

StudyBuddy

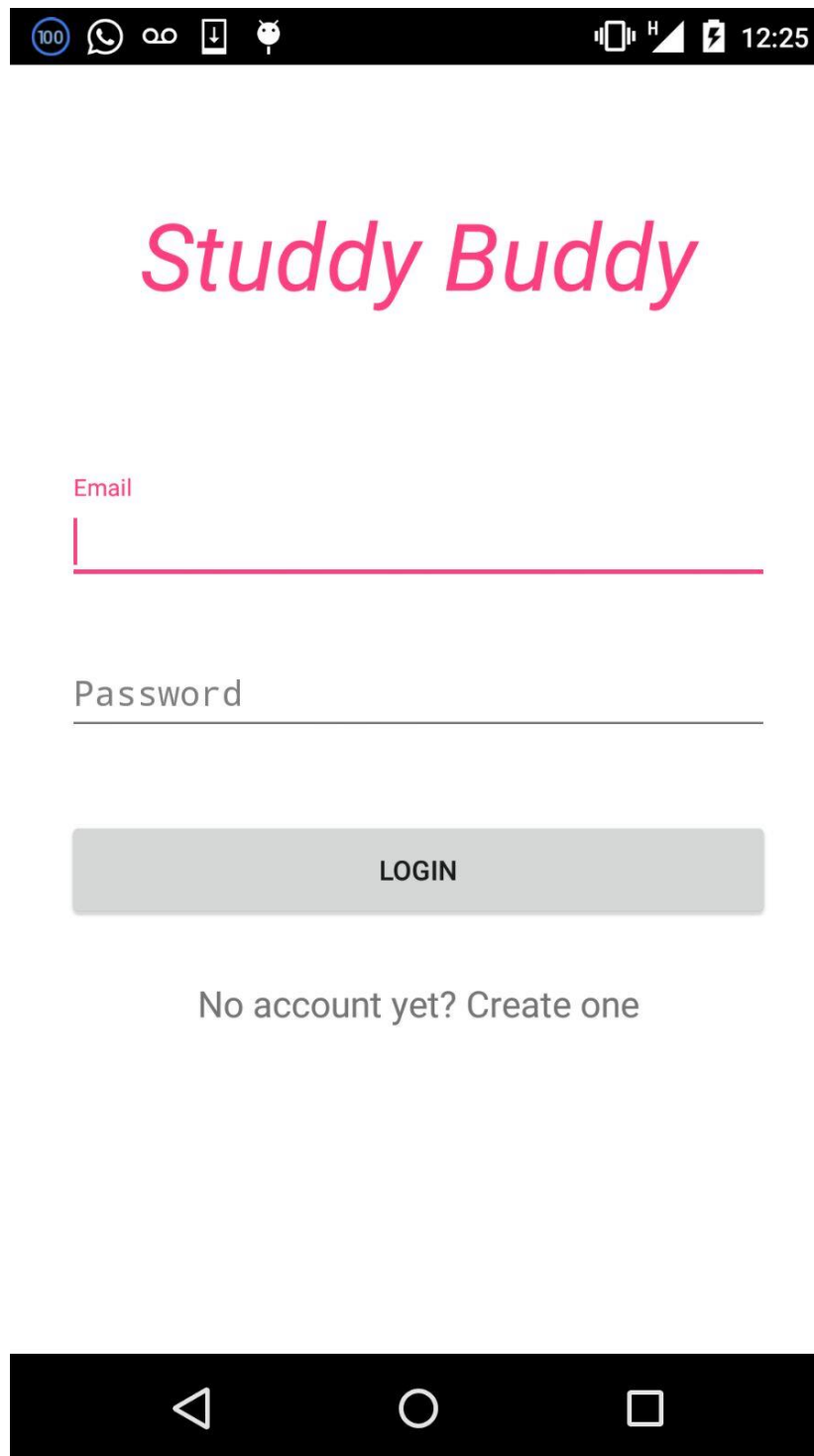
1. Current status of the project

	Tasks	Status (percentage of finished work)	Notes
Tasks planned to accomplish by midterm	Design the application Home screen, Login/Signup screen, Buttons to add, delete group, List view button, Filter, Search UI screen.	Done	
	Integrate Google Maps to display the current user location and active study groups in vicinity	Done	
	Design database schema, set up the framework for backend API development with deployment on AWS	Done	
	API to add/delete/search/update User and User Info.	Done	
	API to create, delete and search a group.	Done	
Tasks accomplished ahead	Mobile Interface for searching groups.	Done	
	Interface to display group information with an option to join that group.	Done	
Tasks to be finished by the end of the term	Layout to display and filter groups based on interests	Pending	
	Design and implement an interface to create new study groups	Done	
	API to search and filter active groups based on spatial and non-spatial features.	Pending	
	Feature to automatically delete a group from the database post its expiration.	Pending	

2. Screenshots of the android UI

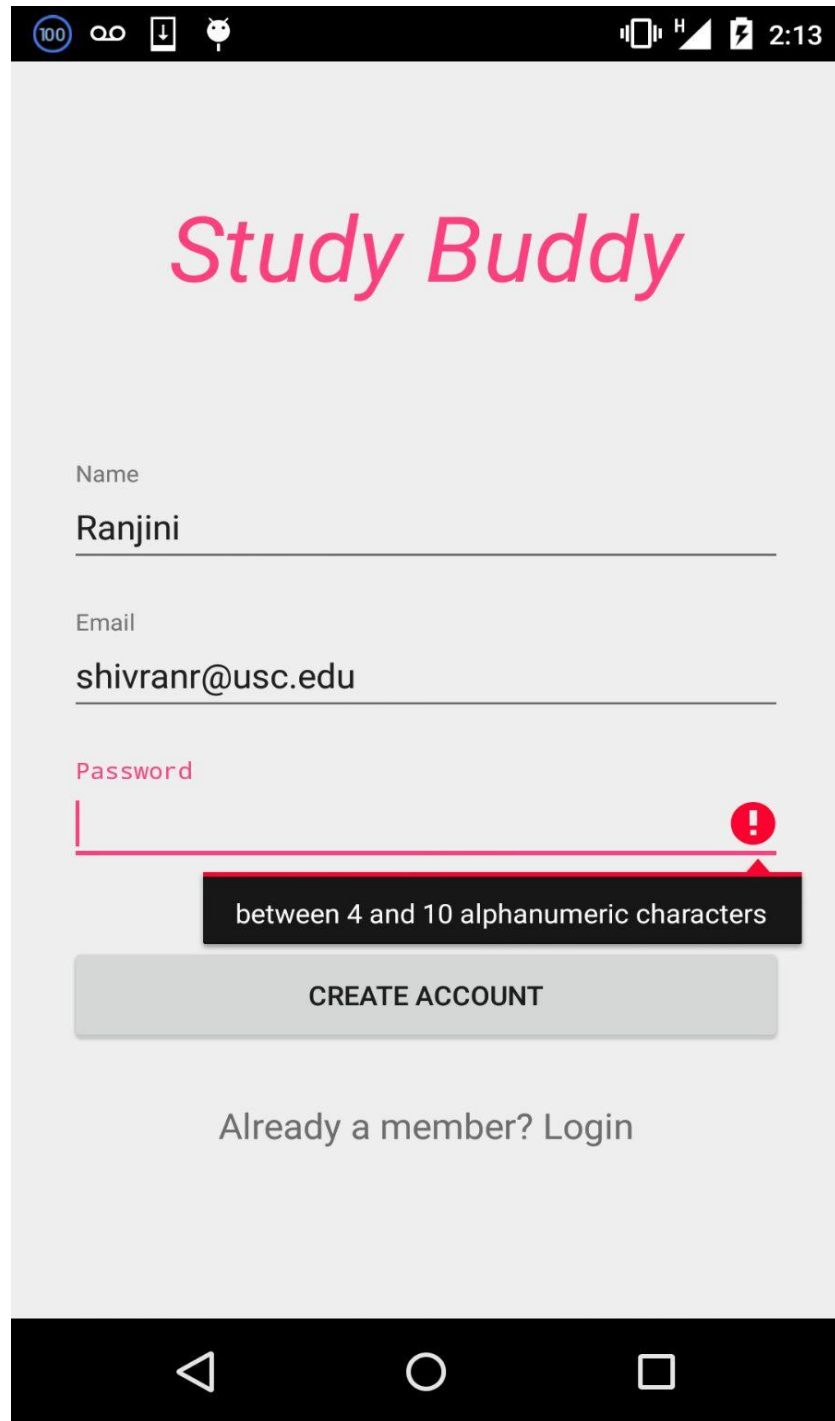


Fig1. Authentication Feature



The image shows a mobile application login screen. At the top is a black status bar with various icons (100% battery, WhatsApp, Telegram, a download icon, an Android robot, signal strength, and the time 12:25). Below the status bar, the app's name "Studdy Buddy" is displayed in a large, pink, cursive font. Underneath the title, there are two input fields: the first is labeled "Email" in pink text and has a pink underline; the second is labeled "Password" in grey text and has a grey underline. Below these fields is a grey rectangular button with the word "LOGIN" in black capital letters. Under the button, the text "No account yet? Create one" is displayed in a grey font. At the very bottom of the screen is a black navigation bar with three white icons: a back arrow, a circle, and a square.

Fig2. Login Screen



The screenshot shows the 'Study Buddy' sign-up screen on an Android device. The title 'Study Buddy' is displayed in a large, pink, cursive font. Below the title, there are three input fields: 'Name' with the value 'Ranjini', 'Email' with the value 'shivranr@usc.edu', and 'Password'. The password field is currently empty and has a red exclamation mark icon at the end, indicating a validation error. A black tooltip box points to the password field with the text 'between 4 and 10 alphanumeric characters'. Below the input fields is a grey button labeled 'CREATE ACCOUNT'. At the bottom of the screen, there is a link that says 'Already a member? Login'. The Android status bar at the top shows a battery level of 100%, signal strength, and the time 2:13. The bottom navigation bar shows the standard Android navigation icons.

Study Buddy

Name
Ranjini

Email
shivranr@usc.edu

Password

between 4 and 10 alphanumeric characters

CREATE ACCOUNT

Already a member? Login

Fig3. Sign Up Screen

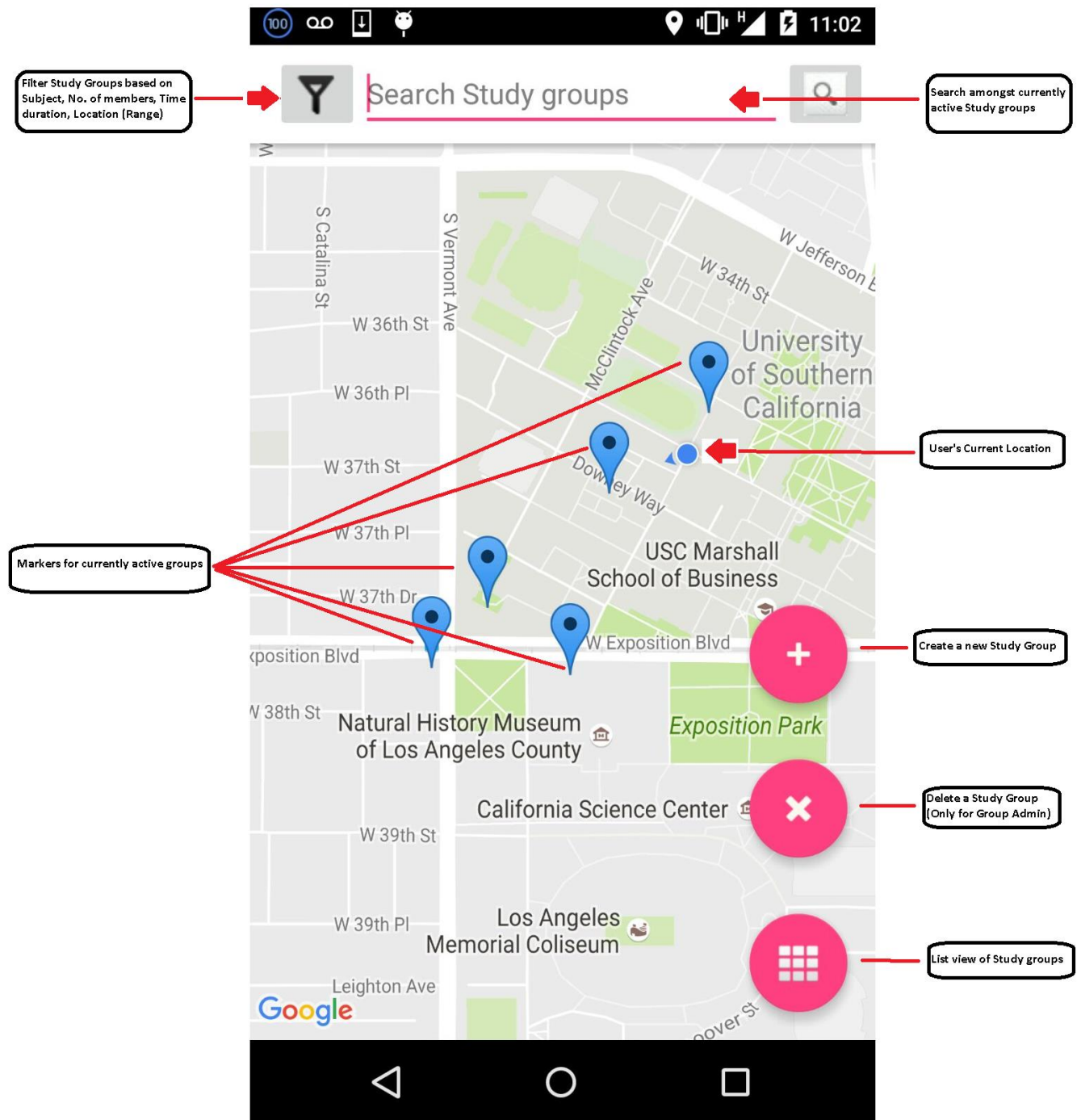


Fig 4. Screen Layout with description of basic features

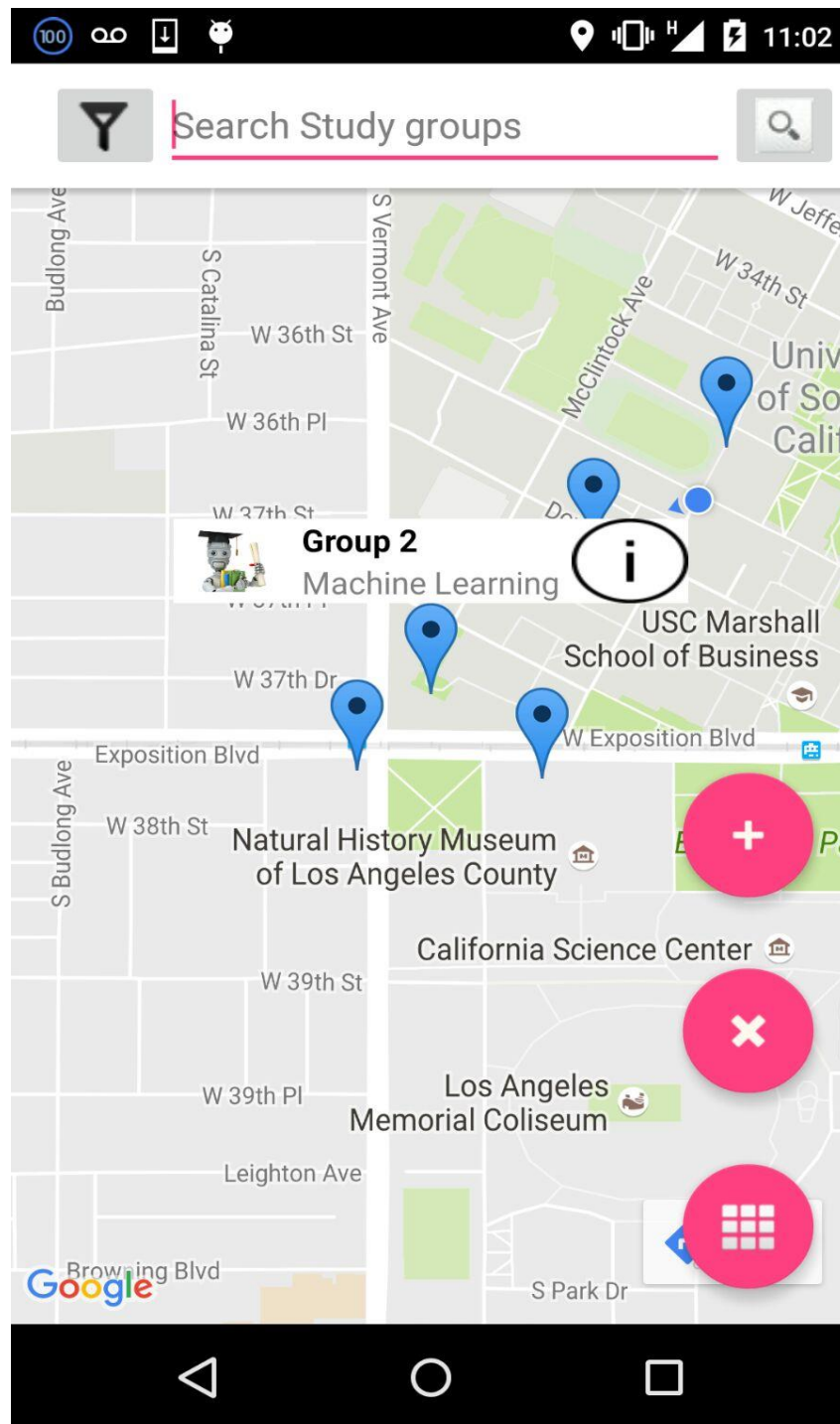


Fig 5. Group Marker Information Window

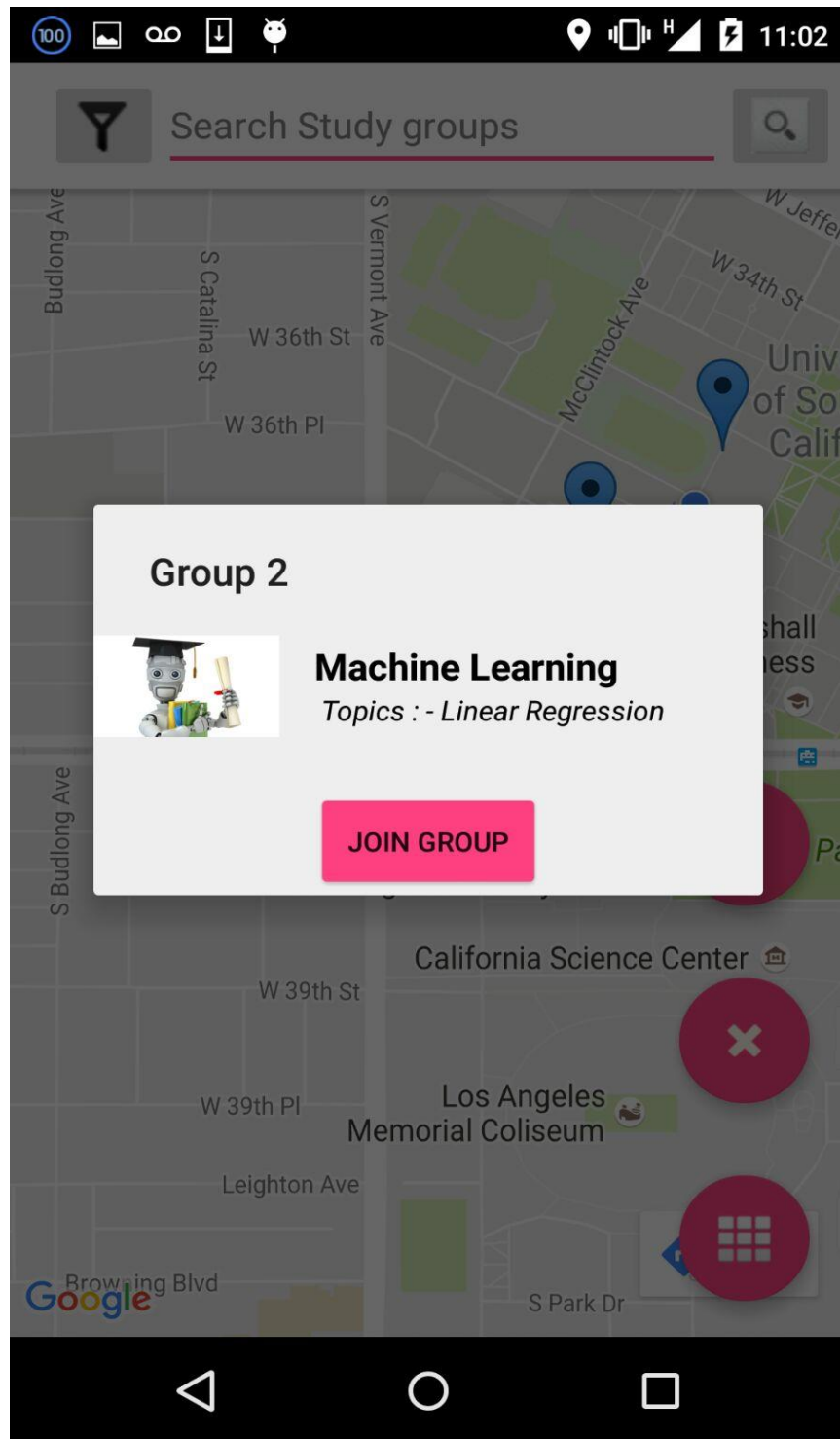
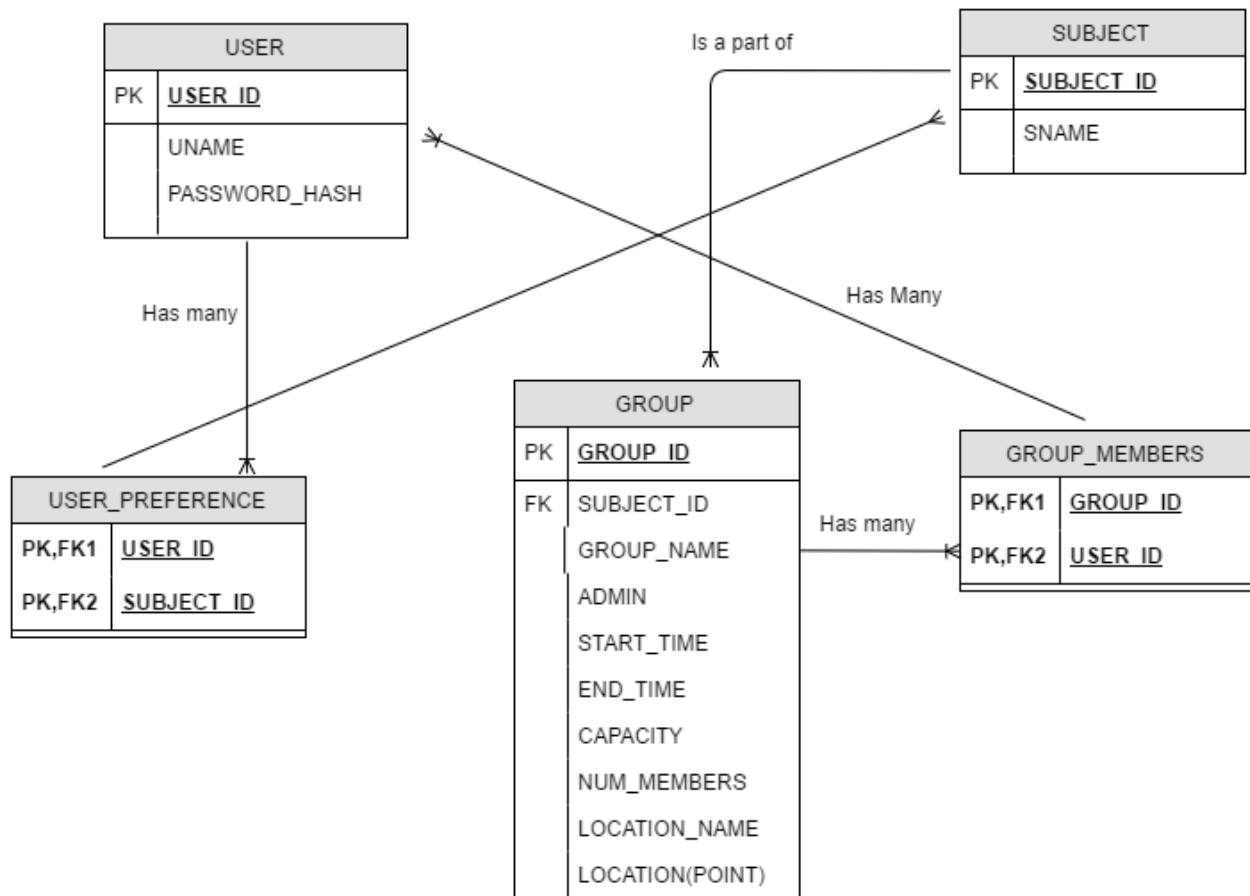


Fig 6. Detailed Group Information and join feature



Fig 7. List View of Groups

3. DB schema



3.1 USER - Contains all the user profile information.

3.2 GROUP – Contains all the information about each study group.

3.3 SUBJECT – Contains information of the subjects for the study groups.

3.4 USER_PREFERENCE – This table has the preference of subjects that each user is interested in.

3.5 GROUP_MEMBERS – This tables keeps a mapping between the groups and the various users in each group.