Mobile Development Task

You are requested to build a location based notes application.
The application should have the following screens:

- Login.
- Signup.
- Main screen:
  - Logout option.
  - Welcome message to the user.
  - Notes view, will contain the following view modes:
    - Note List: All notes sorted by date of creation.
    - Note Map: All notes as pins on a map (you can use any map service you want).

    * Clicking on a note in each of the screens above will direct the user to the Note screen for view/edit.

    * if the user doesn't have notes yet indicate this with an appropriate UI.
  - Bottom navigation menu will contain: List mode, Map mode.
  - Floating action button for creating a new note (via note screen).
- Note screen (for new notes or editing existing notes) with the following abilities:
  - Note date field (on default the current date).
  - Note title textbox.
  - Note body textbox.
  - Save button.
  - Delete button.

  * When saving, the user location should be attached to the new note created.

Bonus: Add the ability to attach an image from camera/gallery to a note.

Additional Information:

- Data can be saved as any kind of storage you would like files, local/remote DB, etc.
- For authentication (login/signup) it is mandatory to use Firebase SDK.
- After login the user should be logged-in in the next time he opens the application.
- The stored data should be updated in any change.
- You can write in any mobile runnable framework (Android, iOS, React Native, Flutter, etc.).
- Please try to submit a clean project i.e remove unused code, proper indentation, etc.
- When submitting please send:
  - An installable application.
  - Link to git/Full project code
  - List of known bugs
  - Optional - a document on the app you built with information about the tech and practices used and the different implementation options you considered.

☆ ☆ ☆ Good luck ☆ ☆ ☆