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Preliminary Proposal Document for Applied Project And Minor Dissertation

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Working Project Title

The name of the App will be “City Social”.

Group Members

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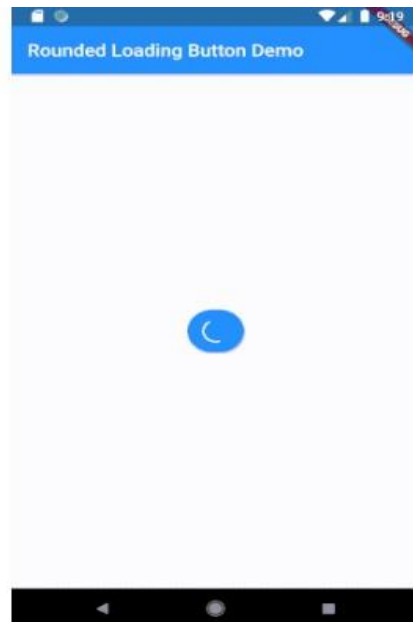
Context

The idea is to develop a Social Media Mobile Application similar to Instagram which will be a photo sharing Social networking service with all the features listed below.



Objectives

- Sign in Splash Page.
- Sign in using google.
- Use of loading widgets.



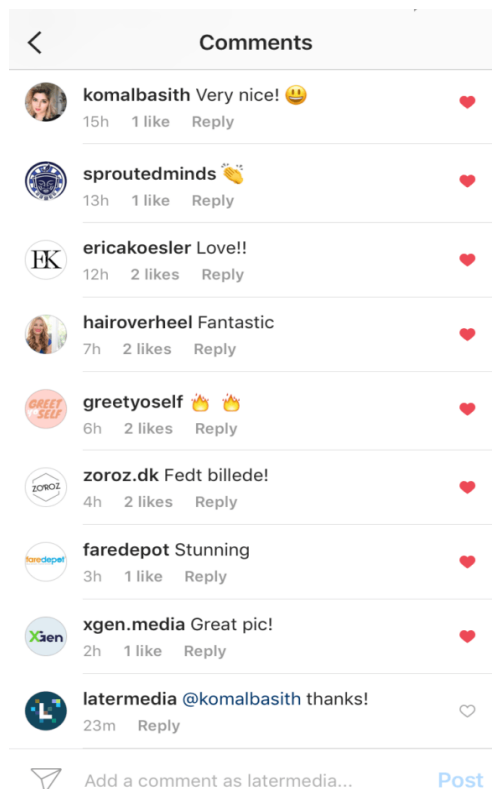
- Search user functionality.
- Upload post photo using camera or gallery.
- Use geolocation to get the current location for photo captions.
- User profile.
- Display post count, followers count, and posts on the profile page.



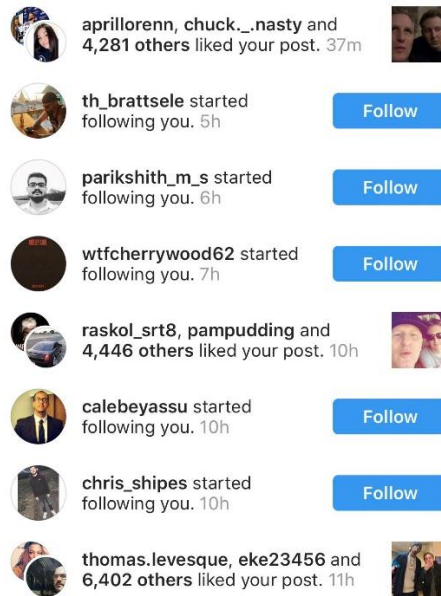
- Display post as grid or list option on the profile page.
- Like post or dislike functionality with heart animation.



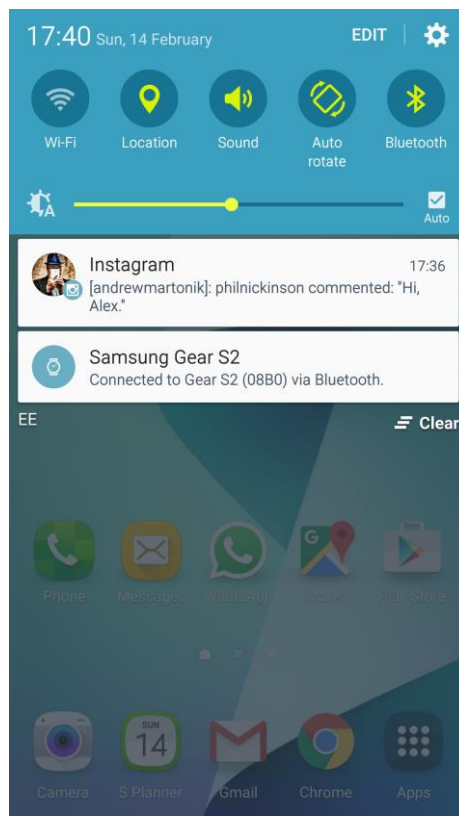
- Realtime messaging with comments.



- Activity feed notifications.



- Following or unfollowing user functionality.
- Displaying followed user posts on the timeline and deleting them upon unfollowing.
- Suggest users to follow (i.e. new users that signup).
- Live Alerts and Push notifications.



- Fingerprint Authentication.
- Publishing App to Play store

Technologies to be used

- Flutter Framework
- Dart Language
- Firebase for Authentication and Database.
- Visual Studio Code as Code Editor.

Learning Outcomes

- Development of social media apps.
- Learning about Flutter.
- Learning Dart Language.
- Learning Firebase.
- Learning to publish an to playstore.

All the Above Technologies are new to us.

Constraints

Testing of IOS version of App will require Mac which might not be feasible for us to rent or buy.