

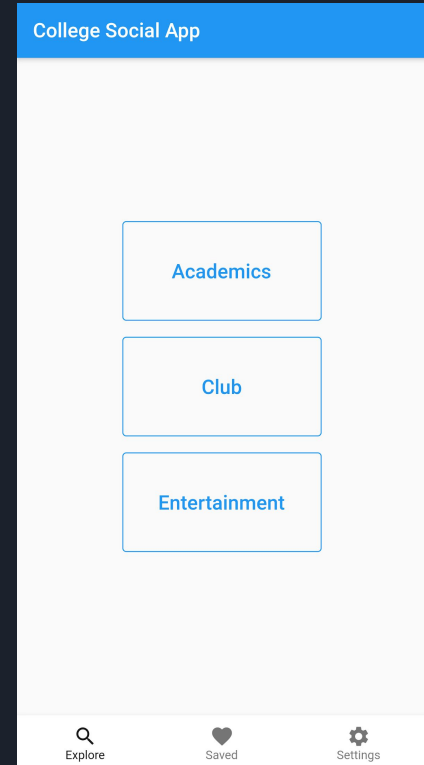


# College Social App

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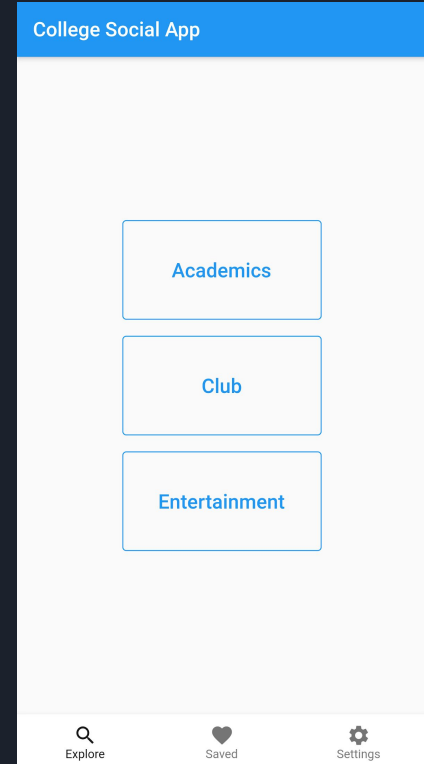
# CONCEPT

- Phone application for University students.
- Facilitates online social gatherings via chat rooms with real-time messaging.
- Connects students to correct school via email domain.
- Chat rooms for academics, clubs, or entertainment.



# CONCEPT

- Three broad topics to help navigate users.
- Academics
  - Rooms for specific classes
- Club
  - Rooms for Clubs
- Entertainment
  - Rooms for topics in entertainment



# FUNCTIONAL REQUIREMENTS

- Login
  - Login using student email and password
- Sign-Up
  - Sign up using student email, password & username

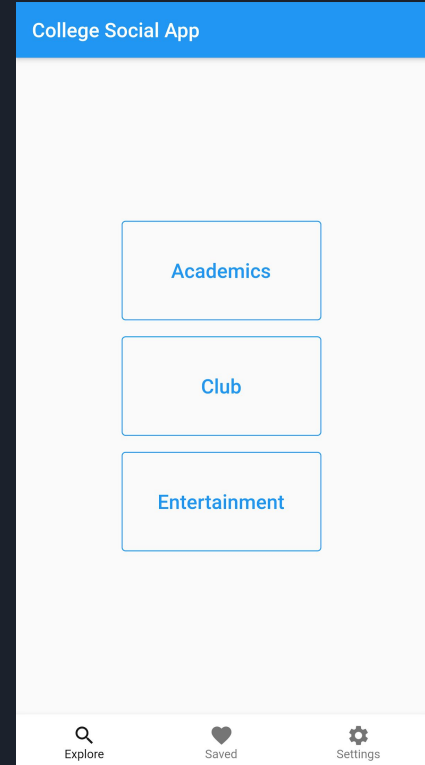
The image displays two side-by-side mobile app screens for the 'College Social App'. Both screens have a dark background and a blue header bar with the app name.

**Left Screen (Login):** Features input fields for 'email' and 'password'. Below the password field is a 'Forgot Password?' link. At the bottom is a blue 'Sign In' button and a link that says 'Don't have account? Register now'.

**Right Screen (Sign-Up):** Features input fields for 'username', 'email', and 'password'. Below the password field is a 'Forgot Password?' link. At the bottom is a blue 'Sign Up' button and a link that says 'Already have account? Sign In'.

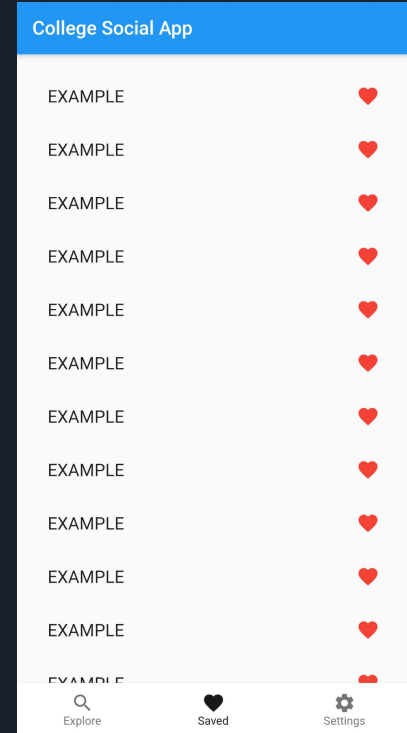
# FUNCTIONAL REQUIREMENTS

- Select Topic
  - Choose one of three main chat categories
- Saved Rooms
  - View all saved chat rooms that the user has previously saved



# FUNCTIONAL REQUIREMENTS

- Room Selection
  - Search, select, and favorite specific chat rooms within the selected section
- Chat room
  - View and send messages
- Settings
  - Change user information

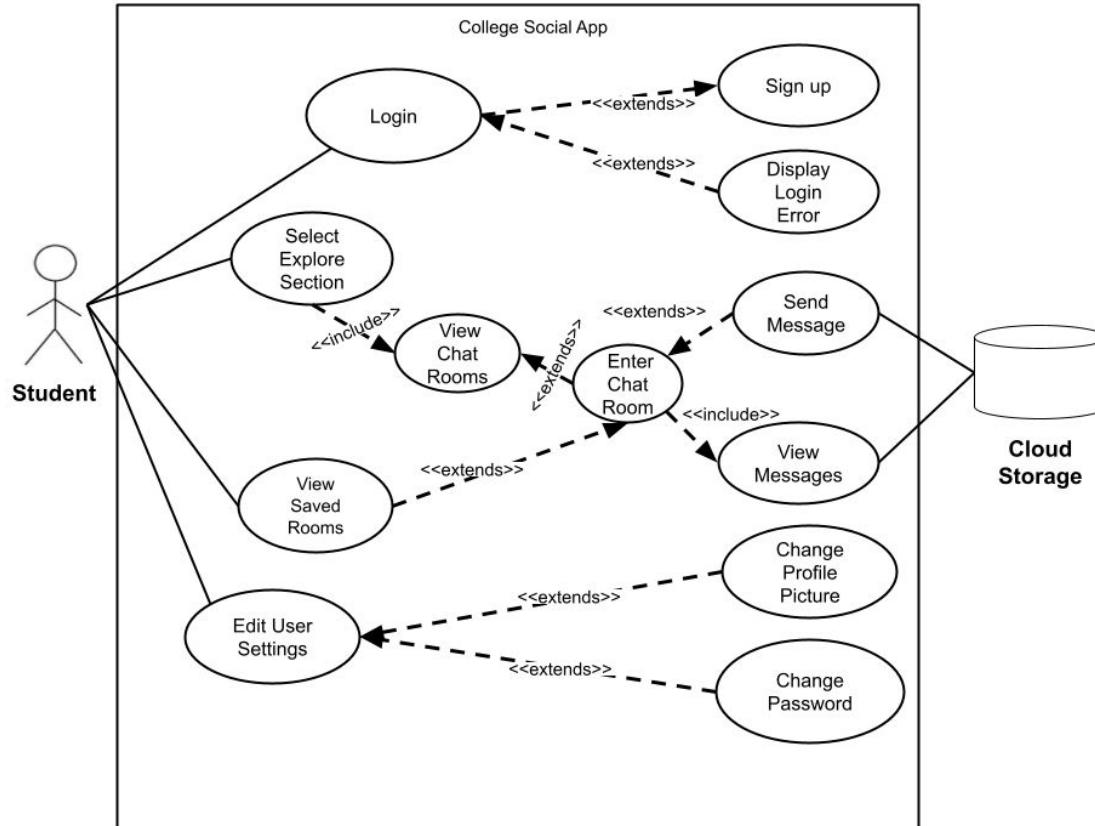




# NON-FUNCTIONAL REQUIREMENTS

- Message Send Time
  - Messages sent and received within a reasonable amount of time, i.e. 5 seconds
- Chat Room Load Time
  - All messages should be loaded within a reasonable amount of time, i.e. 5-10 seconds
- Password Recovery
  - Password recovery email should be sent to user if needed

# USE CASES AND USE CASE DIAGRAM





# System Constraints

- Tool Constraint
  - Firebase as Backend platform
- Language Constraint
  - Dart
- Platform Constraint
  - Android & iOS Compatibility
- Hardware Constraint
  - Firebase Cloud Storage



Dart



Firebase

+



Flutter

# System Constraints



- Deployment Constraints
  - University Authorization
  - Google Play & Apple App Store Policies
- Miscellaneous Constraint
  - User Restrictions



Questions?