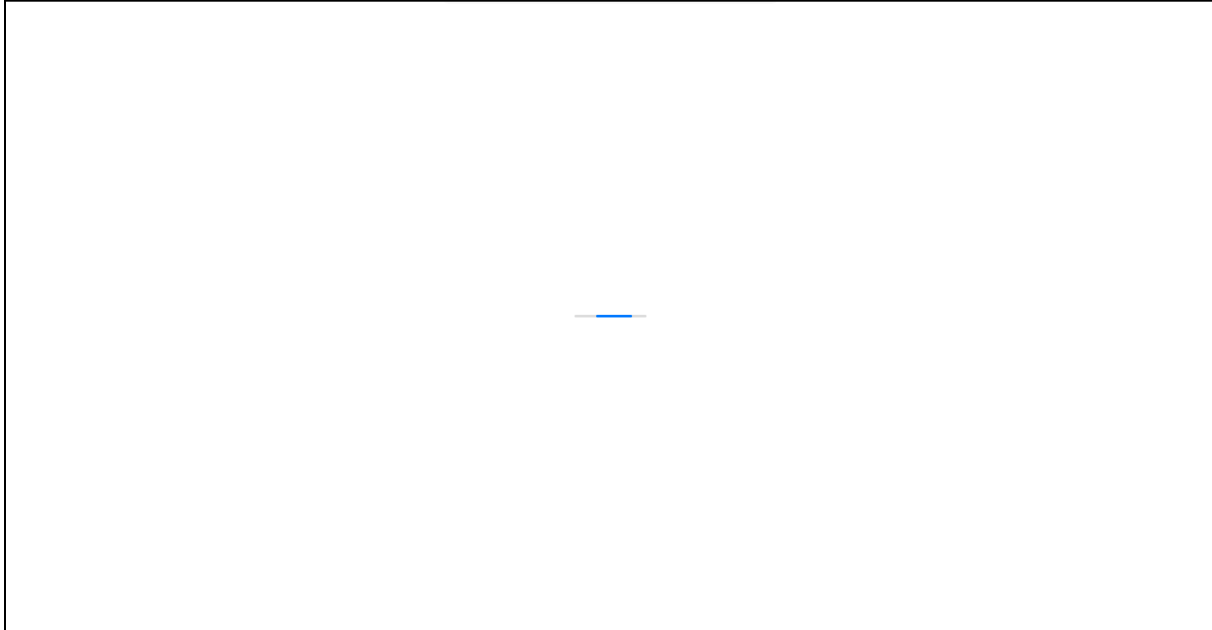


Additional Implementation on top of Midterm activity :

- Loading Bars
 - Indeterminate Sliding Loading Bar
 - Skeleton Loading Bar
- Puzzle Captcha
- Profile Page
- Terms and Conditions Page
- Blur for Overlay for all pop ups
- Help Button & Help Page in dashboard (opens in a new tab)
- Landing Page - Less is More (Von Restorff Effect)
- Aesthetic logo tilting

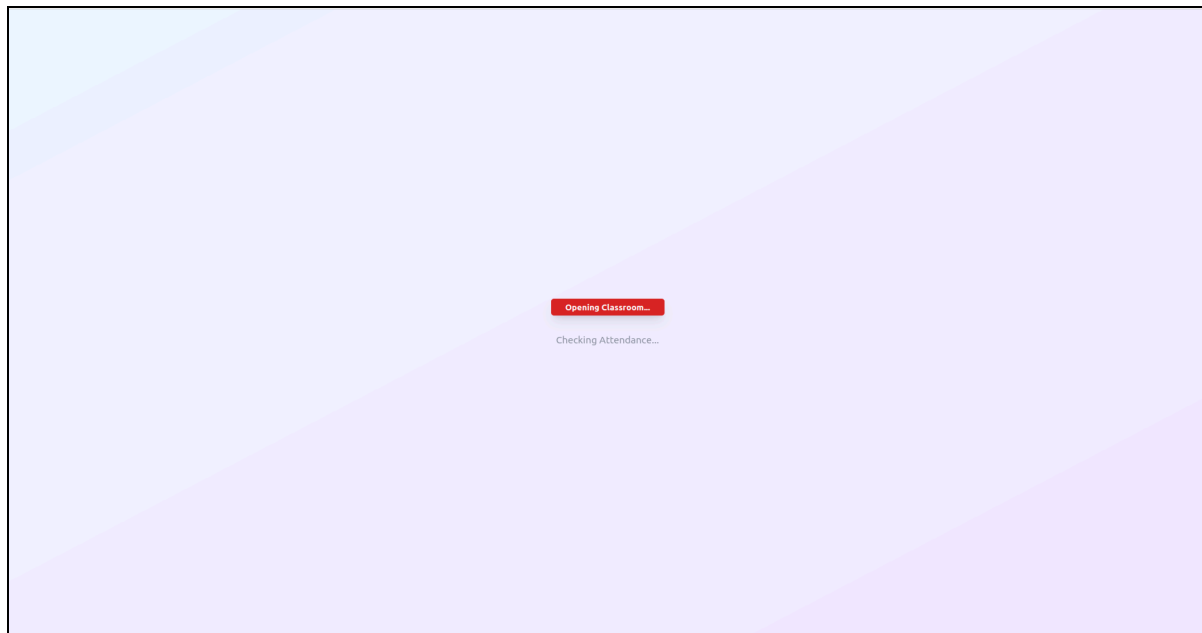
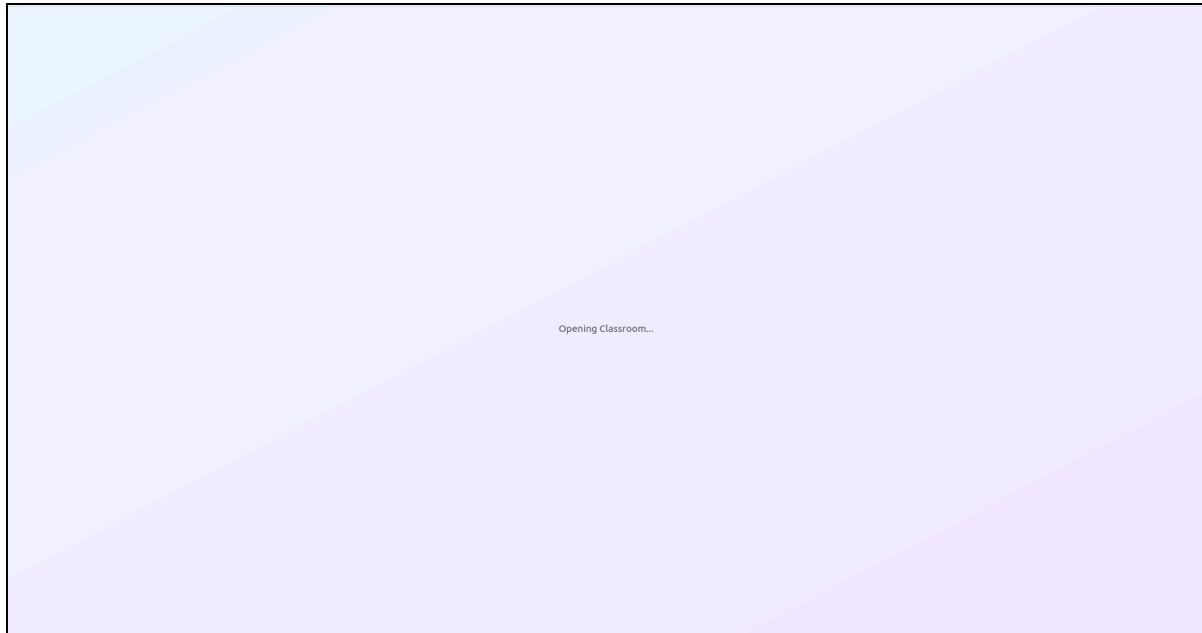
Loading bars :

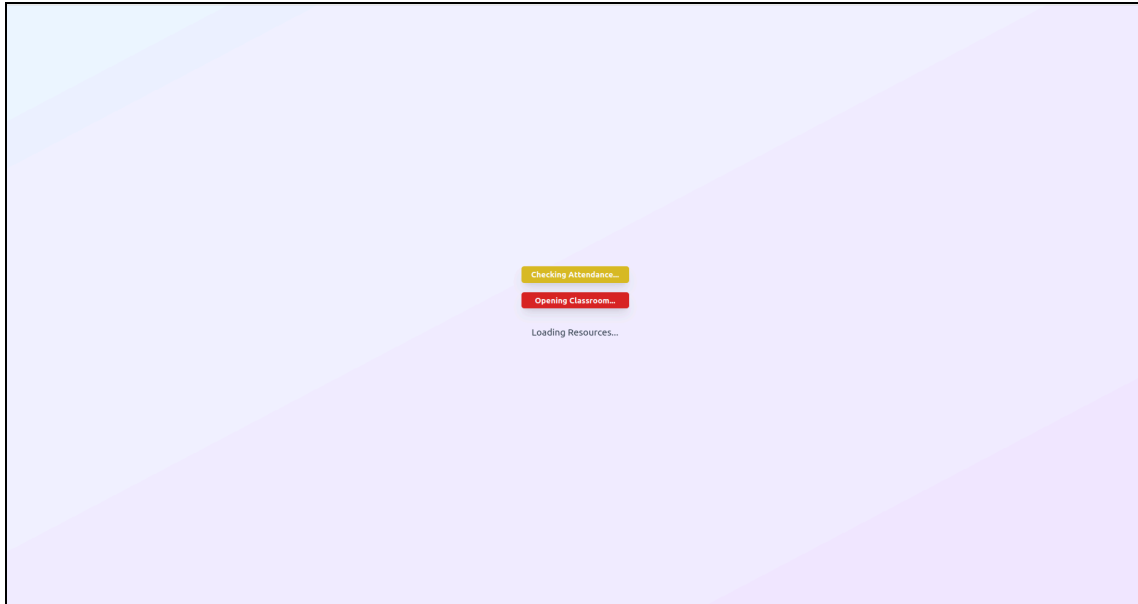
Loading bar 1 : After the Login page, Initially a small indeterminate loading bar appears.

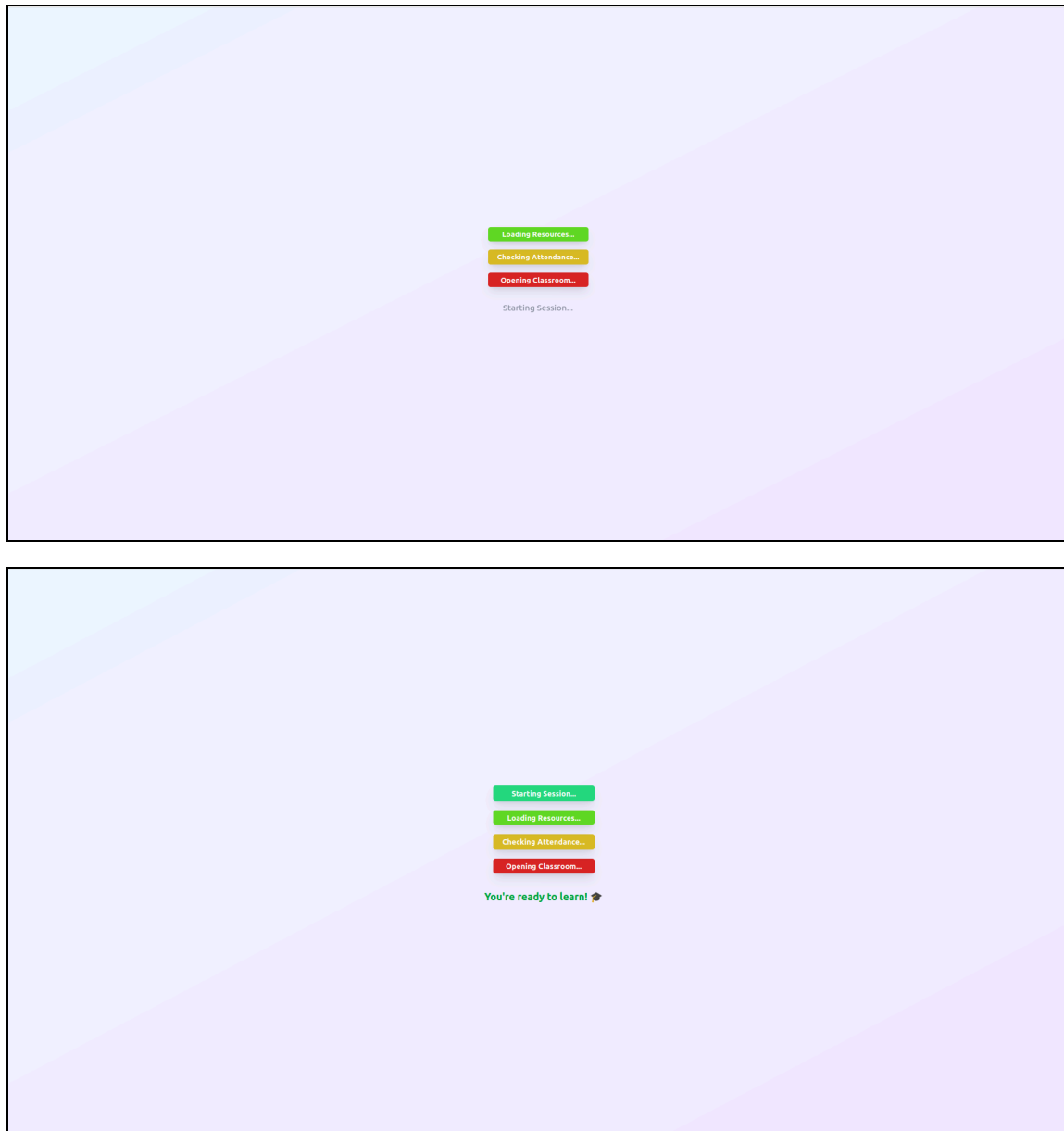


Then, small bars with different colors on a light background appear to stack with changing text at the bottom, like : ***`Opening Classroom`***, ***`Checking attendance`***, ***`Loading Resources`***,

`**Starting session**`, and finally `You're ready to learn`. These changing text with stacking visuals induce a sense of faster loading by keeping the user engaging on the content on the screen.

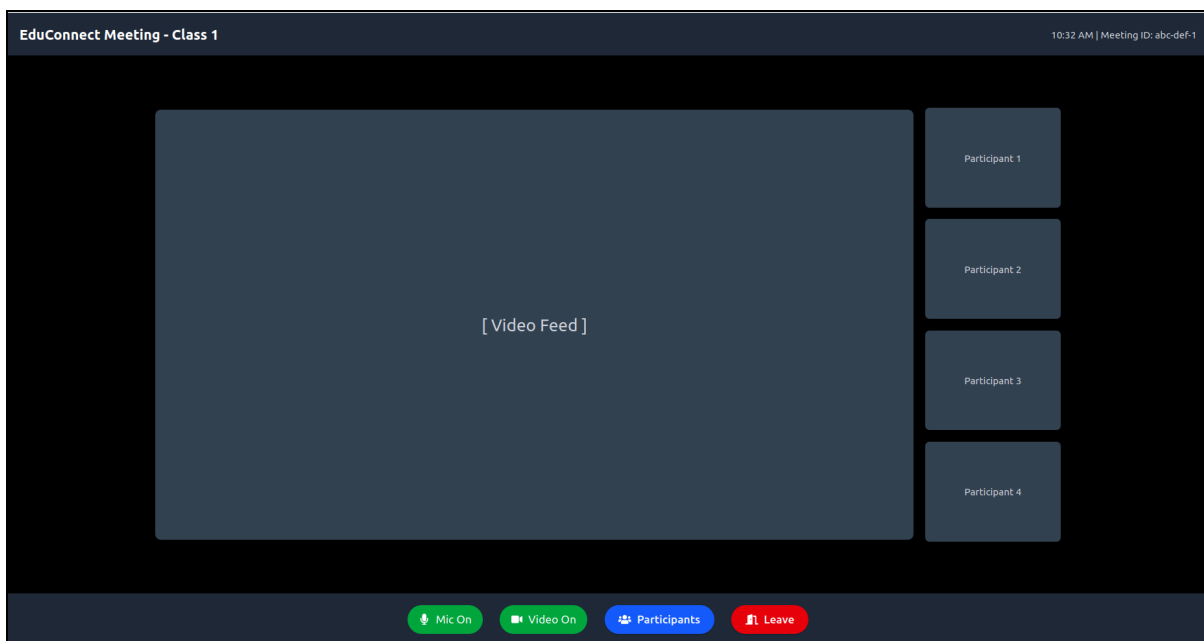






Loading bar 2 : Skeleton loading bar at the Meeting Room initialization. A skeleton screen provides **immediate visual feedback** that the system is processing data. By maintaining the layout of the page, users can anticipate where content will appear and understand the loading process, reducing anxiety around the system being stuck or unresponsive. (Visual Feedback).

Also, a **balance** between items appearing makes the page look aesthetic and pleasing to the eye.



Captcha :

Puzzle Captcha : Puzzle CAPTCHA is an **interactive security feature** that requires users to solve visual puzzles, offering a **more user-friendly** alternative to traditional CAPTCHAs. It enhances

accessibility, reduces cognitive load, and is **harder for bots to bypass**, making it an effective tool for both user experience and security.



Profile Page :

A Simple and Intuitive profile page displaying all the details and settings about the user's account on the application is designed, with the main menu of the profile settings put to the left. This is put to the left following the "F" pattern rule for website design, which says users attention takes a pattern of F shape and horizontally, users are more biased towards the left placed content. This ensures the user doesn't miss out looking and exploring all the features available on the profile page.


Profile page and the Main page are updated with avatar icons for users. Profile images or icons are used to personalize the user experience, creating a sense of identity and ownership. They help users quickly recognize and connect with their accounts, fostering engagement and improving navigation within the software.

← Back to Dashboard

Settings

- Account preferences
- Sign in & security
- Visibility
- Data privacy
- Advertising data
- Notifications

Account preferences

 [Change](#) [Remove](#)

First name

Location

Last name

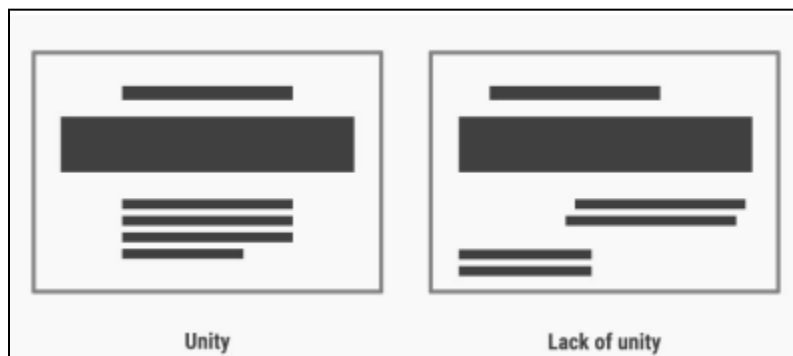
Current position

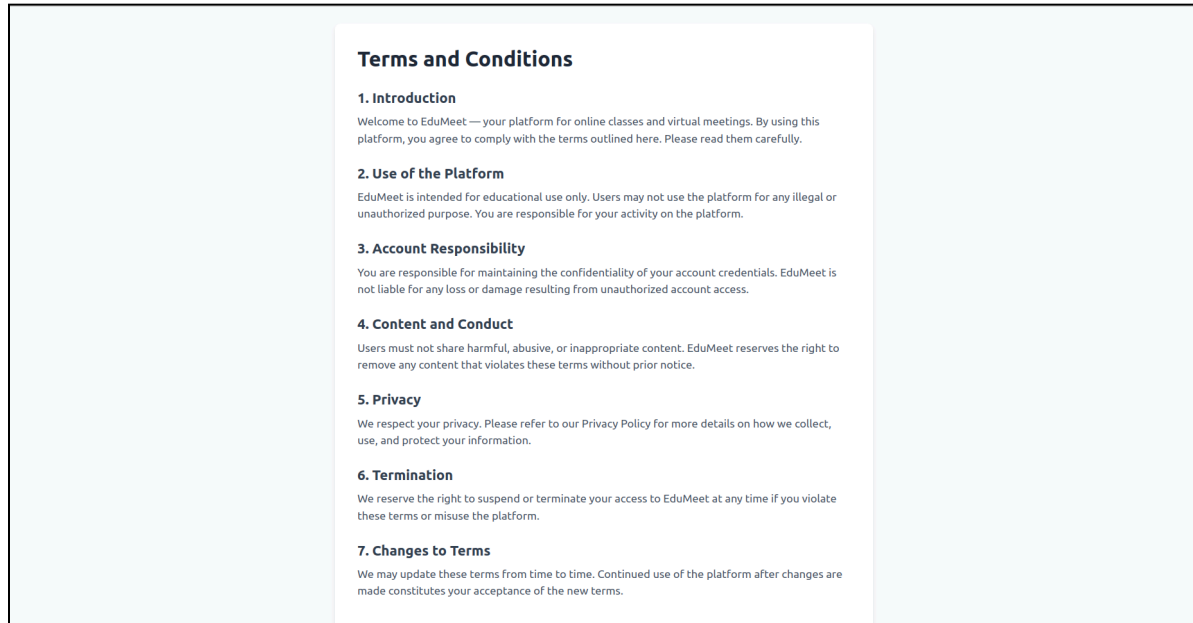
Description

[Cancel](#) [Update](#)

Terms and Conditions Page :

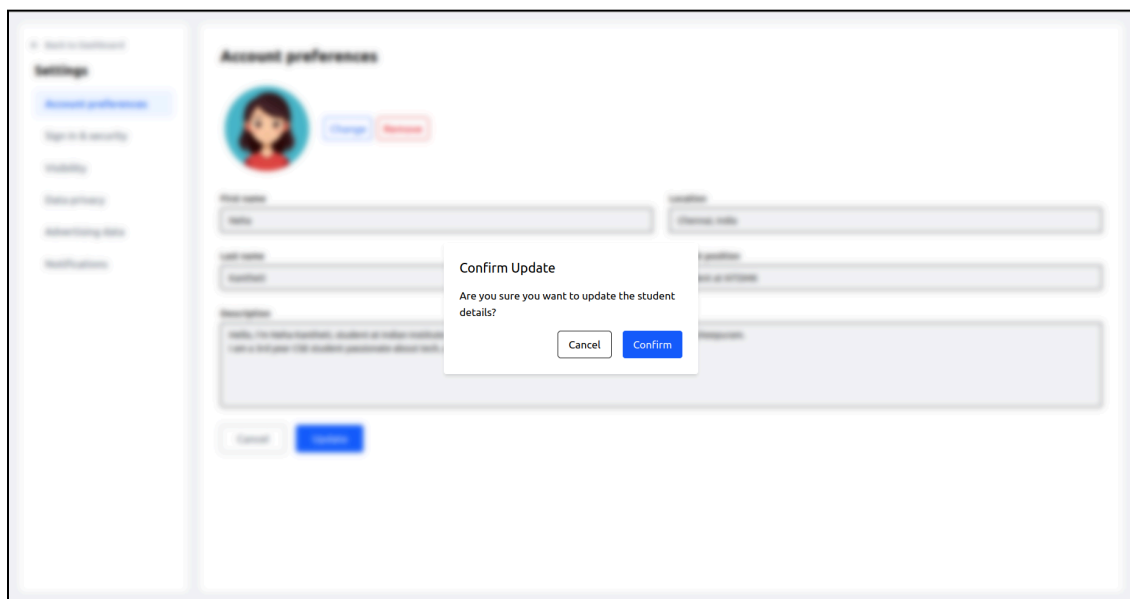
Terms and conditions page is designed following the Unity principle, where the content is completely centered, denoting a sense of balance and clarity. This layout helps users focus on the essential information, providing a harmonious and organized experience while ensuring readability and accessibility.





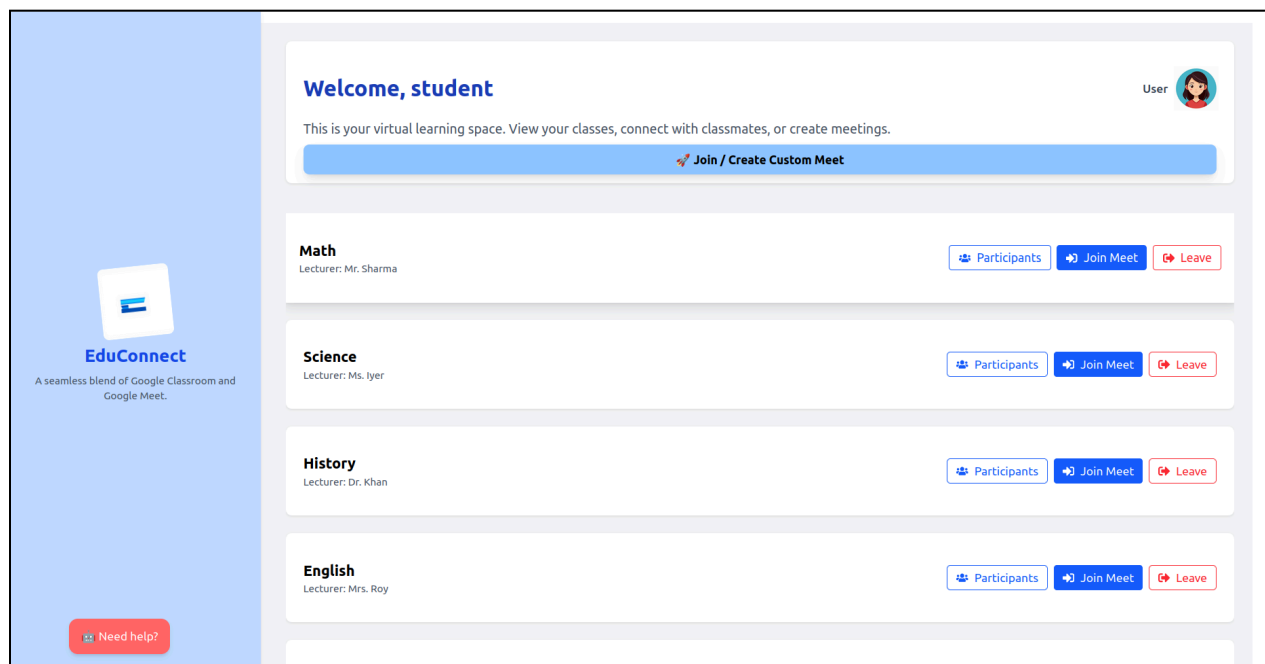
Blur for Overlay for all pop ups :

An overlay on a blurred background enhances focus by visually separating foreground elements from the background. This technique, commonly used in material design and iOS apps, adds depth and clarity, allowing key content to stand out while maintaining a clean and modern aesthetic.

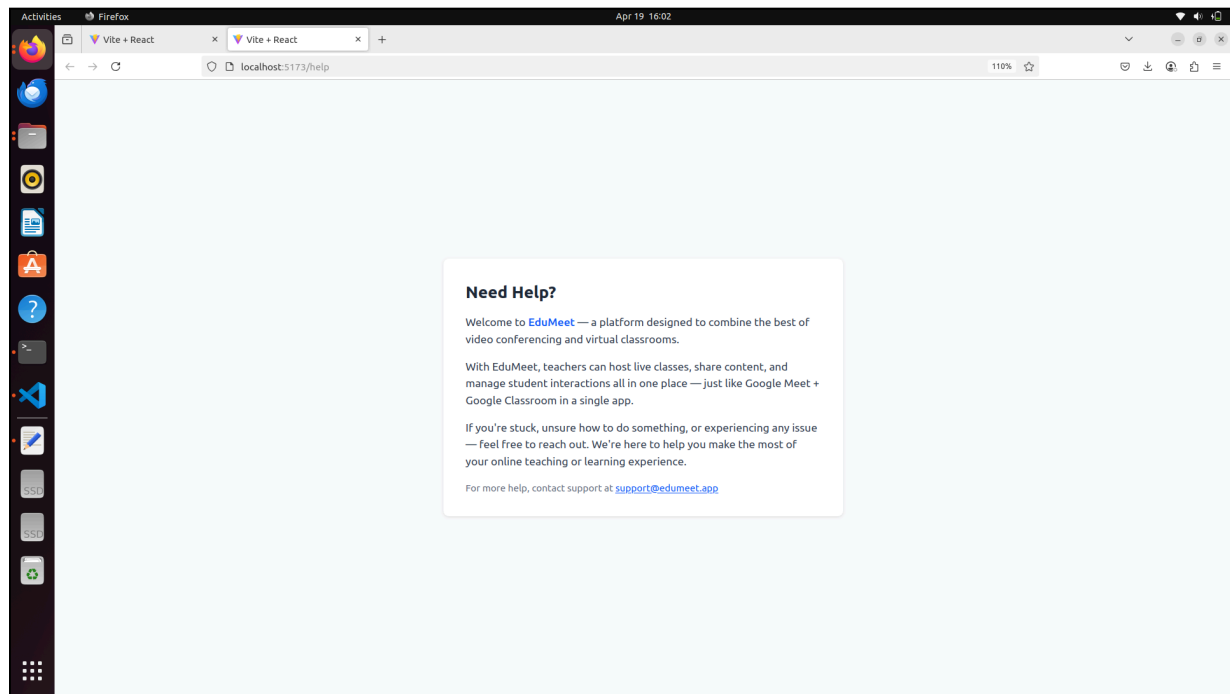


Help Button & Help Page in dashboard (opens in a new tab) :

Help Button is added in the dashboard at the bottom left of the page in a lighter red shade. The red color for the help button likely serves to **draw attention** and **signal urgency**. Red is often associated with important actions or alerts, prompting users to notice the button quickly when they need assistance. This makes it stand out in the UI, ensuring that users can easily find help when needed.



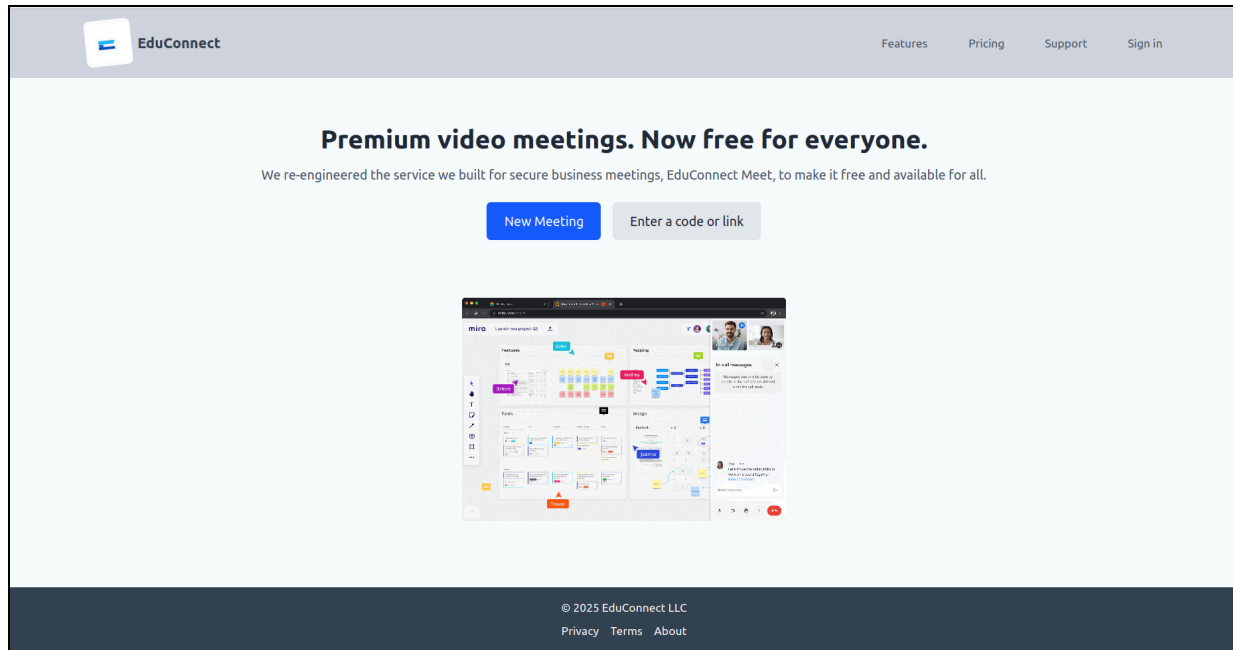
A help page opens in a new tab to ensure that users can easily refer to it without losing their place in the main application. This improves navigation by allowing users to keep the help content open while continuing their tasks, enhancing the overall user experience and reducing frustration.



Landing Page - Less is More (Von Restorff Effect) :

The Von Restorff Effect is clearly demonstrated on the landing page. The "New Meeting" and "Enter a code or link" buttons are highlighted in **distinct colors (blue and gray)**, making them stand out against the minimalist background. This draws the user's attention to these primary actions, ensuring they are the focus.

However, this effect is used **sparingly**—only the essential buttons are emphasized, preventing the page from feeling cluttered or overwhelming. By adhering to the "**less is more**" principle, a clean and focused user interface is maintained, guiding users effortlessly toward the actions they need to take without distraction. Clear differentiation between sections in different colors looks more pleasing to the eye.



Aesthetic logo tilting :

In the design of the webpage, tilting the logo slightly adds a dynamic and visually appealing touch. This subtle shift enhances the aesthetic appeal, breaking the monotony of a static design and creating a more engaging and modern feel, while still maintaining brand recognition.

