Open-Ended Task:

**Tasks 1: My-Gram App (20 marks)**

We have heard about Instagram a very famous app that lets you share stories, picture posts and videos with the people who follow you or with the entire public depending upon your privacy settings. Do not worry we are not implementing the replica of Instagram but an app of similar nature on a smaller scale and for personal use only.

Instagram is for those people who want to share their memories with others, but I want you to create an app that will let people record their photographic memories with some text to express their emotions and other information like mood, date/time, and location where the picture was taken. In simple words a photographic diary which can only be accessed by the person to whom the memory belongs to.

So, what do you need in this application:

* User Account Module:
  + Register
  + Login
  + Forgot Password and Change Password.
  + Change Profile Information Like name or description.
* Diary Module:
  + Post an entry to the diary
    - Select a picture from device gallery only 1 picture.
    - Select some text
    - Select an emotion
    - Date/ Time (by default present device time backdated entry possible)
    - Post the entry
  + View the entries:
    - A page showing the entries grouped by the date selected on the post entry in the form of a grid view or custom list view design your own style.
    - By clicking the on the post picture icon, the entire post details should be shown in the form of a fragment or another activity.
* Use Firebase Authentication for authenticating and registering the account and use Firestore Database for storing the pics and other related information.
* You are provided with the flexibility to design your UI depending on your own taste but try to be innovative and creative while designing the UI you may use any other elements that you find fit for implementing this app.