Social Media Application

The goal of this project is to design & implement location and topic based social media application for mobile platform using flutter.

Blue requirements are considered a bonus.

You are allowed to use Firebase as a backend service.

Students are expected to fulfill the following requirements of the customer:

- Users can create an account. Each user has a unique username and they can set a profile picture.
  - In addition, users can delete their account or deactivate their accounts for a while.
  - Users must be able to change their passwords, bio or profile picture.
  - Users can make their profile public or private (protected).
  - Users must be able to signup/login using Firebase Authentication tools:
    - E-mail & Password
    - Gmail
    - Facebook
- Users can create, edit and delete posts. Each post should contain the following elements:
  - Text
  - Image / Embedded Video
  - Location (geotagging, using a mapping service is strongly recommended e.g. Google Maps etc.)
  - Topics (like # in Twitter)
- Users can create connections with other users.
  - If someone tries to view a private profile, posts must be hidden
  - If someone tries to connect to a private account a request must be sent.
- Users can subscribe to a topic **and location.** For example, if there is a topic called #NBAFINALS and a user is subscribed to this topic, then the user can see posts about this topic in the Feeds Page. **This is also held for location.**

- Users can see the posts of his/her connections and subscribed topics/locations in the Feeds Page.
- Users can view their basic info, connections, subscribed topics and previously created posts in the Profile Page.
  - Users can change their username and profile picture from this page.
  - Users can change their profile type from here (public/private).
  - Users can remove connections and unsubscribe from a topic/location.
- Profile page for each user must contain separate tabs for:
  - Posts
  - **Locations**
  - **Media (Photo, Video)**
- From the profile page users must be able to view:
  - Connection list (followers, followed)
  - Bio
  - Zoomed version of profile picture
- Users can interact with their connections' posts. They can:
  - Post comments,
  - Like or dislike,
  - Re-share,
  - **Bookmark these posts.**
- Users can send messages to each other. Text messages will be rolled out in the first version.
- Users will receive Push Notifications.
  - When User X follows or sends a message to User Y, User Y should receive notifications.
  - Also when User X interacts (comment, like, reshare) with User Y's post, User Y should also receive notifications.
- Users can see all of their notifications in a Notifications Page.
- Users can report other users or posts. **When User reports anything, an email should be sent to the Admin for review.**
- Users can search other users and posts based on:
  - Username
  - **Location**

- ○ Post content
- ○ **Topic (if implemented)**
- Users will be recommended to other users for a new potential connection. Recommendation can be done based on mutual friends, subscribed topics and locations.