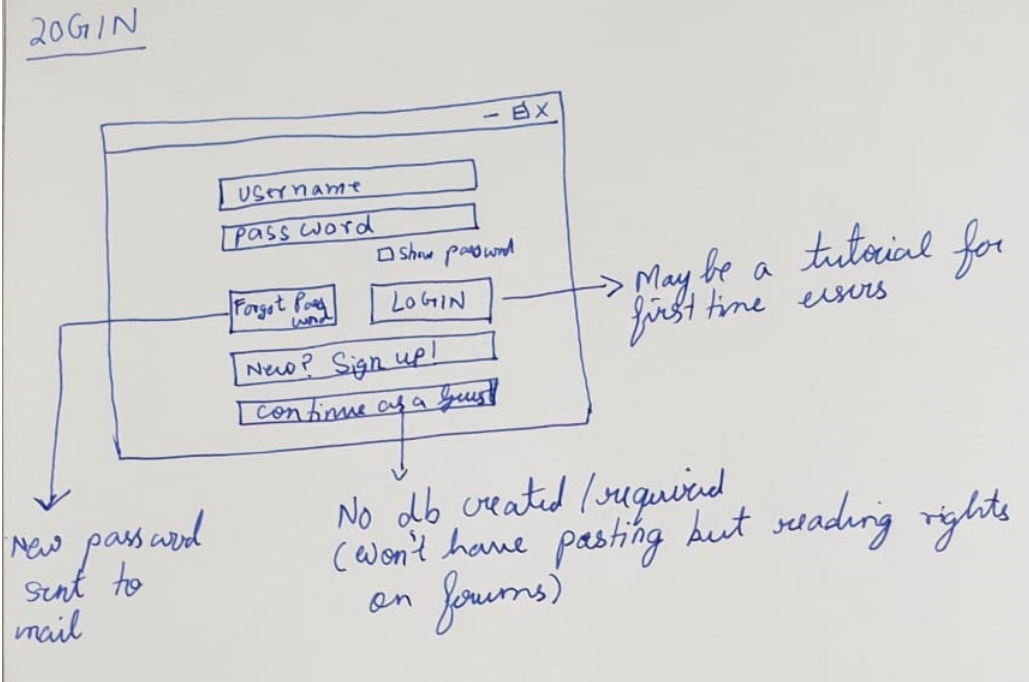
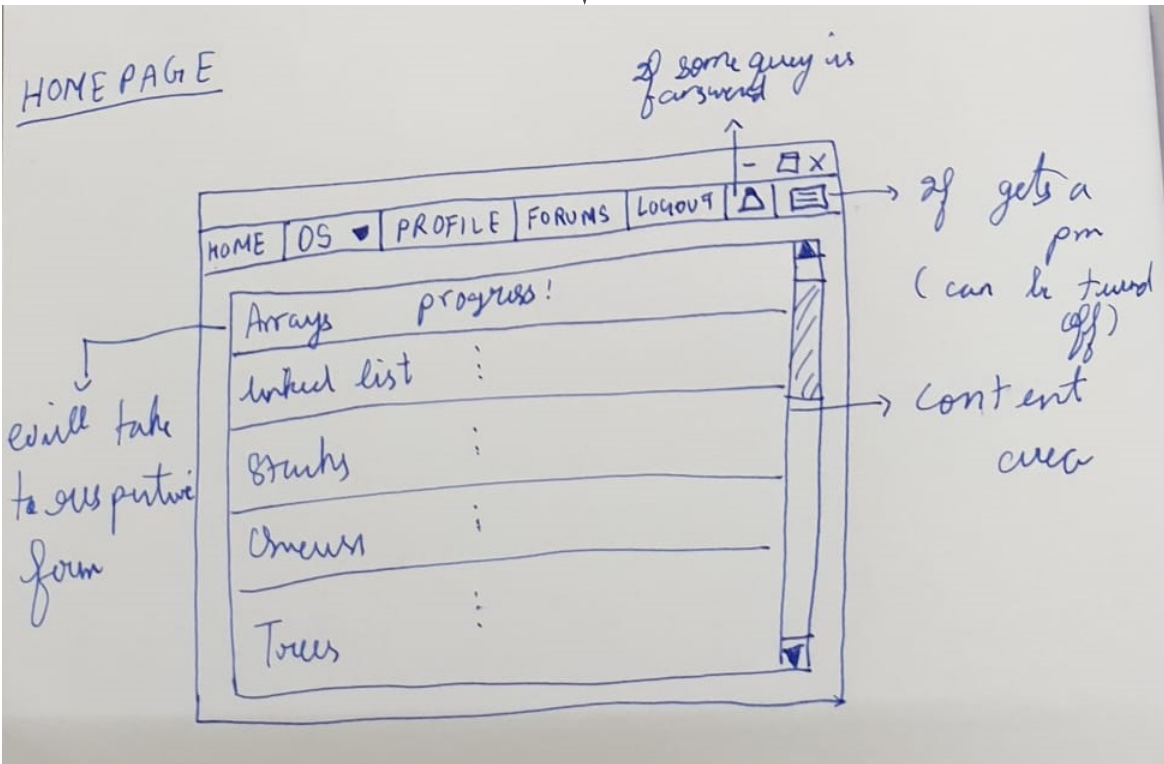


DATA STRUCTURES LEARNING SOFTWARE

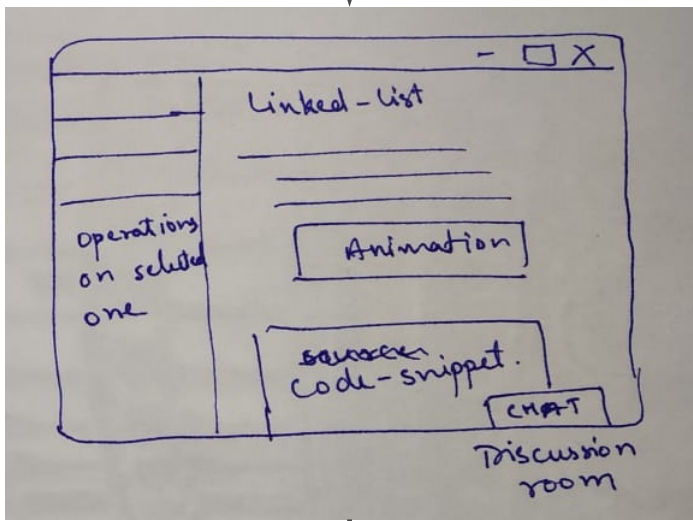


**Login Page:** Here the user can log into his account, continue as guest or signup if he is a new user. The different kind of users will be student, mentor or admin with different functionalities.

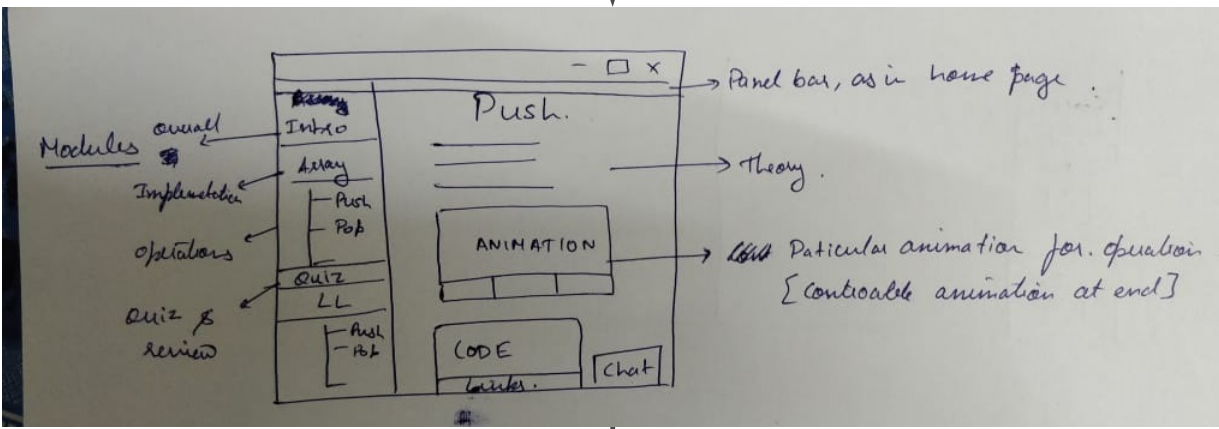


**Home Page:** The user can do various activities here like selecting data structures topics such as linked lists, arrays etc., head to discussion room or edit his profile.

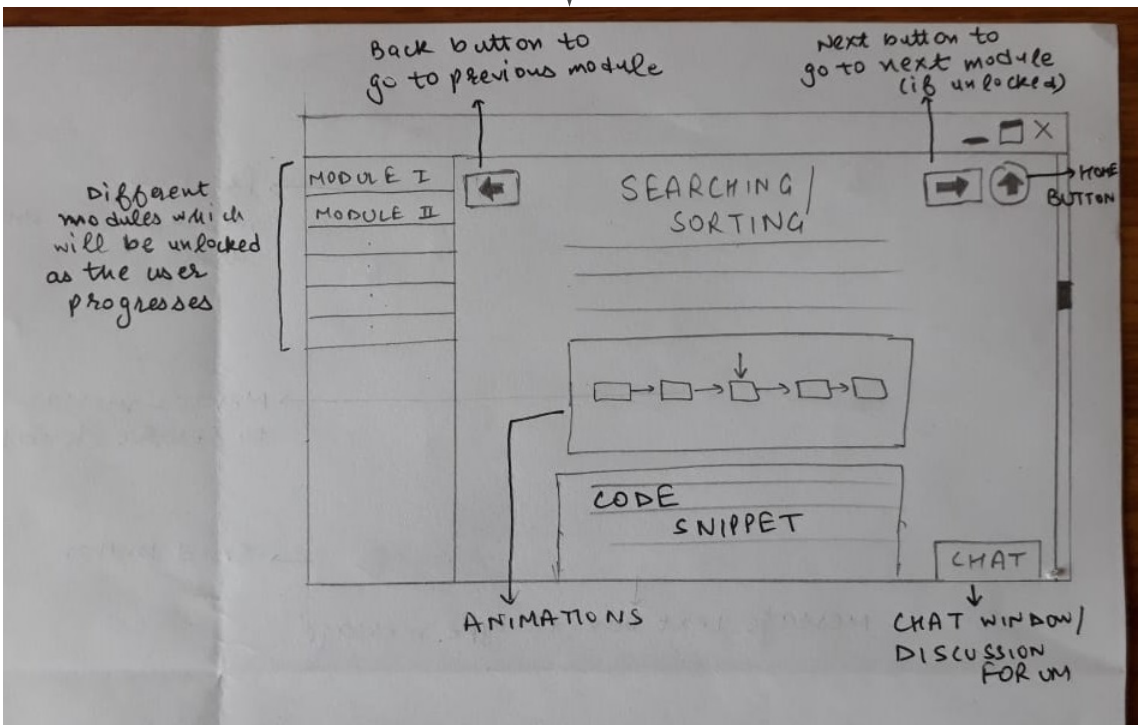
**Various Data Structures Topics:** In each topic, there will be a sequential timeline of modules which will be unlocked as a user progresses in that topic. The module form will have animations for interactive learning, code snippets, navigation buttons (back, next, home) and left side-pane showing the timeline.



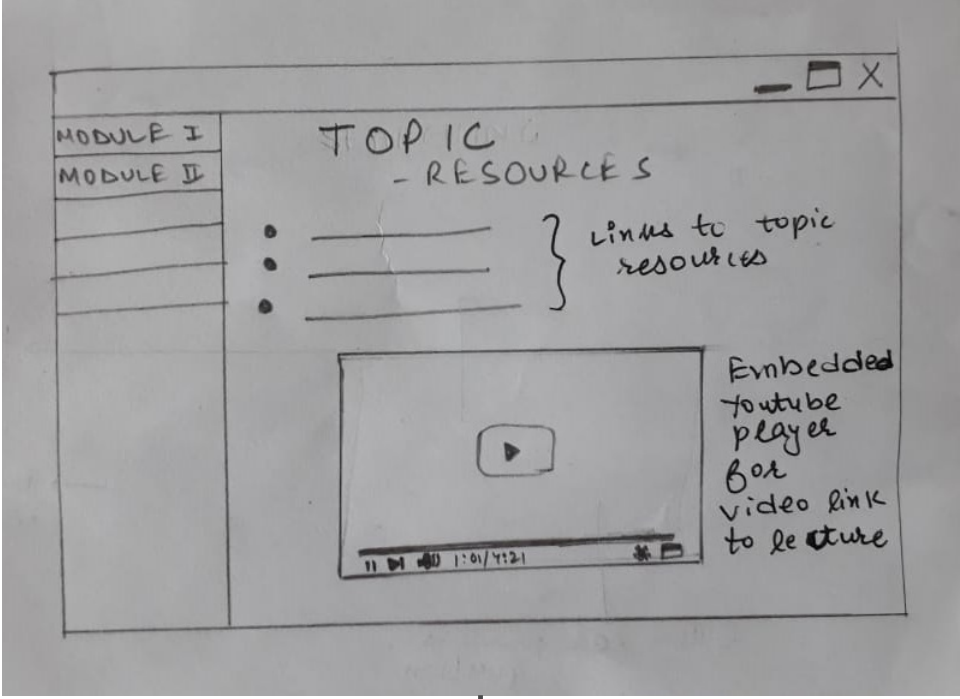
Linked Lists and Arrays



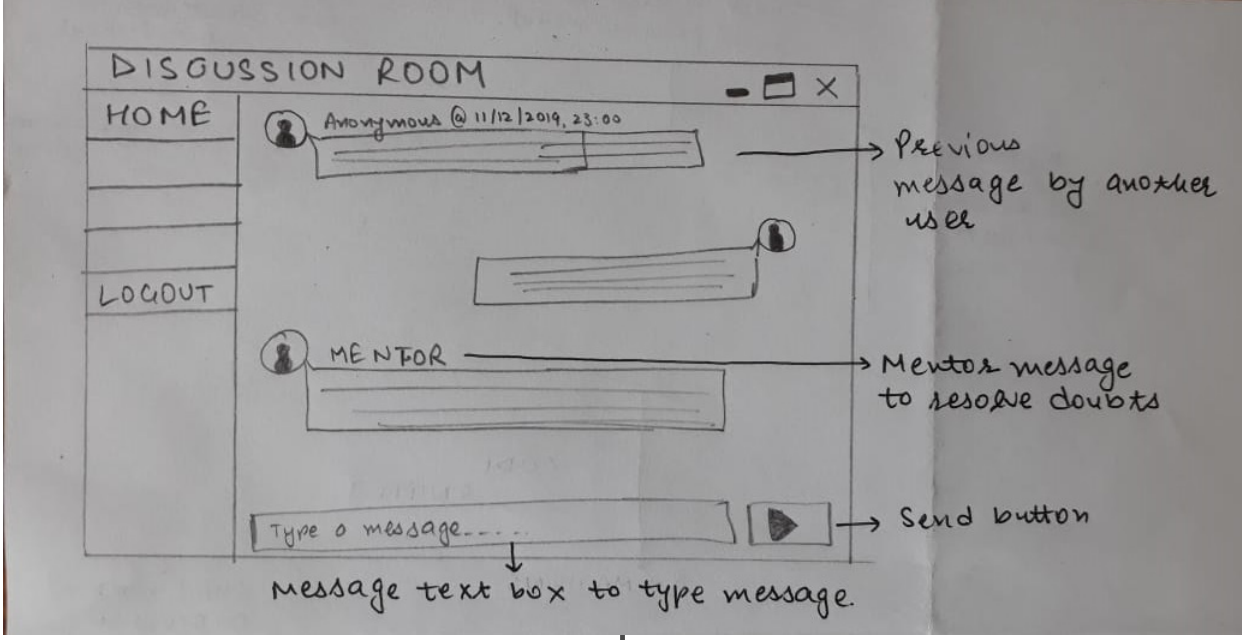
Stacks and Queues



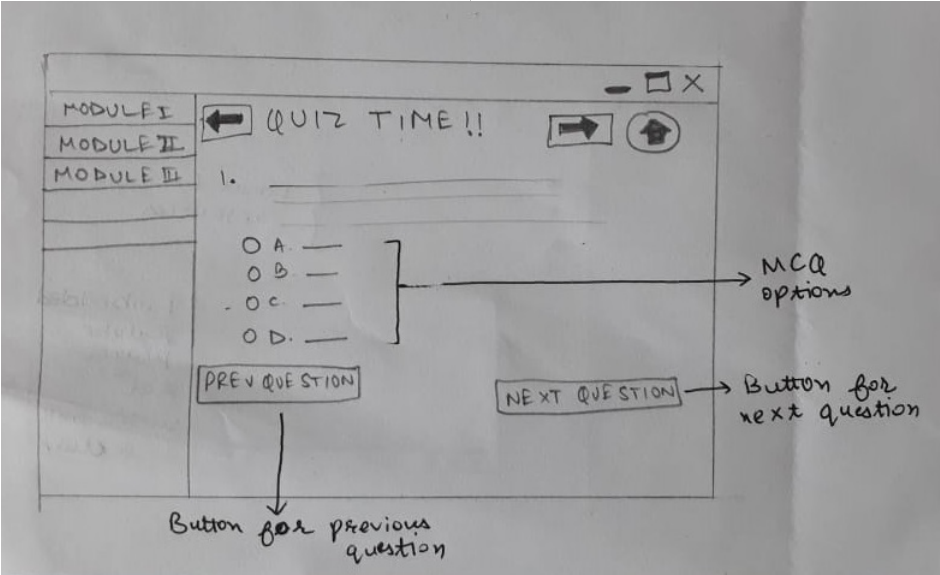
Searching and Sorting



**Resources:** Video lecture and notes links will be provided for detail learning. Youtube player will be embedded so that the user can watch the video in the comfort of staying in the program.



**Discussion Room / Chat Room :** Here the user can chat to different users or resolve his doubts with the help of mentors.



**Quiz time:** The user can test his gained knowledge of different data structures topics with the help of a quiz having randomly selected pool of questions from the database.